



ANNUAL REPORT 2017-18



KRISHI VIGYAN KENDRA JAJPUR

**Orissa University of Agriculture and Technology,
Bhubaneswar**

PROFORMA FOR ANNUAL REPORT 2017-18 (April 2017 to March 2018)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Jajpur PO: Barchana, Dist.: Jajpur (Odisha), PIN - 754296	Ph.: 06725-226005		jajpurkvk@yahoo.co.in kvkjajpur.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, Bhubaneswar- 751003	0674-2397362	9937563162	deanextensionouat@yahoo.com deanextension_ouat@rediffmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. (Mrs.) Tilottama Pattnaik	Krishi Vigyan Kendra, Jajpur PO: Barchana Dist.: Jajpur (Odisha),	7504471699	jajpurkvk@yahoo.co.in

1.4. Year of sanction of KVK: June, 2002

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.(Mrs) Tilottama Pattnaik	Home Science	Home Science	37,400-67,000 Rs.57,550	20.06.2012	Permanent	Others
2	Subject Matter Specialist	Mrs. Babita Mishra	Horticulture	Horticulture	15,600-39,100 Rs. 23,950	13.08.2014	Contractual	Others
3	Subject Matter Specialist	Mrs. Dharitri Patra	Women Agril.	Women Agril.	15,600-39,100 Rs. 24,850	27.06.2007 to 15.04.2014 16.01.2016	Contractual	Others
4	Subject Matter Specialist	Mr. Subrata Ku. Panigrahi	Agril. Extension	Agril. Extension	15,600-39,100 Rs. 23,950	21.05.2018	Contractual	Others
5	Subject Matter Specialist	Dr.(Mrs.)Bijayalaxmi Mohanta	Ag.Engg	Ag.Engg	15,600-39,100 Rs. 21,390	12.04.2012	Contractual	Others
6	Subject Matter Specialist	Mr. Subhasis Dash	Soil Science	Soil Science	15,600-39,100 Rs.21,390	11.06.2013	Contractual	Others
7	Subject Matter Specialist	Vacant	-	-	-	-	-	-
8	Programme Assistant	Dr. A.K. Das	Vety.Sc	Vety.Sc	9,300-34,800 Rs. 10,130	23.12.2015	Contractual	Others
9	Computer Programmer	Mrs. Sangita Panda	Computer	Computer	9,300-34,800 Rs.13,980	02.09.2014	Contractual	Others
10	Farm Manager	Mr. Bipra Charan Swain	Agronomy	Agronomy	9,300-34,800 Rs.11,940	27.07.2013	Contractual	Others
11	Accountant / Superintendent	Mr. Prahalad Chayani	Accountant	Accountant	9,300-34,800 Rs.14,540	07.03.2016	Permanent	Others
12	Stenographer	Mr. Trupti Ranjan Barik	Steno	Steno	5,200-20,200 Rs.8,170	29.06.2012	Contractual	Others
13.	Driver	Mr. Pravat Ku. Naik	-	-	5,200-20,200 Rs.7,680	5.11.2015	Contractual	Others
14.	Driver	Mamtaz Alli Khan	-	-	5,200-20,200 Rs.7,130	08.07.2013	Contractual	Others
15.	Supporting staff	Mr. Lachhaman Swain	-	-	4,440-14,680 Rs.6,470	27.09.2013	Contractual	Others
16.	Supporting staff	Sri Bhagira Dalei	-	-	4,440-14,680 Rs.6,010	08.07.2014	Contractual	Others

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	0.051
2.	Under Demonstration Units	0.8373
3.	Under Crops	6.5
4.	Orchard/Agro-forestry	2
5.	Farming system	0.07
	Godown	0.0016
	Farmer hostel	0.045
	Threshing floor	0.077
	seed testing lab	0.4
	Total	9.98

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	Comple ted up to lintel level	Comple ted up to roof level	Totally comple ted	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building	-	-	-	-	-	510	Use	ICAR
2.	Farmers Hostel	-	-	-	-	-	450	Use	ICAR
3.	Staff Quarters (6)	-	-	-	-	-	-	-	-
4.	Piggery unit	-	-	-	-	-	-	-	-
5	Fencing								
6	Rain Water harvesting structure	-	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	770	Use	ICAR
8	Farm godown	-	-	-	-	-	126	Use	ICAR

9.	Dairy unit	-	-	-	-	-	-	-	-
10.	Poultry unit	-	-	-	-	-	69	Use	ICAR
11.	Goatary unit	-	-	-	-	-	-	-	-
12.	Mushroom Lab	-	-	-	-	-	-	-	-
13.	Mushroom production unit	-	-	-	-	-	-	-	-
14.	Shade house	-	-	-	-	-	-	--	-
15.	Soil test Lab	-	-	-	-	-	-	-	-
16.	Seed Grader						64	Use	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
TATA SUMO	Purchased on 23.04.2005	3,71,922	1,95,000 km	condemned on 28.11.2017
Tractor	Purchased on 31.03.2005	3,74,233	2425hr	Functioning
Motor Cycle	Purchased on 31.03.2011	50,000/-	12,000km	Functioning

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Nitrogen analyzer	2010-11	4,26,000	Working	ICAR
PH meter	2010-11	9,898	Working	ICAR
Hot were oven	2010-11	13,200	Working	ICAR
Spectro photo meter	2010-11	2,96,888	Working	ICAR
EC	2010-11	30,000	Working	ICAR
Flame photometer	2010-11	35,600	Working	ICAR

Auto clave	2010-11	62,000	Working	RKVY
Laminar Air flow	2010-11	49,000	Working	RKVY
Hot Air oven	2010-11	15,000	Working	RKVY
Electronic Balance	2010-11	21,000	Working	ICAR
Stabilizer	2013-14	19,860	Working	Contingency
Rotary flask shaker	2013-14	41,000	Working	Contingency
Flame photometer	2013-14	850	Working	Contingency
Quartzcuvette	2013-14	9,450	Working	Contingency
Mini Soil kit	2016-17	1,50,000	Working	ICAR
Moisture meter	2017-18			
b. Farm machinery				
MB Plough	2012-13	26,000	Working	RF
Nine tin Cultivator	2012-13	20,500	Working	RF
Nineteen seed cum fertilizer drill	2015-16	45,000/-	Working	ICAR
Axial flow thresher	2015-16	1,41,000	Working	ICAR
Land leveller	2015-16	14,000	Working	ICAR
c. AV Aids				
Laptop	2008-09	50,000	Working	ICAR
Honda Generator	2010-11	50,000	Working	ICAR
Digital Camera	2011-12	20,000	Working	ICAR
HP printer	2011-12	8000	Working	ICAR
Public address system	2011-12	25,000	Working	ICAR
Printer cum Xerox	2015-16	50,000	Working	ICAR
Laptop	2016-17	50,000	Working	ICAR
Desktop Computer	2016-17	50,000	Working	ICAR
Printer Cum Xerox	2016-17	15000	Working	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
MB Plough	2012-13	26,000	Working	RF
Nine tin Cultivator	2012-13	20,500	Working	RF
Nineteen seed cum fertilizer drill	2015-16	45,000/-	Working	ICAR
Axial flow thresher	2015-16	1,41,000	Working	ICAR
Land leveller	2015-16	14,000	Working	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.	27.07.2017	24	New variety of Black gram should be taken up in programme	Seeds of Blackgram var. PU-31 for 30 ha has been distributed to farmers of village Kankadapala, Block- Sukinda for Kharif sowing under cluster demonstration	
			Trials on Integrated nutrient management must be conducted jointly by Scientist (Horticulture) and Scientist (Soil Science).	FLD on INM in potato, INM in marigold, INM in water melon included in the Action plan 2017-18. Each trial was conducted comprising 5 nos. of farmers giving much importance on neem oil cake , vermi-compost, sea weed extract	
			Demonstration of mini dal mill for value addition of pulses	Demonstration of mini dal mill for value addition of pulses was not conducted	Demonstration on minidal mill will be conducted in 2018-19 during conduction of training on Use of mini Dal mill
			Trials on groundnut digger and groundnut thresher to be taken up	OFT on assessment of tractor drawn groundnut digger was conducted during Rabi 2018. Training programme on use of implements for groundnut harvesting and threshing was conducted during 2017-18	
			Increasing area of floriculture	Vocational training for Rural Youth as well as farmers & farm women training on “commercial flower cultivation”was conducted as per action plan 2017-18 in the month of Sept. & October for encouraging Rural youth towards flower cultivation. FLD on INM on marigold was conducted in the month of October 2017.	
			Demonstration on fodder cultivation and silage production for animal feed	Fodder kit of maize, bajra & cowpea has been distributed to the farmers of Naupala and Siha village. Fish silage preparation out of fish waste	

				for feeding of poultry as the recent intervention in adopted villages. Training on different fodder cultivation and silage preparation techniques has been conducted in different adopted villages	
			Increasing area of duck rearing	Integrated Farming unit of Khaki cambell duck rearing unit has been developed in the KVK IFS system and FLD on duck rearing along with fish pond has been taken during 2017-18 action plan for adopted villages.	
			Proposal is to be submitted to DDM, NABARD for vegetable cultivation(Potato) with drip irrigation and mulching	Project proposal for 5 acres of potato cultivation near Bansidhara Cold storage (Chhatia) has already been prepared and will be very soon submitted to ADH, Jajpur for necessary action	
			DDM, NABARD reiterated and promised that pilot projects related to animal husbandry, Agriculture & Agricultural Engineering sectors under KVK, supervision will be eagerly accepted by NABARD for further processing & finance	Project proposals has been done on potato cultivation, drip irrigation for vegetable cultivation, fish silage feeding to the chicken, Azolla & pro-biotic mixture supplementation to indigenous cow for enhancement of milk production , off season mushroom cultivation and vermi-compost production will be submitted very soon to DDM ,NABARD	

** 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	Paddy
2	Agro-climatic Zone	North Easter Coastal plain Zone mid central table land zone
3	Agro ecological situation	Low lying flood prone Saline Soil

		Red Laterite Rainfed Alluvial Rainfed River vally alluvial medium rainfall Light laterite (High rainfall)
4	Soil type	Alluvial, Saline soil Alluvial, Alluvial Red Laterite, Red Laterite Alluvial, Red Laterite
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Paddy- 28.36qtl/ha, Groundnut- 15.95qtl/ha Green gram- 3.15qtl/ha
6	Mean yearly temperature, rainfall, humidity of the district	Average rainfall-1246.8mm Min yearly temperature -28.5 ⁰ Average humidity-84-87%
7	Production of major livestock products like milk, egg, meat etc.	Milk- 78.92 milk TMT, Egg- 334.93 lakh egg Meat- 1099.97 MT

Note: Please give recent data only

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

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
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1		Rasulpur	Dihakuransa	Paddy, groundnut Vegetables	Lack of proper crop management practice in field, vegetable and pulses and other cash crops Micronutrients deficiency in groundnut Deterioration of existing varieties use by the farmers in field and horticultural crops. Scarcity of labour	Improved crop management practices in cereals, Pulses, vegetables and cash crops. Micronutrient application in groundnut Varietals substitution in field and horticultural crops. Farm mechanisaiton
2		Binjharpur	Jari	Paddy Poultry	Lack of proper crop management practice in field, vegetable and pulses and other cash crops Lack of knowledge on improved breed.	Improved crop management practices in cereals, Pulses, vegetables and cash crops. Enterepreneurship development in poultry
3		Dharmasala	Choromuha	Paddy Greengram Vegetable	Lack of proper crop management practice in field, vegetable and pulses and other cash crops Deterioration of existing varieties use by the farmers in field and horticultural crops.	Improved crop management practices in cereals, Pulses, vegetables and cash crops. Varietals substitution in field and horticultural crops.
4		Jajpur	Khadipada	Paddy Greengram Vegetables Duckery	Lack of proper crop management practice in field, vegetable and pulses and other cash crops Deterioration of existing varieties use by the farmers in field and horticultural crops Unemployment problem of rural youth Scarcity of labour	Improved crop management practices in cereals, Pulses, vegetables and cash crops. Varietals substitution in field and horticultural crops Enreprenurship development poultry, duckery Farm mechanisaiton
5		Sukinda	Sansailo	Paddy Goatery Mushroom	Lack of proper crop management practice in field, vegetable and pulses and other cash crops Local breed farming gives low farm income Unemployment problem of rural youth	Improved crop management practices in cereals, Pulses, vegetables and cash crops Entrepreneurship development in goatary, mushroom.

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
Dihakuransa	Rasulpur	• Farmers ciub formation,SHGs formation. • Improved crop management practices in cereals, Pulses, vegetables and cash crops. • Varietals substitution in field and horticultural crops • Farm mechanisation • Enreprenurship development in poultry, duckery and mushroom cultivtion • Vermi-compost pits,
Choromuha	Dharamasala	• Farmers ciub formation,SHGs formation. • Improved crop management practices in cereals, Pulses, vegetables and cash crops. • Varietals substitution in field and horticultural crops • Farm mechanisation • Enreprenurship development in poultry, duckery and mushroom cultivtion • Vermi-compost pits,
Khadipada	Jajpur	• Farmers ciub formation,SHGs formation. • Improved crop management practices in cereals, Pulses, vegetables and cash crops. • Varietals substitution in field and horticultural crops • Farm mechanisation • Enreprenurship development in poultry, duckery and mushroom cultivtion • Vermi-compost pits,
Sunsilo	Sukinda	• Farmers ciub formation,SHGs formation. • Improved crop management practices in cereals, Pulses, vegetables and cash crops. • Varietals substitution in field and horticultural crops • Farm mechanisation • Enreprenurship development in poultry, duckery and mushroom cultivtion • Vermi-compost pits,
Jari	Binjharpur	• Farmers ciub formation,SHGs formation. • Improved crop management practices in cereals, Pulses, vegetables and cash crops. • Farm mechanisation • Enreprenurship development in poultry, duckery and mushroom cultivtion • Vermi-compost pits,

2.1 Priority thrust areas

S. No	Thrust area
1.	Varietal substitution in field and horticultural crops.
2.	Off-season vegetable cultivation.
3.	Popularization of energy rich, high value and cash crops.
4.	Commercial cultivation of fruit, flowers, medicinal and aromatic crops.
5.	Production of quality seed and planting materials in different major crops of the district.
6.	Improved crop management practices in cereals, pulses, vegetables and cash crops.
7.	Post harvest technology and value addition of cereals, pulses, oil seeds, vegetables and fruits.
8.	Farm resource management.
9.	Insect pest disease management.
10.	Drudgery reduction through use of farm implements.
11.	Creating avenues for self-employment through entrepreneurship development.
12.	Family food and nutritional security.
13.	Production and management of organic input.
14.	Farm mechanization
15.	Soil and water conservation.
16.	Disaster management
17	Protected cultivation and precession farming.
18	Poultry, duckery, goatery and dairy farming.
19	Fresh water aquaculture

3. TECHNICAL ACHIEVEMENTS

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

OFT						FLD					
No. of technologies: 10						No. of technologies:19					
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
10	10	118	10	108	118	19	19	140	22	118	140

Training						Extension activities					
Number of Courses:52						Number of activities					
Number of Participants		Number of participants				Number of participants		Number of participants			
Target	Achievement	Target	Achievement			Target	Achievement	Target	Achievement		
			SC/ ST	Others	Total				SC/ ST	Others	Total
52	52	1215	263	952	1215	2550	2524	-	529	9398	9927

Seed production (q)			Planting material (in Lakh)		
Target			Target		
Achievement			Achievement		
155			100000		
155			58000		

Livestock strains and fish fingerlings produced (in lakh)*			Soil, water, plant, manures samples tested (in lakh)		
Target			Target		
Achievement			Achievement		
1250 chicks			1000		
500 duckling			951		
4000 fingerlings					
50kg					

* Give no. only in case of fish fingerlings

Publication by KVKs		
Item	Number	No. circulated
Research paper	3	-
Seminar/conference/ symposia papers	2	-
Books	-	-
Bulletins	4	-

News letter	4	2000
Popular Articles	6	-
Book Chapter	-	-
Extension Pamphlets/ literature	4	2000
Technical reports	12	34
Electronic Publication (CD/DVD etc)	6	6
TOTAL	41	4040

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessment of Nitrogen management practices in medium land Paddy
2.	Problem diagnosed	More use of Nitrogenous fertilizer
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO ₁ -75%N (CF) + FYM + Full dose of P & K TO ₂ -75% N (CF) + (Green Manure) + Full dose of P &K
4.	Source of Technology	NRRI, Cuttack 2009
5.	Production system and thematic area	Rice-Pulse , INM
6.	Performance of the Technology with performance indicators	The growth, yield attributes and yield of paddy influenced by integrated nitrogen management practices. The supplement of 25% N with green manure was more effective in increasing yield 48.8 qtl/ha, maximum plant height 98.2 cm, no. of effective tiller/hill-12, panicle length-24.5 cm, test wt.-23gm & also highest build up of organic carbon -0.58%
7.	Final recommendation for micro level situation	75% N (CF) + 25% N(Green manuring) was found superior for increasing yield, productivity and also improve the fertility status of soil
8.	Constraints identified and feedback for research	In order to keep the soil in good health it is necessary to use organic sources like FYM and green manuring in conjunction with fertilizer. Since organic manure are not available in sufficient quantity, INM using g both inorganic and organic manures is currently recommended. The Nitrogen management practices envisage use of FYM and green manure along with fertilizer and opportunity to achieve long term sustainability

		in crop production system
9.	Process of farmers participation and their reaction	Farmers are satisfied with the technology & he got 13.48 % increase in yield over farmers practice.

Thematic area: INM

Problem definition: **More use of Nitrogenous fertilizer**

Technology assessed: **Assessment of Nitrogen management practices in medium land Paddy**

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP- 100% N through chemical fertilizer, with P & K	13	8	105	2 gm	25%	43	35000	66650	31650	1.91
TO ₁ -75%N (CF) + FYM + Full dose of P & K	13	10.1	112	2.1 gm	15%	46.5	37000	72075	35075	1.94
TO ₂ -75% N (CF) + (Green Manure) + Full dose of P & K	13	12	115	2.2 gm	13%	48.8	37500	75640	38140	2.02

OFT-2

1.	Title of On farm Trial	Assessment of Boron application in Rice
2.	Problem diagnosed	Rice crop is affected by Boron deficiency at fertilization as well as at the grain filling stages resulting in chaffy grains
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO ₁ -STBF +Borax @10kg/ha (soil application) TO ₂ -STBF + foliar spray of 0.25% Borax twice at 15 DAT & flower initiation stage
4.	Source of Technology	OUAT-Bhubaneswar, 2016(Dept. of Soil Sc.)
5.	Production system and thematic area	Rice-pulse, INM
6.	Performance of the Technology with performance indicators	Foliar spray of B 0.25% enhance the highest grain yield 46.2 qtl/ha, no. of effective tiller/hill- 11.5, maximum plant height- 95.4 cm, test wt- 24 gm, No. of grain/panicle-105, and also reduction in chaffy grain/panicle (only 4 nos.)
7.	Final recommendation for micro level situation	Foliar spray of Borax @0.25% at 15 DAT & flower initiation stage has better impact as compare to soil application and it also increase the grain yield of paddy is 14% over farmers practices & also reduces the chaffy grain
8.	Constraints identified and feedback for research	Boron application improves the grain setting by improving the grain filling process and reducing the male sterility
9.	Process of farmers participation and their reaction	Farmers are satisfied with the technology & they got 14 % increase in yield over farmers practice & reduce the chaffy grain.

Thematic area: INM

Problem definition: **Rice crop is affected by Boron deficiency at fertilization as well as at the grain filling stages resulting in chaffy grains**

Technology assessed: **Assessment of Boron application in Rice**

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP- No use of Boron	13	8	104	2	25%	40.3	35000	62465	27465	1.78
TO ₁ -STBF +Borax @10kg/ha (soil application)	13	10.2	111	2.2	14%	45.4	37000	70370	33370	1.9
TO ₂ -STBF + foliar spray of 0.25% Borax twice at 15 DAT & flower initiation stage	13	11.5	114	2.4	15%	46.2	37000	71610	34610	1.93

OFT-3

1.	Title of On farm Trial	Assessment of Tomato varieties
2.	Problem diagnosed	Low yield due to incidence of Bacterial wilt and early blight & less profit.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO ₁ - Cultivation of var. Utkal Raja along with recommended package of practices(seed treatment with Azotobacter 15 gm/kg of seed , STBF, need based plant protection measures) TO ₂ - BT-136 along with recommended package of practices, (seed treatment with Azotobacter 15 gm/kg of seed, STBF, need based plant protection measures)
4.	Source of Technology	OUAT, 2017
5.	Production system and thematic area	Rice-vegetable, varietal evaluation
6.	Performance of the Technology with performance indicators	Individual fruit wt.(gm), yield (q/ha), % of infection, Net profit, B:C ratio
7.	Final recommendation for micro level situation	High yielding, comparatively more shelf life (5-6 days) than farmers practice (3 days)
8.	Constraints identified and feedback for research	Difficulties in marketing , varieties having more shelf life (>10 days) required
9.	Process of farmers participation and their reaction	Group interaction ,Training on “production technology of Tomato cultivation”. Varieties BT-136 is high yielding but having comparatively less shelf life for distant marketing.

Thematic area: Varietal evaluation

Problem definition: **Low yield due to incidence of Bacterial wilt and early blight & less profit.**

Technology assessed: **Assessment of Tomato varieties.**

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
		Individual fruit wt.(gm)	Yield/plant	No. of fruits/plant						
TO ₁ - Cultivation of var. Utkal Raja along with recommended package of practices, seed treatment with Azotobacter 15 gm/kg of seed, STBF, need based plant protection measures	5	53.9 gm	1.06 kg		12.4	265.7	43600	106288	62,688	2.43
TO ₂ - BT-136 along with recommended package of practices, seed treatment with Azotobacter 15 gm/kg of seed, STBF, need based plant protection measures	5	60.0 gm	1.57 kg		8.7	315.2	43600	121250	77,650	2.78

OFT-4

1.	Title of On farm Trial	Assessment of potato varieties
2.	Problem diagnosed	Low yield and less profit due to Cultivation of long duration variety
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO ₁ - Cultivation of potato var. Kufri khyati along with recommended package of practice, seed treatment with Azotobacter 1 kg/10 lit of water, STBF, need based plant protection measures. TO ₂ - Kufri surya along with recommended package of practice, seed treatment with Azotobacter 1 kg/10 lit of water, STBF, need based plant protection measures.
4.	Source of Technology	CPRI, Simla, 2006
5.	Production system and thematic area	Rice-potato, varietal evaluation
6.	Performance of the Technology with performance indicators	No. of tuber/plant, Individual tuber wt. Yield (q/ha), Net profit, B:C ratio
7.	Final recommendation for micro level situation	Variety Kufri Surya was accepted by the farmers for its 72-75 days duration, heat tolerant ability, high yielding & good cooking quality.

8.	Constraints identified and feedback for research	Sufficient planting material not available in time
9.	Process of farmers participation and their reaction	Group discussion and participation in the training programme on “production technology of potato cultivation”. The variety Kufri Surya was accepted Farmers for its high yielding ability and short duration.

Thematic area: Varietal evaluation

Problem definition: **Low yield and less profit due to Cultivation of long duration variety**

Technology assessed: **Assessment of potato varieties**

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 tuber/plant	Individual tuber wt. (gm)	Yield/ Plant gm						
TO ₁ - Cultivation of potato var. Kufri khyati along with recommended package of practice, seed treatment with Azotobacter 1 kg/10 lit of water, STBF, need based plant protection measures.	5	3.88	113.8 gm	452.4gm	8.2	216.8	44800	108400	63600	2.41
TO ₂ - Kufri Surya along with recommended package of practice, seed treatment with Azotobacter 1 kg/10 lit of water, STBF, need based plant protection measures	5	4.2	117.8 gm	496.8 gm	6.6	239.4	44800	122094	77294	2.72

OFT-5

1.	Title of On farm Trial	Assessment of four row walk behind self propelled rice transplanter
2.	Problem diagnosed	High labour cost & more time consuming for transplanting operation
3.	Details of technologies selected for assessment/refinement (Assessed)	TO1-Line transplanting by using rope TO2-Four row walk behind self propelled rice transplanter
4.	Source of Technology	C.A.E.T., OUAT., 2012
5.	Production system and thematic area	Rice- vegetable & Farm mechanization
6.	Performance of the Technology with performance indicators	Average field capacity (ha/h), Labour requirement (mandays/ha), Cost of operation(Rs/ha), Yield(ql/ha), Net income(Rs/ha), B:C ratio
7.	Final recommendation for micro level situation	Labour requirement for transplanting and cost of transplanting reduced from Rs. 7200/- to Rs. 2172/-.
8.	Constraints identified and feedback for research	The four row walk behind self propelled rice transplanter is working well.
9.	Process of farmers participation and their reaction	PRA survey, Group discussion and participation in training on 'Use of rice transplanter'. Farmers are interested for using four row walk behind rice transplanter as transplanting was done in very less time and labour requirement was reduced.

Thematic area: Farm Mechanization

Problem definition: High labour cost & more time consuming in transplanting

Technology assessed: Assessment of four row walk behind self propelled rice transplanter.

Table:

[illegible]

TO1-Line transplanting by using rope	5	10	45.5	0.023	41	37200	70525	33325	1.89
TO2-Four row walk behind self propelled rice transplanter	5	11	46.4	0.13	4	33250	71920	38670	2.16

OFT-6

1.	Title of On farm Trial	Assessment of performance of tractor drawn groundnut digger
2.	Problem diagnosed	Unavailability of labour and high wages of labour for digging groundnut
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1-Bullock drawn groundnut digger TO2-Tractor drawn groundnut digger
4.	Source of Technology	C.A.E.T., OUAT., 2014
5.	Production system and thematic area	Rice –groundnut, Farm mechanization
6.	Performance of the Technology with performance indicators	Labour required (mandays/ha), Avg. field capacity(ha/h), avg. cost of operation(Rs/ha), Cost of cultivation(Rs/ha), net income(Rs/ha), B:C ratio
7.	Final recommendation for micro level situation	Bullock drawn groundnut digger is working well and it is recommended for small farmers. Tractor drawn groundnut digger is having higher field capacity.
8.	Constraints identified and feedback for research	Tractor drawn groundnut digger is having straight blade which is gathering soil after working for some time.
9.	Process of farmers participation and their reaction	Labour required (mandays/ha), average field capacity(ha/ha),avg. cost of operation(Rs/ha), cost of cultivation (Rs/ha), Net income(Rs/ha), B: C ratio

Thematic area: Farm mechanization

Problem definition: Unavailability of labour and high wages of labour for digging groundnut

Technology assessed: TO1-Bullock drawn groundnut digger, TO2-Tractor drawn groundnut digger

Table:

Technology option	No. of trials				Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Labour required	Avg. field	Avg. cost of operati					

		(Mandays/ha)	capacity (ha/h)	on(Rs/ha)					
TO1-Bullock drawn groundnut digger	13	5	0.03	1594	20.2	32394	72720	40236	2.24
TO2-Tractor drawn groundnut digger	13	1	0.4	2500	20.2	33300	72720	39420	2.18

OFT-7

1.	Title of On farm Trial	Assessment of paddy straw mushroom strain OSM-11 and 12
2.	Problem diagnosed	Low yield of paddy straw mushroom V. Volvacea in peak summer
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO ₁ : Cultivation of paddy straw mushroom strain OSM-11 TO ₂ : Cultivation of paddy straw mushroom strain OSM-12 OSM-11 & 12 strains with paddy straw of different layers, yield is more in summer
4.	Source of Technology	AICRP on mushroom, OUAT, 2013-14
5.	Production system and thematic area	Home stead, Enterprise development
6.	Performance of the Technology with performance indicators	Yield(kg/bed), fruit wt. in gm, Cost of cultivation, Gross cost, Net return, B:C ratio
7.	Final recommendation for micro level situation	Bio efficiency of substrate was 11.9% yield performance was good in peak summer
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	PRA Survey for problem identification of farmers and yield performance of paddy straw mushroom strain OSM-11 was good.

Thematic area: Enterprise development

Problem definition: Low yield of paddy straw mushroom V. Volvacea in peak summer

Technology assessed: **Assessment of paddy straw mushroom strain OSM-11 and 12**

Table:

Technology option	No. of trials		Yield (kg/bed)	Cost of cultivation (Rs./10 nos. bed)	Gross return (Rs/10 nos. bed)	Net return (Rs./10 nos. bed)	BC ratio
		Fruit wt. in gm					
TO ₁ : Cultivation of paddy straw mushroom strain OSM-11	15	22.25	1.26	500	1260	760	2.52
TO ₂ : Cultivation of paddy straw mushroom strain OSM-12	15	21.5	1.08	500	1050	550	2.1

OFT-8

1.	Title of On farm Trial	Assessment of use of different substrate in oyster mushroom cultivation
2.	Problem diagnosed	Low yield from <i>P. sajarcaju</i> during later part of winter
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1- Cultivation of <i>P. sajarcaju</i> by using Paddy straw as substrate+pasteurized sugarcane bagasse (50:50 basis) TO2-Cultivation of <i>P. sajarcaju</i> by using Paddy straw as substrate +pasteurized banana leaves in (50:50 basis)
4.	Source of Technology	AICRP on mushroom, CTMRT,OUAT, 2013
5.	Production system and thematic area	Home stead, enterprise development.
6.	Performance of the Technology with performance indicators	Yield(kg/bed), Fruit wt. in gm, Net return(Rs./10 nos. bed), BC ratio
7.	Final recommendation for micro level situation	Yield performance was good by using Paddy straw as substrate +pasteurized banana stem in (50:50 basis) bio efficiency of substrate was 110%.
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Group interaction with farmers for problem identification and farmers appreciated the technology of using banana pseudo stem as substrate.

Thematic area: Enterprise development

Problem definition: **Low yield from *P. sajarcaju* during later part of winter**

Technology assessed: **Assessment of use of different substrate in oyster mushroom cultivation**

Table:

Technology option	No. of trials	Fruit wt. in gm	Yield (kg/bag)	Cost of cultivation (Rs./10 nos. bag)	Gross return (Rs/10 nos. bag)	Net return (Rs./10 nos. bag)	BC ratio
TO1- Cultivation of <i>P. sajarcaju</i> by using Paddy straw as substrate+pasteurized sugarcane bagasse (50:50 basis)	13	32.5	1.85	250	898	648	3.59
TO2-Cultivation of <i>P. sajarcaju</i> by using Paddy straw as substrate +pasteurized banana leaves in (50:50 basis)	13	35	2.2	250	1027	777	4.10

OFT-9

1.	Title of On farm Trial	Assessment of nutritional security of farm women by introduction of Nutritional garden
2.	Problem diagnosed	poor nutritional status of family members due to less in take of fresh vegetables and fruits
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO ₁ - Nutritional gardening with proper layout and iron rich leafy vegetables TO ₂ - Nutritional gardening with proper layout with vegetables (papaya, drumstick, cabbage, cauliflower, tomato, brinjal)and iron rich leafy vegetables.
4.	Source of Technology	CIWA, 2010
5.	Production system and thematic area	Home stead, Household food security by kitchen gardening and nutrition gardening

6.	Performance of the Technology with performance indicators	Haemoglobin (Hb%), consumption of vegetables per day(gm)
7.	Final recommendation for micro level situation	Good nutritional status with increased haemoglobin level due to daily intake of vegetable (52%) of RDA requirements
8.	Constraints identified and feedback for research	Standardization of area for nutritional garden
9.	Process of farmers participation and their reaction	Farmers participation in group discussion ,PRA Survey Farmers are happy as there is easy availability of vegetables to meet family nutritional requirements

Thematic area: Household food security by kitchen gardening and nutrition gardening

Problem definition: poor nutritional status of family members due to less in take of fresh vegetables and fruits

Technology assessed: Assessment of nutritional security of farm women by introduction of Nutritional garden

Table:

Technology option	No. of trials	Parameter Hb%	Consumption of vegetable (gm/day)	% Consumption of vegetable as per RDA
TO ₁ - Nutritional gardening with proper layout and iron rich leafy vegetables	15	8.2	350 gm/day GLVs & other veg	29.16
TO ₂ - Nutritional gardening with proper layout with vegetables (papaya, drumstick, cabbage, cauliflower, tomato, brinjal)and iron rich leafy vegetables.	15	8.6	622 gm/day GLVs & other veg	51.8

OFT-10

1.	Title of On farm Trial	Assessment of coconut dehusker for drudgery reduction of farm women
2.	Problem diagnosed	Coconut dehusking is a drudgery prone activity

3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO ₁ - Standing type coconut dehusker (OUAT) TO ₂ - Sitting type coconut dehusker
4.	Source of Technology	OUAT, 2010
5.	Production system and thematic area	Home stead, Drudgery reduction
6.	Performance of the Technology with performance indicators	Heart rate (beats/min), Cardiac cost (beats/coconut), Saving in cardiac cost over FP%, Saving in cardiac cost over FP%, Dehusking capacity (Nos/hr.)
7.	Final recommendation for micro level situation	Sitting type coconut dehusker is more suitable for drudgery reduction of farm women
8.	Constraints identified and feedback for research	Need of safety measures to prevent hand injury
9.	Process of farmers participation and their reaction	Farmers and farmwomen participation in group discussion ,PRA Survey Farmwomen found more suitable with sitting type coconut dehusker

Thematic area: Drudgery reduction

Problem definition: Coconut dehusking is a drudgery prone activity

Technology assessed: Assessment of coconut dehusker for drudgery reduction of farm women

Table:

Technology option	No. of trials	Heart rate (beats/min)	Cardiac cost (beats/coconut)	Saving in cardiac cost over FP%	Dehusking capacity (Nos/hr.)
TO ₁ - Standing type coconut dehusker (OUAT)	13	121	12	43.3	165
TO ₂ - Sitting type coconut dehusker	13	118	11.39	46.19	158

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals NA

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
				Proposed	Actual	SC/ST	Others	Total	
1.									
2.									
3.									
4.									
5.									
6.									
7.									
8.									

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 ₂ O ₅	K ₂ O					

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
Groundnut	IWM	Demonstration on application of herbicide Imizathapyr application in Groundnut	5	1	17.8	13.5	31.85	35500	71200	35700	2.0	34800	54000	19200	1.55
Groundnut	INM	Demonstration on Boron & Sulphur application in Groundnut	5	1	19.5	16.7	16.76	37500	78000	40500	2.08	35200	66800	31600	1.89
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
	Total														

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

** BCR= GROSS RETURN/GROSS COST

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Brinjal	INM	Demonstration on Biofertilizer application in brinjal	5	1 ha	251	218	15.13	Wt. of fruit/plant 140 gm	Wt. of fruit/plant 130 gm	55000	150600	95600	2.73	52000	130800	78800	2.51
Pointed gourd	Vegetable cultivation	Demonstration on cultivation of pointed gourd var. Swarna Alaukik	5	0.16 ha	220.2	178.2	23.5	Yield/plant 2.36	Yield/plant 1.78	55900	198180	142280	3.54	44320	142560	98240	3.21
Capsicum	Vegetable cultivation	Demonstration on capsicum var. California wonder	5	0.4 ha	100.53	86.7	15.9	Individual fruit wt 69.04 gm	Individual fruit wt 3.14 gm (chilli)	51200	150795	99595	2.94	43200	104040	60840	2.40

Marigold	Flower cultivation	Demonstration on INM in marigold (var. serakole)	5	0.4ha.	143.7	119.9	19.84	No. of flowers/plant 72.6	No. of flowers/plant 64.2	52400	172440	120040	3.3	46800	131890	85090	2.81
Watermelon	INM	Demonstration on integrated nutrient management in watermelon	5	0.4 ha	294.2	248.6	18.3	Individual fruit wt. in kg- 1.64	Individual fruit wt. in kg- 1.32	48600	147100	98500	3.02	44800	124100	79300	2.77
		Total															

Livestock

[illegible]

Piggery																	
Sheep and goat																	
Duckery	IFS	Demonstration on duck rearing along with fish pond	10	100 nos. duck	Avg. body wt/bird 3.0 kg/4 month	Avg. body wt/bird 2.8 kg.		Contd..	Avg. dressing % 72	Contd..	Contd..	Contd..	Contd	200/ducks	798/ducks	598/ducks	3.9:1
Others (pl.specify)																	
Total																	

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

** BCR= GROSS RETURN/GROSS COST

Fisheries - NA

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

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

** BCR= GROSS RETURN/GROSS COST

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR

Oyster mushroom	Demonstration of Oyster Mushroom variety Hypsizygous ulmarius	15	15 (10bag/unit)	Avg. yield (kg/bag) 2.25	Avg. yield (kg/bag) 1.85	21.6	Avg. fruit wt. in gm 124	Avg. fruit wt. in gm 32	250	1350	1100	5.4	250	897	647	3.58
Button mushroom	NA															
Vermicompost	NA															
Sericulture	NA															
Apiculture	NA															
Others (pl.specify)	Demonstration on poultry rearing 'Aseel' in backyard	10	10 (5birds/unit)	Avg. Body wt./bird 2.1 kg/bird	Avg. Body wt./bird 1.2 kg/bird	75	No. of eggs/bird continuin g	-	300	1575	1275	5.25	250	900	650	3.6
	Demonstration on value addition in groundnut	10	10 (5 kg/unit)	Wt. of processed product 7kg chikki (out of 5kg)	Wt. of processe d product 5 kg	Product conversio n ratio 1.4:1	-	-	595	2200	1605	3.52	200	400	200	-
	Demonstration on value addition in mushroom	10	10 (15 kg/unit)	Wt. of processed product 7.5 kg pickle from 5kg mushroom & 1kg soup powder from 10 kg fresh mushroom	Wt. of processe d product 15 kg				900	2575	1675	2.86	375	1050	675	2.8
Total																

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

** BCR= GROSS RETURN/GROSS COST

Women empowerment

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

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation Field capacity(ha/h)		% change in major parameter	Labor requirement (man days/ha)				Cost of operation (Rs/ha)			
					Demonstration	Check		Demo	Check			Demo	Check		
Self propelled eightrow rice transplanter	Rice	Demonstration of self propelled eight row rice transplanter	05	1ha	0.16	0.027	492.5	3	36			2172	7200		
Track type combine harvester	Rice	Demonstration use of track type of combine harvester	05	0.8ha	0.4	0.02	1381	5	54			5500	10800		
Tractor drawn rotavator	Greengram	Demonstration on tractor operated rotavator for dry ploughing	5	1ha	0.4	0.4	-	-	-			1500	3750		
Tractor drawn multicrop seed cum fertilizer drill	Rice	Demonstration on tractor drawn multicrop seed cum fertilizer drill for sowing of paddy	5	1ha	0.4	0.56	-	0	1			1500	200		

*** 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 - NA

[illegible]

[illegible]

Technical Feedback on the demonstrated technologies

Sl. No	Crop/enterprise	Feed Back
1	Groundnut	Application of herbicide Immizathapyr in groundnut enhance the pod yield 31.85% over farmers practice and also reduce the weed population 84.5%
2	Groundnut	B&S application in groundnut improves the quality and boosts up the pod yield of groundnut by about 16.76%
3	Brinjal	Biofertilizer application in brinjal enhance the yield 15.13% over farmers practice and also improve the fruit quality
4	Pointed gourd	Cultivation of var. Pointed gourd Swarna Alaukik in Traingular staking system was found profitable to the farmers with yield 220.2 q/ha and net income Rs. 142280/ha
5	Capsicum	Farmers can get more profit from capsicum cultivation (Net income Rs. 99595/ha) than chilli (Net income Rs. 60840/ha)
6	Marigold	INM in marigold comprising inorganic fertilizer with neem oil cake + biofertilizer+ sea weed extract in correct proportion enhanced the production 143.7 q/ha as well as quality of flower
7	Watermelon	Cultivation of watermelon with integrated nutrient management (inorganic fertilizer with neem oil cake + biofertilizer+ sea weed extract) increased yield 294.2 q/ha against Farmers practice 248.6 q/ha and Net income Rs. 98500/ha.
8	poultry	Provision of multienzyme mixture @0.5% of feed (30 gm/bird) once daily during night to scavenging chicken increases average body wt. by 119% through B: C ratio 3.36 over 3.3 in farmer practice
9	Poultry (Pallisree)	Semi intensive rearing of pallisree breed by supplementation of undervalued organic waste, home scrapings and proper disease management schedule results in average body wt. gain of 81.6% through B:C ratio 5.4 over 3.6 in farmer practice using desi scavenging birds.
10	Self propelled eight row rice transplanter	Labour requirement for transplanting has been reduced from 36mandays/ha to 3 mandays/ ha and cost of transplanting reduced from Rs 7200/- to Rs 2172/- per ha
11	Track type combine harvester	Labour requirement for harvesting and threshing reduced.
12	Tractor drawn rotavator	Soil pulverization was better than farmers practice.
13	Tractor drawn multicrop seed cum fertilizer drill	Seed rate reduced from 37.5 kg/ha to 20 kg/ha and line sowing led to even plant population and easy in intercultural operation.
14	Oyster mushroom Var. <i>H. ulmarius</i>	Yield performance was good in late part of winter and bio efficiency of substrate was high (122%)
15	Groundnut	Good keeping quality of value added product of groundnut (chiki 150 days) with good net return
16	Value addition in oyster Mushroom	Shelf life was increased by preparation of mushroom pickle and soup powder with good marketing avenues.

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	18.01.2018	1	25	Farmers expressed their satisfaction on the demonstrated technology on “INM in Marigold”
		22.09.2017	1	20	Field day on tractor drawn multicrop seed cum fertilizer drill
		26.12.2017	1	20	Field day on self propelled rice transplanter
		10.01.2018	1	20	Field day on use of track type combine harvester.
		30.11.17	1	25	Field day on Immizathapyr application in groundnut
		12.12.17	1	25	Field day on bio-fertilizer application in brinjal
		20.04.18	1	25	Field day on B & S application in groundnut
		18.01.2018	1	25	Field day pallisree breed rearing system
		3.02.2018	1	25	Field day on effect of multienzyme mixture supplementation on growth rate of scavenging chicken
2.	Farmers Training	25.01.18	1	25	Training on “Production techniques of capsicum”
		15.03.18	1	25	Training on “Production techniques of pointed gourd”
		15.07.2017	1	25	Use of self propelled rice transplanter
		5.09.2017	1	25	Use of multicrop seed cum fertilizer drill
		27.01.2018	1	25	Use of tractor drawn rotavator for field preparation.
		11.09.17	1	25	Herbicide application on oil seed crop
		15.09.17	1	25	Bio-fertilizer application in brinjal
		18.9.17	1	25	Integrated farming system and its benefits
		22.09.17	1	25	Duck husbandry and its economical benefits
		24.11.2017	1	25	Routine veterinary intervention required for animal husbandry- awareness for farmer and farm women
		20.9.17	1	25	Simple preparation of nutritious feeding for livestock
3.	Media coverage				
4.	Training for extension functionaries	15.09.2017	1	25	Use of different improved implements for rice cultivation.

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

A. Technical Parameters: (Kharif Oil seed & Pulse 2017)

Sl. No.	Crop demonstrated	Existing (Farm)	Existing	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number	Area in	Yield obtained (q/ha)	Yield gap minimized (%)
				Distri	State	Poten					

No.		er's) variet y name	yield (q/h a)	ct yield (D)	yield (S)	tial yield (P)		of far mer s	ha	Max.	Min .	A v.	D	S	P
1	Groundnut Variety- Devi (Kharif, 2017)	TG-9	13.5	1400	1821	2200	Improved management practices of Groundnut variety Devi, Soil amendment with Gypsum@2.5 q/ha, seed treatment with vitavax(p)@2g m/kg seed, seed inoculation with Rhizobium culture@20 gm/kg seed along with soil test based fertilizer and need based plant protection measures.	45	30	19.8	16.2	18.3	30.71	0.49	20.21
2	Blackgram	Local var.	5.7	324	427	1100	Improved management practices of Blackgram seeds var.PU- 31, seed treatment with vitavax (p)@2.5 gm/kg seed, seed inoculation with Rhizobium culture along with soil test based fertilizer & need based plant protection measures.	58	30	8.6	6.5	7.8	140.7 4	82.66	41.02

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	Improved management practices of Groundnut variety Devi, Soil amendment with Gypsum@2.5 q/ha, seed treatment with vitavax(p)@2gm/kg seed, seed inoculation with Rhizobium culture@20 gm/kg seed along with soil test based fertilizer and need based plant protection measures.	34800/-	54000/-	19200/-	1.55	35500/-	73200/-	37700/-	2.06
2	Improved management practices of Blackgram seeds var.PU-31,seed treatment with vitavax (p)@2.5 gm/kg seed,seed inoculation with Rhizobium culture along with soil test based fertilizer & need based plant protection measures.	20800	28785	7985	1.38	22200	39390	17190	1.77

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/household)
1	Groundnut Variety- Devi	82350	1000	40/	600	100	For day today need	5

2	Improved management practices of Blackgram seeds var.PU-31,seed treatment with vitavax (p)@2.5 gm/kg seed,seed inoculation with Rhizobium culture along with soil test based fertilizer & need based plant protection measures.	45240	400	5050/-	300	100	For day today need	4
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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	Improved management practices of Groundnut variety Devi, Soil amendment with Gypsum@2.5 q/ha, seed treatment with vitavax(p)@2gm/kg seed, seed inoculation with Rhizobium culture@20 gm/kg seed along with soil test based fertilizer and need based plant protection measures.	Yes	Yes	70%	No	Yes	Establishment of processing units for value addition.
2	Improved management practices of Blackgram seeds var.PU-31,seed treatment with vitavax (p)@2.5 gm/kg seed,seed inoculation with Rhizobium culture along with soil test based fertilizer & need based plant protection measures.	Yes	Yes	Yes	Less market demand by trader	Yes	Establishment of processing unit for value addition and awareness about line sowing.

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Groundnut var-Devi 90-95 days Duration.oil content-48%. INM,IPM	Improved management practices of groundnut with var.Devi enhances the pod yield 18.3 q/ha during kharif.	Improved management practices of groundnut with var.Devi enhances the pod yield 33.55% over local check.	Farmers are satisfied with the variety and technology.but problem in marketing and processing facilities.
Variety PU-31,75 days duration. INM & IPM	Improved management practices of Blackgram with variety PU-31 enhance the yield 7.8 Q/ha during kharif.	Improved management practices of Blackgram with variety PU-31 enhance the yield 31.84% over farmer practices.	Farmers are satisfied with the variety and technology.

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Field Day on groundnut	13.11.2017	50
2	Field Day on blackgram	2.11.2017	50

G. Sequential good quality photographs (as per crop stages i.e. growth & development)**Kharif oil seed (groundnut)**

Cluster demonstration on Oil seed var. Devi



Field day on Cluster demonstration of Oil seed var. Devi

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

Kharif pulse (Blackgram)



Cluster demonstration of Pulse var. PU-31



Field visit of Sr. Scientist & Head & Scientists



Field day on cluster demonstration of pulse var. PU-31

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

iii. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Groundnut (Kharif, 2017)	i) Critical input(seed, chloropyriphos+ cypermethrin)		1,97,216/	
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)		2000/	
	iv)Publication of literature			
	Total	Not received	1,99,216/	

Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Balckgram	i) Critical input		1,37,775/	
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)		2000	
	iv)Publication of literature			
	Total	Not received	1,39775/	

K. List of Farmer under FLD (Crop wise)**Crop1(Kharif- 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		
Subasha Mondal	Kripanath Mondal	Mondapada	Danagadi			21°01'33.5"	85°59'32.8"	Yes	20:40:40	Improved management practices of Groundnut variety Devi, Soil amendment with Gypsum@2.5 q/ha, seed treatment with vitavax(p)@2gm/kg seed, seed inoculation with Rhizobium culture@20 gm/kg seed along with soil test based fertilizer and need based plant protection measures.	Devi	50 kg			18.6	13.5	37.7

Sanjulata Mohanta	Laxman Mondal	Mondapada	Danagadi			21 ⁰ 01'33.5"	85 ⁰ 59'32.8"	Yes	20:40:40		Devi	50 kg			18.4	13.5	36.29
Laxman Munda	Basudev Munda	Mondapada	Danagadi			21 ⁰ 01'38.5"	85 ⁰ 59'45.3"	Yes	20:40:40		Devi	50 kg			18.5	13.5	37.03
Subhi Mondal	Laxman Mondal	Mondapada	Danagadi			21 ⁰ 01'34.4"	85 ⁰ 59'35.3"	Yes	20:40:40		Devi	50 kg			18.3	13.5	35.55
Ranjan Mondal	Birendra Mondal	Mondapada	Danagadi			21 ⁰ 01'35.9"	85 ⁰ 59'26.7"	Yes	20:40:40		Devi	50 kg			18.8	13.5	39.25
Saluka Purti	Lolala Purti	Mondapada	Danagadi			21 ⁰ 01'34.9"	85 ⁰ 59'35.6"	Yes	20:40:40		Devi	50 kg			19	13.5	40.74
Sania Purti	Lolala Purty	Mondapada	Danagadi			21 ⁰ 01'38.1"	85 ⁰ 59'27.9"	Yes	20:40:40		Devi	50 kg			18.8	13.5	39.25
Khushbu singh Jamula	Jaga Purti	Mondapada	Danagadi			21 ⁰ 01'33.8"	85 ⁰ 59'32.6"	Yes	20:40:40		Devi	50 kg			16.5	13.5	22.22
Sibani Purti	Mantu Munda	Mondapada	Danagadi			21 ⁰ 01'38.9"	85 ⁰ 59'27.9"	Yes	20:40:40		Devi	50 kg			18.1	13.5	34.07
Balema Kula	Bijay Mundri	Mondapada	Danagadi			21 ⁰ 01'35.3"	85 ⁰ 59'26.0"	Yes	20:40:40		Devi	50 kg			19.8	13.5	46.66
Jema Jamula	Jamra Munda	Mondapada	Danagadi			21 ⁰ 01'35.3"	85 ⁰ 59'25.2"	Yes	20:40:40		Devi	50 kg			16.2	13.5	20
Tulasi Mondal	Biswanath Jarida	Mondapada	Danagadi			21 ⁰ 01'33.5"	85 ⁰ 59'32.8"	Yes	20:40:40		Devi	50 kg			16.8	13.5	24.44
Kanoj Mondal	Subal Mondal	Mondapada	Danagadi			21 ⁰ 01'32.3"	85 ⁰ 59'30.0"	Yes	20:40:40		Devi	50 kg			19	13.5	40.74
Laxman Mondal	Balaram Mondal	Mondapada	Danagadi			21 ⁰ 01'33.5"	85 ⁰ 59'32.8"	Yes	20:40:40		Devi	50 kg			19	13.5	40.74
Surabhi Mondal	Laxman Mondol	Mondapada	Danagadi			21 ⁰ 01'33.5"	85 ⁰ 59'32.8"	Yes	20:40:40		Devi	50 kg			18.7	13.5	38.51
Sita Mondal	Balaram Mondal	Mondapada	Danagadi			21 ⁰ 01'33.4"	85 ⁰ 59'32.9"	Yes	20:40:40		Devi	50 kg			18.4	13.5	36.29
Kajal Mondal	Laxman Mondal	Mondapada	Danagadi			21 ⁰ 01'33.5"	85 ⁰ 59'32.8"	Yes	20:40:40		Devi	50 kg			16.2	13.5	20
Mangal Singh Munda	Dabar Munda	Mondapada	Danagadi			21 ⁰ 01'38.1"	85 ⁰ 59'27.9"	Yes	20:40:40		Devi	50 kg			18.2	13.5	34.81
Sajani Munda	Dabar Munda	Mondapada	Danagadi			21 ⁰ 01'35.4"	85 ⁰ 59'25.0"	Yes	20:40:40		Devi	50 kg			19	13.5	40.74

Raju Munda	Jabra Munda	Monda pada	Danag adi			21 ⁰ 01'31.7"	85 ⁰ 59'30.6"	Yes	20:40:40		Devi	50 kg			18.5	13.5	37.03
Lata Munda	Raju Munda	Monda pada	Danag adi			21 ⁰ 01'31.7"	85 ⁰ 59'30.6"	Yes	20:40:40		Devi	50 kg			18.3	13.5	35.55
Satrughn a Dehuri	Rama Dehuri	Monda pada	Danag adi			21 ⁰ 01'38.5"	85 ⁰ 59'45.3"	Yes	20:40:40		Devi	50 kg			18.7	13.5	38.51
Prafulla Mohanta	Thakur Mohanta	Monda pada	Danag adi			21 ⁰ 01'34.4"	85 ⁰ 59'35.3"	Yes	20:40:40		Devi	50 kg			18.2	13.5	34.81
Ramesh Chandra Naik	Raiter Nayak	Monda pada	Danag adi			21 ⁰ 01'34.5"	85 ⁰ 59'32.3"	Yes	20:40:40		Devi	50 kg			18.3	13.5	35.55
Lokanath Mohanta	Bidyadhar Mohanta	Monda pada	Danag adi			21 ⁰ 01'37.2"	85 ⁰ 59'33.9"	Yes	20:40:40		Devi	50 kg			18.4	13.5	36.29
Pankaj Kumar Dehuri	Rama Chandra Dehuri	Monda pada	Danag adi			21 ⁰ 01'36.2"	85 ⁰ 59'40.3"	Yes	20:40:40		Devi	50 kg			18.9	13.5	40
Pradip kumar Dehuri	Rama handra Dehuri	Monda pada	Danag adi			21 ⁰ 01'36.4"	85 ⁰ 59'36.3"	Yes	20:40:40		Devi	50 kg			19	13.5	40.74
Purna 49handra Pradhan	Amina Pradhan	Monda pada	Danag adi			21 ⁰ 01'39.4"	85 ⁰ 59'28.3"	Yes	20:40:40		Devi	50 kg			18.5	13.5	37.03
Trilochan Mohanta	Jagannath Mohanta	Monda pada	Danag adi			21 ⁰ 01'35.4"	85 ⁰ 59'26.7"	Yes	20:40:40		Devi	50 kg			18.2	13.5	34.81
Paresh Chandra Mohanta	Hemakant ha Mohanta	Monda pada	Danag adi			21 ⁰ 01'35.3"	85 ⁰ 59'25.0"	Yes	20:40:40		Devi	50 kg			18.5	13.5	37.03
Hemakanta Mohanta	Sambhunath Mohanta	Monda pada	Danag adi			21 ⁰ 01'32.1"	85 ⁰ 59'34.0"	Yes	20:40:40		Devi	50 kg			18.1	13.5	34.07
Sabita Puri	Sania Puri	Monda pada	Danag adi			21 ⁰ 01'35.3"	85 ⁰ 59'25.0"	Yes	20:40:40		Devi	50 kg			17.9	13.5	32.59
Kusun Mohanta	Bhadra Mohanta	Monda pada	Danag adi			21 ⁰ 01'44.1"	85 ⁰ 59'30.9"	Yes	20:40:40		Devi	50 kg			18.4	13.5	36.29
Giridhar i Mohanta	Bhadra Mohanta	Monda pada	Danag adi			21 ⁰ 01'44.3"	85 ⁰ 59'30.7"	Yes	20:40:40		Devi	50 kg			18.8	13.5	39.25
Pitambar Mohanta	Bhadra Mohanta	Monda pada	Danag adi			21 ⁰ 01'35.3"	85 ⁰ 59'26.0"	Yes	20:40:40		Devi	50 kg			18.6	13.5	37.77
Bidyadhar Mohanta	Narendra Mohanta	Monda pada	Danag adi			21 ⁰ 01'35.8"	85 ⁰ 59'28.7"	Yes	20:40:40		Devi	50 kg			18.1	13.5	34.07

Ratnakar Mohanta	Narendra Mohanta	Monda pada	Danag adi			21 ⁰ 01'34.8"	85 ⁰ 59'35.7"	Yes	20:40:40		Devi	50 kg			17.84	13.5	32.14
Kanas Mondal	Subasa Mondal	Monda pada	Danag adi			21 ⁰ 01'33.5"	85 ⁰ 59'32.8"	Yes	20:40:40		Devi	50 kg			18.2	13.5	34.81
Gananath Nayak	Baisnaba Nayak	Monda pada	Danag adi			21 ⁰ 01'32.5"	85 ⁰ 59'28.9"	Yes	20:40:40		Devi	50 kg			17.2	13.5	27.40
Bijay Mundri	Madhu Mundri	Monda pada	Danag adi			21 ⁰ 01'35.3"	85 ⁰ 59'25.0"	Yes	20:40:40		Devi	50 kg			19	13.5	40.74
Batan Munda	Madhu Munda	Monda pada	Danag adi			21 ⁰ 01'31.7"	85 ⁰ 59'30.6"	Yes	20:40:40		Devi	50 kg			18.4	13.5	36.29
Pravakar Ojha	Laxman Ojha	Monda pada	Danag adi			21 ⁰ 01'34.5"	85 ⁰ 59'28.7"	Yes	20:40:40		Devi	50 kg			19	13.5	40.74
Purandhar Mohanta	Amina Mohanta	Monda pada	Danag adi			21 ⁰ 01'35.9"	85 ⁰ 59'26.6"	Yes	20:40:40		Devi	50 kg			18.9	13.5	40
Jambera Munda	Madhu Munda	Monda pada	Danag adi			21 ⁰ 01'35.4"	85 ⁰ 59'26.6"	Yes	20:40:40		Devi	50 kg			19	13.5	40.74
Basudev Mohanta	Raghab Mohanta	Monda pada	Danag adi			21 ⁰ 01'35.3"	85 ⁰ 59'25.0"	Yes	20:40:40		Devi	50 kg			16.2	13.5	20

a) Crop2- Kharif Pulse (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		
Pramod kumar Patra	Dhira Patra	Kankadapala	Kankadapala			20 ⁰ 58'16.4'	85 ⁰ 48'17.7'	Yes	20:40:20	Improved management practices of Blackgram seeds var.PU-	PU-31	10.34			8.4	5.7	47.36

										31,seed treatment with vitavax (p)@2.5 gm/kg seed,seed inoculation with Rhizobium culture along with soil test based fertilizer & need based plant protection measures							
Babuli Patra	Ekadasi Patra	Kankadapala	Kankadapala			20°58'16.4"	85°48'17.7"	Yes	20:40:20		PU-31	10.34			6.5	5.7	14.03
Murali Parida	Kanhu Parida	Kankadapala	Kankadapala			20°58'16.4"	85°48'17.7"	Yes	20:40:20		PU-31	10.34			8.6	5.7	50.87
Jadumani PradJhan	Harihar Pradhan	Kankadapala	Kankadapala			20°58'16.5"	85°48'17.9"	Yes	20:40:20		PU-31	10.34			7.9	5.7	38.59
Ajay Sethi	Raja Sethi	Kankadapala	Kankadapala			20°58'16.5"	85°48'17.9"	Yes	20:40:20		PU-31	10.34			8.4	5.7	47.36
Madhbananda Pradha	Dasarathi Pradhan	Kankadapala	Kankadapala			20°58'16.5"	85°48'17.9"	Yes	20:40:20		PU-31	10.34			6.7	5.7	17.54
Ananta Sethi	Balaka Sethi	Kankadapala	Kankadapala			20°58'16.5"	85°48'17.9"	Yes	20:40:20		PU-31	10.34			8.6	5.7	50.87
Dhruba Parida	Nidhi Parida	Kankadapala	Kankadapala			20°58'16.5"	85°48'17.9"	Yes	20:40:20		PU-31	10.34			6.5	5.7	14.03
Gopal Parida	Brajabandhu Parida	Kankadapala	Kankadapala			20°58'16.1"	85°48'17.1"	Yes	20:40:20		PU-31	10.34			8.5	5.7	49.12
Pitabasa Parida	Budhi manta	Kankadapala	Kankadapala			20°58'16.1"	85°48'17.1"	Yes	20:40:20		PU-31	10.34			8.6	5.7	50.87

	Parida		a														
Maheswar Parida	Ananta Parida	Kankadapala	Kankadapala			20°58'16.5"	85°48'17.9"	Yes	20:40:20		PU-31	10.34			8.3	5.7	45.61
Babuli Parida	Ekadasi Parida	Kankadapala	Kankadapala			20°58'16.5"	85°48'17.9"	Yes	20:40:20		PU-31	10.34			8.2	5.7	43.85
Sulochana Sethi	Hari Sethi	Kankadapala	Kankadapala			20°58'16.5"	85°48'17.9"	Yes	20:40:20		PU-31	10.34			8.4	5.7	47.36
Sarat Chandra Nayak	Nidhi Nayak	Kankadapala	Kankadapala			20°58'14.4"	85°48'16.0"	Yes	20:40:20		PU-31	10.34			7.8	5.7	36.84
Budhimanta Nayak	Mati Nayak	Kankadapala	Kankadapala			20°58'16.7"	85°48'18.0"	Yes	20:40:20		PU-31	10.34			7.9	5.7	38.59
Haladhar Patra	Krushna Patra	Kankadapala	Kankadapala			20°58'16.7"	85°48'18.0"	Yes	20:40:20		PU-31	10.34			7.9	5.7	38.59
Duryodhan Nayak	Benudhar Nayak	Kankadapala	Kankadapala			20°58'16.7"	85°48'18.0"	Yes	20:40:20		PU-31	10.34			8.4	5.7	47.36
Alekh Nayak	Bhagaban Nayak	Kankadapala	Kankadapala			20°58'16.7"	85°48'18.0"	Yes	20:40:20		PU-31	10.34			8.4	5.7	47.36
Harihar Nayak	Krushna Nayak	Kankadapala	Kankadapala			20°58'16.6"	85°48'17.9"	Yes	20:40:20		PU-31	10.34			7.7	5.7	35.08
Chandramani Pradhan	Bhimsen Pradhan	Kankadapala	Kankadapala			20°58'14.4"	85°48'16.0"	Yes	20:40:20		PU-31	10.34			8.6	5.7	50.87
Krushna handra Patra	Bidyadhar Patra	Kankadapala	Kankadapala			20°58'16.5"	85°48'17.9"	Yes	20:40:20		PU-31	10.34			8.3	5.7	45.61
Madan Parida	Hari Parida	Kankadapala	Kankadapala			20°58'16.5"	85°48'17.9"	Yes	20:40:20		PU-31	10.34			8.2	5.7	43.85
Ajay Parida	Gopal Parida	Kankadapala	Kankadapala			20°58'16.5"	85°48'17.9"	Yes	20:40:20		PU-31	10.34			8.6	5.7	50.87
Umakanta Behera	Managobinda Behera	Kankadapala	Kankadapala			20°58'16.5"	85°48'17.9"	Yes	20:40:20		PU-31	10.34			7.8	5.7	36.84
Debendra Dash	Dayanidhi	Kankadapala	Kankadapala			20°58'16.5"	85°48'17.9"	Yes	20:40:20		PU-31	10.34			8.6	5.7	50.87

	Dash		a														
Gobinda ch Nayak	Benud har Nayak	Kankad apala	Kank adapal a			20°58'16.5"	85°48'17.9"	Yes	20:40:20		PU-31	10.34			7.9	5.7	38.59
Akshya Pradhan	Pranab andhu Pradha n	Kankad apala	Kank adapal a			20°58'16.5"	85°48'17.9"	Yes	20:40:20		PU-31	10.34			8.4	5.7	47.36
Prahallad Nayak	Mukul Nayak	Kankad apala	Kank adapal a			20°58'14.1"	85°48'15.0"	Yes	20:40:20		PU-31	10.34			8.6	5.7	50.87
Iswar Pradhan	Anant a Pradha n	Kankad apala	Kank adapal a			20°58'14.1"	85°48'15.0"	Yes	20:40:20		PU-31	10.34			8.5	5.7	49.12
Purna ch Sethi	Akul Sethi	Kankad apala	Kank adapal a			20°58'14.1"	85°48'15.0"	Yes	20:40:20		PU-31	10.34			7.9	5.7	38.59
Santosh Parida	Ranja n Parida	Kankad apala	Kank adapal a			20°58'14.1"	85°48'15.0"	Yes	20:40:20		PU-31	10.34			6.5	5.7	14.03
Rabindra Parida	Anant a Parida	Kankad apala	Kank adapal a			20°58'16.1"	85°48'17.1"	Yes	20:40:20		PU-31	10.34			8.6	5.7	50.87
Baidhar Nayak	Benud har Nayak	Kankad apala	Kank adapal a			20°58'16.1"	85°48'17.1"	Yes	20:40:20		PU-31	10.34			8.6	5.7	50.87
Surendra Samal	Barun Samal	Kankad apala	Kank adapal a			20°58'16.1"	85°48'17.1"	Yes	20:40:20		PU-31	10.34			8.6	5.7	50.87
Chandrama ni Nayak	Muku nda Nayak	Kankad apala	Kank adapal a			20°58'14.1"	85°48'15.0"	Yes	20:40:20		PU-31	10.34			7.9	5.7	38.59
Giridhari Parida	Naran Parida	Kankad apala	Kank adapal a			20°58'14.1"	85°48'15.0"	Yes	20:40:20		PU-31	10.34			8.5	5.7	49.12
Maheswar Nayak	Dasa Nayak	Kankad apala	Kank adapal a			20°58'14.1"	85°48'15.0"	Yes	20:40:20		PU-31	10.34			8.4	5.7	47.36
Prakash Parida	Chakr adhar Parida	Kankad apala	Kank adapal a			20°58'14.1"	85°48'15.0"	Yes	20:40:20		PU-31	10.34			7.7	5.7	35.08
Nityananda Parida	Udhab a Parida	Kankad apala	Kank adapal a			20°58'14.1"	85°48'15.0"	Yes	20:40:20		PU-31	10.34			8.6	5.7	50.87
Hadi Mahuku	Kali Mah	Kankad apala	Kank adapal			20°58'14.1"	85°48'15.0"	Yes	20:40:20		PU-31	10.34			6.7	5.7	17.54

d	akud		a														
Ramesh Nayak	Sanatan Naya k	Kankad apala	Kank adapal a			20 ⁰ 58' 14.1	85 ⁰ 48' 15.0	Yes	20:40:20		PU-31	10.34			7.2	5.7	26.31
Prafulla Nayak	Babaji Naya k	Kankad apala	Kank adapal a			20 ⁰ 58' 14.1	85 ⁰ 48' 15.0	Yes	20:40:20		PU-31	10.34			7.1	5.7	24.56
Babaji Samal	Shrikhar Samal	Kankad apala	Kank adapal a			20 ⁰ 58' 16.5	85 ⁰ 48' 17.9	Yes	20:40:20		PU-31	10.34			7.3	5.7	28.07
Bibekanda Samal	Gokul Samal	Kankad apala	Kank adapal a			20 ⁰ 58' 16.5	85 ⁰ 48' 17.9	Yes	20:40:20		PU-31	10.34			7.5	5.7	31.57
Chakradhar Samal	Shyama Naya k	Kankad apala	Kank adapal a			20 ⁰ 58' 16.5	85 ⁰ 48' 17.9	Yes	20:40:20		PU-31	10.34			8.2	5.7	43.85
Fakir Nayak	Gurucharan Naya k	Kankad apala	Kank adapal a			20 ⁰ 58' 16.1	85 ⁰ 48' 17.1	Yes	20:40:20		PU-31	10.34			6.9	5.7	21.05
Anirudha Nayak	Madhabananda Naya k	Kankad apala	Kankadapala			20 ⁰ 58' 16.1	85 ⁰ 48' 17.1	Yes	20:40:20		PU-31	10.34			6.5	5.7	14.03
Kalandich Nayak	Gobardhan Naya k	Kankad apala	Kank adapal a			20 ⁰ 58' 16.1	85 ⁰ 48' 17.1	Yes	20:40:20		PU-31	10.34			7.3	5.7	28.07
Prahallad Parida	Bhagaban Parid	Kankad apala	Kank adapal a			20 ⁰ 58' 16.5	85 ⁰ 48' 17.9	Yes	20:40:20		PU-31	10.34			7.5	5.7	31.57

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Santosh Patra	Pabitra Patra	Kankadapala	Kankadapala			20°58'16.5"	85°48'17.9"	Yes	20:40:20		PU-31	10.34			7.8	5.7	36.84
Siba Prasad Nayak	Dhaneswar Nayak	Kankadapala	Kankadapala			20°58'16.5"	85°48'17.9"	Yes	20:40:20		PU-31	10.34			8.1	5.7	42.10
Susisl Ku Patra	Santosh Patra	Kankadapala	Kankadapala			20°58'16.5"	85°48'17.9"	Yes	20:40:20		PU-31	10.34			6.8	5.7	19.29
Ganeswar Behera	Hadi Behera	Kankadapala	Kankadapala			20°58'16.1"	85°48'17.1"	Yes	20:40:20		PU-31	10.34			7.3	5.7	28.07
Rabi Samal	Baruna Samal	Kankadapala	Kankadapala			20°58'16.1"	85°48'17.1"	Yes	20:40:20		PU-31	10.34			6.5	5.7	14.03
Bhimasen Kar	Arakhit Kar	Kankadapala	Kankadapala			20°58'16.1"	85°48'17.1"	Yes	20:40:20		PU-31	10.34			6.8	5.7	19.29
Chahali Nayak	Achut Nayak	Kankadapala	Kankadapala			20°58'16.1"	85°48'17.1"	Yes	20:40:20		PU-31	10.34			6.7	5.7	17.54
Gobardhan Nayak	Sidhi Nayak	Kankadapala	Kankadapala			20°58'16.1"	85°48'17.1"	Yes	20:40:20		PU-31	10.34			7.2	5.7	26.31
Shyama Nayak	Bansidhar Nayak	Kankadapala	Kankadapala			20°58'16.1"	85°48'17.1"	Yes	20:40:20		PU-31	10.34			6.5	5.7	14.03

Technical Parameters: (Rabi Oil seed & Pulse 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	Groundnut Variety -Devi (Rabi, 2017-18)	TG-9	15.8	1400	1821	2200	Improved management practices of Groundnut variety Devi, Soil amendment with Gypsum@2.5 q/ha, seed treatment with vitavax(p)@2gm/kg seed, seed inoculation with Rhizobium culture@20 gm/kg seed along with soil test based fertilizer and need based plant protection measures (Chloropyrifos +Cypermethrine)	30	20	21.8	18.3	20.2	44.28	10.92	8.91
2	Greengram (Rabi 2017-18)	Jhain muga	5.3	315	434	1000	Improved management practices of Greengram seeds var. IPM-02-14 ,seed treatment with vitavax (p)@2.5 gm/kg seed,,seed inoculation with Rhizobium culture, PSB@5kg/ha, along with soil test based fertilizer, Application of post emergence herbicides Pendimethaline @1kg/ha & need	61	30	7.9	6.2	7.1	125.39	63.59	40.84

							based plant protection measures.(Installation of Yellow stick trap,Foliar spray of Biovita@1ml/lit, Borax@2gm/lit, Sulphur@4gm/lit,Thiomethoxam @5gm/15 lit of water,Carbendazim+Mancozeb @2gm/lit,&Chlorpyrifos+ Cypermethrine@ 2gm/lit of water.								
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J. 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	Improved management practices of Groundnut variety Devi, Soil amendment with Gypsum@2.5 q/ha, seed treatment with vitavax(p)@2gm/kg seed, seed inoculation with Rhizobium culture@20 gm/kg seed along with soil test based fertilizer and need based plant protection measures.(Chloropyriphos+ Cypermethrine)	35200/-	63200/-	28000/-	1.79	37500/-	80800/-	43300/-	2.15
2	Improved management practices of Greengram seeds var.IPM-02-14 ,seed treatment with vitavax (p)@2.5 gm/kg seed,,seed inoculation with Rhizobium culture,PSB@5kg/ha, along with soil test based fertilizer,Application of post emergence herbicides Pendimethaline@1kg/ha & need based plant protection measures.(Installation of Yellow Stick trap,Foliar spray of Biovita@1ml/lit,Borax@2g m/lit, Sulphur@4gm/lit,Thiometh oxam @5gm/15 lit of water,Carbendazim+Mancozeb @2gm/lit,&Chloropyriphos + Cypermethrine@2gm/lit of water.	15500	26500	11000	1.7	18900	35500	16600	1.9

K. 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/household)
1	Groundnut Variety- Devi	60600	1000	40/	600	100	For day today need	5
2	Greengram Variety-IPM-02-14	21300	400	5000/-	300	100	For day today need	4

L. 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	Improved management practices of Groundnut variety Devi, Soil amendment with Gypsum@2.5 q/ha, seed treatment with vitavax(p)@2gm/kg seed, seed inoculation with Rhizobium culture@20 gm/kg seed along with soil test based fertilizer and need based plant protection measures.(Chloropyriphos+Cypermethrine)	Yes	Yes	70%	No	Yes	Establishment of processing units for value addition.
2	Improved management practices of Greengram seeds var. IPM-02-14, seed treatment with vitavax (p)@2.5 gm/kg seed, seed inoculation with Rhizobium culture, PSB@5kg/ha, along with soil test based fertilizer, Application of post emergence herbicides Pendimethaline@1kg/ha & need based plant protection measures.(Installation of Yellow Stick trap, Foliar spray of Biovita@1ml/lit, Borax@2gm/lit, Sulphur@4gm/lit, Thiomethoxam @5gm/15 lit of water, Carbendazim+Mancozeb @2gm/lit, & Chloropyriphos+ Cypermethrine@2gm/lit of water	Yes	Yes	Yes	Less market demand by trader	Yes	Establishment of processing unit for value addition and awareness about line sowing.

M. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Groundnut var-Devi 90-95 days Duration.oil content-	Improved management practices of groundnut with var.Devi enhances	Improved management practices of groundnut with var.Devi enhances	Farmers are satisfied with the variety and technology.but problem

48%. INM,IPM	the pod yield 20.2 q/ha during Rabi.	the pod yield 27.84% over local check.	in marketing and processing facilities.
Variety IPM-02-14,75 days duration. INM & IPM	Improved management practices of Greengram with variety IPM-02-14 enhance the yield 7.1 Q/ha during Rabi.	Improved management practices of Greengram with variety IPM-02-14 enhance the yield 33.96% over farmer practices.	Farmers are satisfied with the variety and technology.

N. Extension activities under FLD conducted@Kharif, 2017)

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Field Day on groundnut	13.11.2017	50
2	Field Day on blackgram	2.11.2017	50

Extension activities under FLD conducted: (Rabi 2017-18)

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Training on INM in Groundnut	18.01.18,Dihakuransa	30
2	Field Day on groundnut	20.04.18,Dihakuransa	30
3	Training on INM in Greengram	16.2.18(Achyutpur)	30
4	Field Day on greengram	27.4.18 (Achyutpur)	30

O. Sequential good quality photographs (as per crop stages i.e. growth & development)**Rabi oil seed (groundnut)****Cluster demonstration on Rabi Groundnut var. Devi****Harvesting of groundnut by groundnut digger****Field Day on Groundnut**

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

Rabi pulse (Greengram)



**Cluster demonstration on Greengram var.
IPM-02-14**



**Cluster demonstration on Greengram var.
IPM-02-14**



Field day on Greengram var. IPM-02-14

.J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Groundnut (Rabi, 2017- 18)	i) Critical input(seed, chloropyriphos+ cypermethrin)		1,64,914/	
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)		4050/	
	iv)Publication of literature			
	Total		1,68,964/	

Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Green gram (Rabi 2017-18)	i) Critical input		2,04,604/	
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)		4050/	
	iv)Publication of literature			
	Total		208654/	

L. List of Farmer under FLD (Crop wise)
Crop1(Rabi- 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		
Anand Mallik	Madan Mallik	Dihak uransa	Rasulpur	9668426115		20°49'1.7"	86°10'35.7"	Yes	20:40:40	Improved management practices of Groundnut variety Devi, Soil amendment with Gypsum@2.5 q/ha, seed treatment with vitavax(p)@2gm/kg seed, seed inoculation with Rhizobium culture@20 gm/kg seed along with soil test based fertilizer and need based plant protection measures.(C	Devi	50 kg			19.32	15.8	22.23

										hloropyriph os+Cyperm ethrine)							
Laxmidh ar Rout	Biswamb ar Rout	Dihak uransa	Rasulp ur	993 8620 039		20 ⁰ 4'49.9"	86 ⁰ 10'24.5"	Yes	20:40:40		Devi	50 kg			21.8	15.8	37.97
Dillip Rout	Kushadw aja Rout	Dihak uransa	Rasulp ur	9178 9976 90		20 ⁰ 48'51.0"	86 ⁰ 10'25.5"	Yes	20:40:40		Devi	50 kg			18.4 3	15.8	16.64
Rashmir anjan Rout	Ekadasi Rout	Dihak uransa	Rasulp ur	9090 4944 07		20 ⁰ 48'51.0"	86 ⁰ 10'25.5"	Yes	20:40:40		Devi	50 kg			19.9 2	15.8	26.07
Niranjan Rout	Laxmidha r Rout	Dihak uransa	Rasulp ur	8658 5867 50		20 ⁰ 48'51.0"	86 ⁰ 10'25.5"	Yes	20:40:40		Devi	50 kg			20.4	15.8	29.11
Yudhisti ra Rout	Bhikari Rout	Dihak uransa	Rasulp ur			20 ⁰ 48'54.8"	86 ⁰ 10'29.0"	Yes	20:40:40		Devi	50 kg			19.8	15.8	25.31
Udaya Ku Rout	Naran Rout	Dihak uransa	Rasulp ur	9937 6662 70		20 ⁰ 48'55.1"	86 ⁰ 10'30.8"	Yes	20:40:40		Devi	50 kg			18.3	15.8	15.82
Karunak ar Rout	Pari Rout	Dihak uransa	Rasulp ur	7377 0466 14		20 ⁰ 48'55.1"	86 ⁰ 10'30.9"	Yes	20:40:40		Devi	50 kg			21.8	15.8	37.97
Suresh Rout	Biswamb er Rout	Dihak uransa	Rasulp ur	9937 1404 79		20 ⁰ 48'55.1"	86 ⁰ 10'30.9"	Yes	20:40:40		Devi	50 kg			20.7	15.8	31.01
Amulya Rout	Kushadw aja Rout	Dihak uransa	Rasulp ur	9777 4818 68		20 ⁰ 48'56.2"	86 ⁰ 10'30.8"	Yes	20:40:40		Devi	50 kg			19.8	15.8	25
Prafulla Rout	Kushadw aja Rout	Dihak uransa	Rasulp ur	9777 7057 744		20 ⁰ 48'54.7"	86 ⁰ 10'28.8"	Yes	20:40:40		Devi	50 kg			20.8	15.8	31.64
Pitabasa Rout	Abhiman yu Rout	Dihak uransa	Rasulp ur	8655 5887 8711		20 ⁰ 48'54.7"	86 ⁰ 10'28.8"	Yes	20:40:40		Devi	50 kg			19.7	15.8	24.68

Bijaya Rout	Gouranga Rout	Dihak uransa	Rasulpur			20°48'54.7"	86°10'28.8"	Yes	20:40:40		Devi	50 kg			19.5	15.8	23.41
Nilamani Das	Arata Das	Dihak uransa	Rasulpur	8658015670		20°49'1.9"	86°10'32.7"	Yes	20:40:40		Devi	50 kg			18.9	15.8	19.62
Prasanta Rout	Nabakishore Rout	Dihak uransa	Rasulpur	7077230210		20°48'54.7"	86°10'28.9"	Yes	20:40:40		Devi	50 kg			20.4	15.8	29.11
Abhimanyn Rout	Sukadev Rout	Dihak uransa	Rasulpur	8895544008		20°48'54.7"	86°10'28.9"	Yes	20:40:40		Devi	50 kg			20.9	15.8	32.27
Suresh Rout	G.Rout	Dihak uransa	Rasulpur	8763162948		20°48'47.8"	86°10'28.8"	Yes	20:40:40		Devi	50 kg			20.5	15.8	29.74
Ajaya Mallik	Jagabandhu Mallik	Dihak uransa	Rasulpur	9337141909		20°48'47.8"	86°10'28.8"	Yes	20:40:40		Devi	50 kg			21.7	15.8	37.34
Kasani Rout	Prasanta Rout	Dihak uransa	Rasulpur	9556938014		20°48'49.8"	86°10'24.1"	Yes	20:40:40		Devi	50 kg			19.6	15.8	24.05
Nilamani Rout	Bhikari Rout	Dihak uransa	Rasulpur	9777797987		20°48'45.5"	86°10'33.8"	Yes	20:40:40		Devi	50 kg			20.1	15.8	27.21
Santilata Rout	Laxmidhar Rout	Dihak uransa	Rasulpur	8637279090		20°48'45.5"	86°10'33.7"	Yes	20:40:40		Devi	50 kg			19.9	15.8	25.94
Ranjan Rout	Pitambar Rout	Dihak uransa	Rasulpur			20°49'1.2"	86°10'34.1"	Yes	20:40:40		Devi	50 kg			21.26	15.8	34.55
Madhusudan Rout	Panchanan Rout	Dihak uransa	Rasulpur	9937914917		20°48'45.6"	86°10'33.7"	Yes	20:40:40		Devi	50 kg			20.8	15.8	31.64
Basudev Mallik	Narayan Mallik	Dihak uransa	Rasulpur			20°49'1.1"	86°10'34.0"	Yes	20:40:40		Devi	50 kg			20.7	15.8	31.01
Satyanarayan Panda	Rajkishore Panda	Dihak uransa	Rasulpur			20°48'46"	86°10'33.6"	Yes	20:40:40		Devi	50 kg			20.8	15.8	31.64
Indrama	Anand	Dihak	Rasulpur	7894		20°48'49.1"	86°10'22.8"	Yes	20:40:40		Devi	50 kg			20.3	15.8	28.48

ni Dash	Dash	uransa	ur	3619 33													
Gitarani Rout	Basudev Rout	Dihak uransa	Rasulpur			20°48'45.7"	86°10'33.8"	Yes	20:40:40		Devi	50 kg			19.9	15.8	25.94
Sanjay Rout	Bidyadhar Rout	Dihak uransa	Rasulpur			20°48'45.7"	86°10'33.8"	Yes	20:40:40		Devi	50 kg			19.27	15.8	21.96
Santosh Rout	Kati Rout	Dihak uransa	Rasulpur			20°49'1.4"	86°10'33.8"	Yes	20:40:40		Devi	50 kg			19.8	15.8	25.31
Rangadhu Rout	Nabha Rout	Dihak uransa	Rasulpur	9937 5897 84		20°49'1.7"	86°10'34.2"	Yes	20:40:40		Devi	50 kg			20.9	15.8	32.27

b) Crop2- Rabi Pulse (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		
Kishorikanta Rout	Rankindhi Rout	Achyutpur	Dharma sala	9437 4119 77		20°45'43.1"	86°10'53.0"	Yes	20:40:20	Improved management practices of Greengram seeds	IPM-02-14	9.80			7.9	5.3	49.05
Saumyashree Dash	Haladhar Dash	Achyutpur	Dharma sala	8270 9270 50		20°45'43.1"	86°10'53.0"	Yes	20:40:20	var. IPM-02-14, seed treatment with vitavax (p)@2.5 gm/kg	IPM-02-14	9.80			7.3	5.3	37.73

									seed,,seed inoculation with Rhizobium culture,PSB @5kg/ha, along with soil test based fertilizer,App lication of post emergence herbicides Pendimethali ne@1kg/ha & need based plant protection measures.(In stallation of Yellow Stick trap,Foliar spray of Biovita@1ml /lit,Borax@2 gm/lit, Sulphur@4g m/lit,Thiome thoxam @5gm/15 lit of water,(Carbe ndezim+Man							
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										cozeb) @2gm/lit,&(Chloropyriphos+Cypermethrine)@2gm/lit of water.							
Sudhansu Lenka	Golmath Lenka	Achyutpur	Dharma sala	9853679631		20°45'43.1 "	86°10'53.0 "	Yes	20:40:20		IPM-02-14	9.80			7.1	5.3	33.96
Kabali Sethi	Sadhu Sethi	Achyutpur	Dharma sala	9438390412		20°45'43.1 "	86°10'53.0 "	Yes	20:40:20		IPM-02-14	9.80			6.8	5.3	28.30
Chabindra Lenka	Dasaratha Lenka	Achyutpur	Dharma sala	9438622468		20°45'43.1 "	86°10'53.0 "	Yes	20:40:20		IPM-02-14	9.80			7.7	5.3	45.28
Bairagi Rout	Satrug hna Rout	Achyutpur	Dharma sala	7684050441		20°45'44.9 "	86°10'48.2 "	Yes	20:40:20		IPM-02-14	9.80			6.8	5.3	28.30
Hari Gochayat	Bhagabata Gochayat	Achyutpur	Dharma sala			20°45'44.9 "	86°10'48.2 "	Yes	20:40:20		IPM-02-14	9.80			7.1	5.3	33.96
Umesh Satpathy	Sanatan Satpathy	Achyutpur	Dharma sala			20°45'44.9 "	86°10'48.2 "	Yes	20:40:20		IPM-02-14	9.80			6.2	5.3	16.98
Abhinas Satpathy	Pitabasa Satpathy	Achyutpur	Dharma sala			20°45'44.9 "	86°10'48.2 "	Yes	20:40:20		IPM-02-14	9.80			7.5	5.3	41.50
Alekha Sahu	Dukhi Sahu	Achyutpur	Dharma sala			20°45'44.9 "	86°10'48.2 "	Yes	20:40:20		IPM-02-14	9.80			7.7	5.3	45.28
Bikas Satpathy	Pitabasa Satpathy	Achyutpur	Dharma sala	9040242529		20°45'44.3 "	86°10'47.9 "	Yes	20:40:20		IPM-02-14	9.80			7.1	5.3	33.96

Murali Rout	Mayadhar Rout	Achyutpur	Dharma sala	9777 9055 86		20°45'44.3 "	86°10'47.9 "	Yes	20:40:20		IPM-02-14	9.80			6.8	5.3	28.30
Giridhari Rout	Babaji Rout	Achyutpur	Dharma sala	7504 2423 84		20°45'44.3 "	86°10'47.9 "	Yes	20:40:20		IPM-02-14	9.80			7.5	5.3	41.50
Babaji Mallik	Sanei Mallik	Achyutpur	Dharma sala	9658 5773 28		20°45'44.3 "	86°10'47.9 "	Yes	20:40:20		IPM-02-14	9.80			7.3	5.3	37.73
Arata Mallik	Babaji Mallik	Achyutpur	Dharma sala			20°45'44.3 "	86°10'47.9 "	Yes	20:40:20		IPM-02-14	9.80			7.1	5.3	33.96
Ramani Ranjan Rout	Madan Rout	Achyutpur	Dharma sala	9658 0212 20		20°45'44.2 "	86°10'48.0 "	Yes	20:40:20		IPM-02-14	12			7.7	5.3	45.28
Rabindra Rout	Ramachandra Rout	Achyutpur	Dharma sala			20°45'44.2 "	86°10'48.0 "	Yes	20:40:20		IPM-02-14	9.80			6.2	5.3	16.98
Bidyadhar Lenka	Chaityan Lenka	Achyutpur	Dharma sala			20°45'44.2 "	86°10'48.0 "	Yes	20:40:20		IPM-02-14	9.80			6.7	5.3	26.41
Ananta Lenka	Panu Lenka	Achyutpur	Dharma sala			20°45'44.2 "	86°10'48.0 "	Yes	20:40:20		IPM-02-14	9.80			7.2	5.3	35.84
Subrat Lenka	Panu Lenka	Achyutpur	Dharma sala			20°45'44.2 "	86°10'48.0 "	Yes	20:40:20		IPM-02-14	9.80			7	5.3	32.07
Achyut Lenka	Panu Lenka	Achyutpur	Dharma sala			20°45'43.7 "	86°10'47.9 "	Yes	20:40:20		IPM-02-14	9.80			7.2	5.3	35.84
Biswanath Lenka	Kulamani Lenka	Achyutpur	Dharma sala	9238 8113 49		20°45'43.7 "	86°10'47.9 "	Yes	20:40:20		IPM-02-14	9.80			7.5	5.3	41.50
Somanatha Lenka	Indramani Lenka	Achyutpur	Dharma sala	8895 3888 68		20°45'43.7 "	86°10'47.9 "	Yes	20:40:20		IPM-02-14	9.80			7.1	5.3	33.96
Ramesh Lenka	Babu Lenka	Achyutpur	Dharma sala	8895 0069 85		20°45'43.7 "	86°10'47.9 "	Yes	20:40:20		IPM-02-14	9.80			7	5.3	32.07
Pareswar Lenka	Babu Lenka	Achyutpur	Dharma sala			20°45'43.7 "	86°10'47.9 "	Yes	20:40:20		IPM-02-14	9.80			7.7	5.3	45.28

Sanatan Lenka	Babu Lenka	Achyutpur	Dharma sala	8763 0219 62		20°45'43.6 "	86°10'48.6 "	Yes	20:40:20		IPM-02-14	9.80			6.4	5.3	20.75
Abhimanyu Lenka	Narahari Lenka	Achyutpur	Dharma sala			20°45'43.6 "	86°10'48.6 "	Yes	20:40:20		IPM-02-14	9.80			7.1	5.3	33.96
Hemanta Swain	Baisnaba Swain	Achyutpur	Dharma sala	9937 8677 44		20°45'43.6 "	86°10'48.6 "	Yes	20:40:20		IPM-02-14	9.80			6.3	5.3	18.86
Bishnu Swain	Baisnaba Swain	Achyutpur	Dharma sala			20°45'43.6 "	86°10'48.6 "	Yes	20:40:20		IPM-02-14	9.80			7.5	5.3	41.50
Narayan Lenka	Paresh Lenka	Achyutpur	Dharma sala			20°45'43.6 "	86°10'48.6 "	Yes	20:40:20		IPM-02-14	9.80			6.2	5.3	16.98
Bijaya Swain	Basudev Swain	Achyutpur	Dharma sala	9556 1829 44		20°45'43.6 "	86°10'49.8 "	Yes	20:40:20		IPM-02-14	9.80			6.4	5.3	20.75
Balaram Satpathy	Keshaba Satpathy	Achyutpur	Dharma sala	9237 0190 47		20°45'43.6 "	86°10'49.8 "	Yes	20:40:20		IPM-02-14	9.80			7.1	5.3	33.96
Ananta Kumar Sahu	Kartika Sahu	Achyutpur	Dharma sala	8895 8746 60		20°45'43.6 "	86°10'49.8 "	Yes	20:40:20		IPM-02-14	9.80			6.5	5.3	22.64
Biranchi narayan Sahu	Rama Sahu	Achyutpur	Dharma sala	8658 1974 52		20°45'43.6 "	86°10'49.8 "	Yes	20:40:20		IPM-02-14	9.80			6.3	5.3	18.86
Debendra Das	Bama Das	Achyutpur	Dharma sala	7787 9591 74		20°45'43.3 "	86°10'49.8 "	Yes	20:40:20		IPM-02-14	9.80			7.2	5.3	35.84
Pradipta Das	Bama Das	Achyutpur	Dharma sala			20°45'43.3 "	86°10'49.8 "	Yes	20:40:20		IPM-02-14	9.80			7.1	5.3	33.96
Abhimanyu Das	Indramani Das	Achyutpur	Dharma sala			20°45'43.3 "	86°10'49.8 "	Yes	20:40:20		IPM-02-14	9.80			7.8	5.3	47.16
Amarendra Das	Indramani Das	Achyutpur	Dharma sala			20°45'43.3 "	86°10'49.8 "	Yes	20:40:20		IPM-02-14	9.80			7.3	5.3	37.73
Saroj Rout	Duryodhan	Achyutpur	Dharma sala			20°45'43.3 "	86°10'49.8 "	Yes	20:40:20		IPM-02-14	9.80			6.2	5.3	16.98

	Rout																
Nikunja Rout	Indra mani Rout	Achyutpur	Dharma sala			20°45'43.3 "	86°10'49.8 "	Yes	20:40:20		IPM-02-14	9.80			6.8	5.3	28.30
Debendra Barik	Ananta Barik	Achyutpur	Dharma sala			20°45'42.9 "	86°10'51.7 "	Yes	20:40:20		IPM-02-14	9.80			7.7	5.3	45.28
Shyam Sundar Barik	Braja Barik	Achyutpur	Dharma sala			20°45'42.9 "	86°10'51.7 "	Yes	20:40:20		IPM-02-14	9.80			7.8	5.3	47.16
Nimai Barik	Bhagaban Barik	Achyutpur	Dharma sala	9238 8197 80		20°45'42.9 "	86°10'51.7 "	Yes	20:40:20		IPM-02-14	9.80			7.4	5.3	39.62
Duryadhan Barik	Hari Barik	Achyutpur	Dharma sala	9178 1377 33		20°45'42.9 "	86°10'51.7 "	Yes	20:40:20		IPM-02-14	9.80			7.5	5.3	41.5
Kartika Biswal	Rama Biswal	Achyutpur	Dharma sala	9238 7303 47		20°45'42.9 "	86°10'51.7 "	Yes	20:40:20		IPM-02-14	9.80			6.8	5.3	28.30
Kapilendra Sethy	Natabar Sethy	Achyutpur	Dharma sala	8457 9234 25		20°45'42.7 "	86°10'52.8 "	Yes	20:40:20		IPM-02-14	9.80			6.3	5.3	18.86
Natabar Ojha	Kunjara Ojha	Achyutpur	Dharma sala			20°45'42.7 "	86°10'52.8 "	Yes	20:40:20		IPM-02-14	9.80			7.1	5.3	33.96
Anama Rout	Ghana Rout	Achyutpur	Dharma sala			20°45'42.7 "	86°10'52.8 "	Yes	20:40:20		IPM-02-14	9.80			7.4	5.3	39.62
Narayan Sahu	Bairagi	Achyutpur	Dharma sala	9238 7141		20°45'42.7 "	86°10'52.8 "	Yes	20:40:20		IPM-02-14	9.80			6.8	5.3	28.30

	Sahu			73													
Susanta Sahu	Baba ji Sahu	Achyutpur	Dharma sala			20°45'42.7 "	86°10'52.8 "	Yes	20:40:20		IPM-02-14	9.80			7.7	5.3	45.28
Prabhakar Rout	Ranka Rout	Achyutpur	Dharma sala	9853 5450 88		20°45'45.0 "	86°10'53.9 "	Yes	20:40:20		IPM-02-14	9.80			7.5	5.3	41.50
Shyamashundar Sethy	Hari Sethy	Achyutpur	Dharma sala			20°45'45.0 "	86°10'53.9 "	Yes	20:40:20		IPM-02-14	9.80			7.8	5.3	47.16
Nalini Kanta Rout	Rajkishore Rout	Achyutpur	Dharma sala	9437 8110 85		20°45'45.0 "	86°10'53.9 "	Yes	20:40:20		IPM-02-14	9.80			7.6	5.3	43.39
Banamali Rout	Kangali Rout	Achyutpur	Dharma sala	7873 8712 49		20°45'45.0 "	86°10'53.9 "	Yes	20:40:20		IPM-02-14	9.80			7.5	5.3	41.5
Duryadhan Pradhan	Lokanath Pradhan	Achyutpur	Dharma sala	9853 6789 73		20°45'45.0 "	86°10'54.0 "	Yes	20:40:20		IPM-02-14	9.80			6.8	5.3	28.30
Bipin Rout	Sanjay Rout	Achyutpur	Dharma sala			20°45'45.0 "	86°10'54.0 "	Yes	20:40:20		IPM-02-14	9.80			6.6	5.3	24.52
Kailash Satpathy	Santan Satpathy	Achyutpur	Dharma sala			20°45'45.0 "	86°10'54.0 "	Yes	20:40:20		IPM-02-14	9.80			7.1	5.3	33.96
Khunti Lenka	Aditya Lenka	Achyutpur	Dharma sala	9439 0446 80		20°45'45.0 "	86°10'54.0 "	Yes	20:40:20		IPM-02-14	9.80			7.5	5.3	41.50
Pratima Satpathy	Pitabasa Satpathy	Achyutpur	Dharma sala			20°45'45.0 "	86°10'54.0 "	Yes	20:40:20		IPM-02-14	9.80			6.9	5.3	30.18

Kabita Lenka	Bisw anat ha Lenk a	Achyutp ur	Dharma sala	9438 1251 96		20 ⁰ 45'45.0 ”	86 ⁰ 10'54.0 ”	Yes	20:40:20		IPM- 02-14	9.80			6.6	5.3	24.52
Jagaband hu Rout	Lax man Rout	Achyutp ur	Dharma sala	9437 4119 77		20 ⁰ 45'44.3 ”	86 ⁰ 10'47.9 ”	Yes	20:40:20		IPM- 02-14	9.80			7.3	5.3	37.73

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

A) Farmers and farm women (on campus) NA

[illegible]

[illegible]

[illegible]

iii. Rural Youth (on campus)

[illegible]

[illegible][illegible]

[illegible]

[illegible]

[illegible]

F) Extension Personnel (Off Campus)

[illegible]

i. Farmers & Farm Women

[illegible]

[illegible]

[illegible]

[illegible]

Thematic Area	No. of Cours es	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
XII. Others (Pl. Specify)													
TOTAL	41	525	264	789	137	33	170	13	53	66	675	350	1025

ii. RURAL YOUTH (On and Off Campus)

[illegible]

iii. Extension Personnel (On and Off Campus)

[illegible]

Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Others if any	2	25	24	49	-	1	1	-	-	-	25	25	50
TOTAL	4	63	33	96	2	2	4	-	-	-	67	35	100

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
Soil Sc.	F & FW	Green manuring in paddy	1	Off	25	-	25	-	-	-
	F & FW	Nitrogen management in paddy	1	Off	15	10	25	-	-	-
	F & FW	Technique of soil sample collection	1	Off	18	7	25		-	-
	F & FW	Herbicide application in oil seed crop	1	Off	25	-	25	10		10
	F & FW	Biofertilizer application in brinjal	1	Off	25	-	25	3		3
	F & FW	Technique of soil sample collection	1	Off	25	-	25	9	-	9
	F & FW	Acid soil management	1	Off	25	-	25	-	-	
Horticulture	F & FW	Cultivation technique of T.C Banana	1	Off	25	-	25	-	-	
	F & FW	Improved method of Seedling production technique	1	Off	25	-	25	8	-	8
	F & FW	Major diseases of solanaceous crops & their control measure	1	Off	25	-	25	8	-	8
	F & FW	Cultivation techniques of papaya	1	On	12	13	25	1	1	2
	F & FW	Bio-fertilizer application in brinjal	1	Off	25	-	25	3	-	3
	F & FW	Micro nutrient deficiency and tier control measure	1	Off	8	17	25	-	1	1

	F & FW	Production techniques of capsicum	1	Off	-	25	25	-	-	-
	F & FW	Production technique of vermicompost	1	Off	17	8	25	-	-	-
	F & FW	Production techniques of pointed gourd	1	Off	21	4	25	-	-	-
	IS	Hi-tech horticulture	1	On	16	9	25	2	1	3
Agril.Engg.	F & FW	Use of self propelled rice transplanter	1	Off						
	F & FW	Care and safety measure during operation of implements								
	F & FW	Use of multicrop seed cum fertilizer drill								
	F & FW	Utility of seed cum fertilizer drill								
	F & FW	Use of rotavator for dry ploughing								
	F & FW	Use of tractor drawn axial flow thresher								
	F & FW	Use of different weeders in rice								
	F & FW	Use of different small implements for farm women	1	Off						
	IS	Use of different improved machinery for rice cultivation								
Animal Sc.	F & FW	Fodder cultivation and its benefits in animal husbandry	1	Off	16	9	25	7	2	9
	F & FW	Herbal ingredients use in different diseases of livestock population	1	Off	10	15	25	4	2	6
	F & FW	Integrated farming system and its benefit	1	Off	17	8	25	9	2	11
	F & FW	Simple preparation for nutritious feeding to livestock	1	Off	20	5	25	11	1	12

		population								
	F & FW	Duck husbandry and its economical benefits	1	Off	22	3	25	5	-	5
	F & FW	Goat husbandry & economics	1	Off	18	7	25	9	2	11
	F & FW	Beneficial milk products and by products	1	Off	15	10	25	8	8	16
	F & FW	Routine veterinary intervention required for animal husbandry awareness for farmer & farm women	1	Off	20	5	25	13	2	15
	IS	Reproductive disorders and recent advance treatment procedure	1	Off	23	2	25	-	15	15
Women in Agriculture	F & FW	Preparation of squash and juice from mango	1	Off	-	25	25	-	-	-
	F & FW	Paddy straw mushroom cultivation	1	Off	-	25	25	-	3	3
	F & FW	Planning and layout of Nutritional garden	1	Off	-	25	25	-	3	3
	F & FW	Value addition in lemon & guava	1	Off	-	25	25	-	11	11
	F & FW	Care & management practices in backyard poultry rearing	1	Off	-	25	25	-	8	8
	F & FW	Preparation of low cost nutritious recipe from cereal & pulses	1	Off	-	-	-	-	25	25
	F & FW	Oyster mushroom cultivation	1	Off	-	25	25	-	10	10
	F & FW	Preparation of chips from colocasia & potato	1	Off	-	25	25	-	-	-
	IS	Use of women friendly implements for drudgery reduction of	1	On camus	-	25	25	-	1	1

farm women

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 elsewhere
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
vermicompost	Vermin culture	Quality vermin compost production technique	4	15	-	15	Vermicompost	6	8	5
Vegetable, fruit, flower	Planting material production	Planting material production technique	4	10	-	10	Vegetable nursery	1	1	2
Tractor	Farm mechanization	Operational and maintenance of tractor	4	10	-	10				
Fish feed	Small scale processing	Fish silage preparation technology demonstration to enhance poultry nutrition	4	15	-	15	Fish feed unit	1	3	-
Azolla	Production of organic input	Azolla Cultivation in Sialopolythene tarpolene pond	4	-	15	15	Azolla unit	6	12	-
Mushroom spawn	Seed production	Mushroom Spawn production technique	4	8	6	15	Spawn production unit	2	10	1
Fruits & vegetable	Value addition	Value addition of fruits and vegetable (sauce, mushroom pickle, papaya jam, squash)	4	-	10	10	Processing unit	3	12	-

*training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

S l. No	Title	Them atic area	Mo nth	Dura tion (day s)	Cli ent	No. of cour ses	No. of Participants										Sponsorin g Agency
					PF/ RY /EF		Male			Female			Total				
							Other s	SC	S T	Othe rs	SC	ST	Oth ers	SC	ST	To tal	
1.	Manu factur e of Jute handi crafts	Rural crafts	No ve mb er	5	RY	1	-	-	-	20	-	-	20	-	-	20	NIRJAFT, Kolkata
2.	Tract or operat or	Repai r 7 maint enanc e of tracto r	Ma rch	25	RY	1	20	-	-	-	-	-	20	-	-	20	ASCI (Agricultu re skill Council of India)

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	12	186	99	285	15	8	7	15	294	106	300
KisanMela	3	501	320	821	10	18	11	29	519	331	850
KisanGhosthi	3	75	-	75	14	-	-	-	75	-	75
Exhibition	8	2831	264	3095	21	21	18	39	2852	282	3134
Film Show	13	450	175	625	8	-	-	-	450	175	625
Method Demonstrations	5	40	160	200	13	8	2	10	48	170	210
Farmers Seminar	-	-	-	-	-	-	-	-	-	-	-
Workshop	-	-	-	-	-	-	-	-	-	-	-
Group meetings	4	75	25	100	5	-	-	-	75	25	100
Lectures delivered as resource persons	25	435	179	614	10	12	8	10	447	187	634
Advisory Services	78	18025	4975	23000							23000
Scientific visit to farmers field	950	2229	1025	3254	15	-	-	-	2229	1025	3254
Farmers visit to KVK	1425	1069	356	1425	12	-	-	-	1069	356	1425
Diagnostic visits											
Exposure visits	5	86	15	101	4	70	4	74	156	19	175
Ex-trainees Sammelan	1	10	15	25	6	-	-		10	15	25

Soil health Camp	-	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	2	22	10	32	5	6	-	6			38
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	2	168	-	168	5	12	-	12	180	-	180
Self Help Group Conveners meetings	1	-	30	-	2	-	-	-	-	30	30
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Celebration of important days (specify)											
Sankalp Se Siddhi	1	300	40	325	15%	40	20	60	340	60	400
Swatchta Hi Sewa	14	196	61	257	12%	15	8	23	211	69	280
Mahila Kisan Divas	1	-	28	28		2	-	2	2	28	30
Any Other (Specify)											
Total											

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	7
Radio talks	4
TV talks	39
Popular articles	6
Extension Literature	-
Other, if any	

3.5 a. Production and supply of Technological products

Village seed- Nil

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	Pooja	120.2 qtl.	3,54,492 (Approx.)	-
paddy	Swarna sub-1	34.6 qtl.		-
Pulse (Greengram)	IPM-02-03	2 qtl.	8000	-
Grand Total		156.8 qtl.	3,62,492 (Approx.)	

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				
Cabbage				
Tomato	BT-136	2000 nos.	5000	12
Brinjal	H-1322	3000 nos.	3000	10
Chilli	Daiya-619	1000 nos.	1000	20
Onion	Agri found light red	50,000 nos.	5000	5
Others (capsicum)	California wonder	5000 nos.	5000	15
Fruits				
Mango				
Guava				
Lime				
Papaya				
Banana				
Others				
Ornamental plants				
Medicinal and Aromatic				
Plantation				
Spices				
Turmeric				
Tuber				
Elephant yams				
Fodder crop saplings				
Forest Species				
Others, pl.specify				
Total				

Production of Bio-Products NA

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

Production of livestock materials :

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Small ruminants				
Sheep				
Goat				
Other, please specify				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)	Pallisree, aseel, rainbow rooster	1249	82956	35
Japanese Quail				
Turkey				
Emu				
Ducks	White pekin	309	24720	15
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl. specify)				
Fisheries				
Indian carp				
Exotic carp				
Mixed carp				
Fish fingerlings				
Spawn				
Others (Pl. specify)				
Grand Total		1558	1,07,676	50

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

i) Name of Seed Hub Centre: NA

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 (Qtls)	Category of Seed (F/S, C/S)
Kharif 2017						
Rabi 2017-18						
Summer/Spring 2018						

iii) Financial Progress

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

iv) Infrastructure Development : NA

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	Economic Empowerment of rural women through SHGs in Jajpur district of Odisha	Dharitri Patra Gayatri Biswal		Asian Journal of Home science Vol-12, issue-2, Dec-2017, Pg-421-426.
	Impact of small implements demonstration on farm women of Jajpur district	Bijayalaxmi Mohanta Dharitri Patra Dr. (Mrs.) T. Pattnaik		Odisha journal of Extension Education Bhubaneswar.

				December 2017
	Empowerment of farm women through local specific drudgery reduction technology in Agriculture-A case study of KVK of Odisha	Sumita Achrya Dharitri Patra Saswati Pattnaik Lopamudra Ray		International Journal of Reserches in Bio science, Agriculture and technology Vol-6, Issue-1, Jan-2018 Pg-274-282
Seminar/conference/ symposia papers	ICT Application – A potential tool for weather and climate information for small farmers of rural Agricultural community.	Dharitri Patra Dr. (Mrs.) T. Pattnaik Babita Mishra Dr. A.K Das		1 st International Extension Congress 2018 on new horizon of Extension-changllages, opportunity and preparedness Feb1-3, 2018 , Bhubaneswar
Books				
Bulletins	Use of seed cum fertilizer drill, commercial flower cultivation, mushroom spawn production technique, backyard poultry rearing	-	4	2000
News letter	Sabuja Swapna	Dr. (Mrs.) T. Pattnaik Dr. B.L Mohanta S. Dash Dharitri Patra Babita Mishra Dr. A.K Das	4	2000
Popular Articles	-	-	6	-
Book Chapter				
Extension Pamphlets/ literature			4	2000
Technical reports	-	-	12	-
Electronic Publication (CD/DVD etc)	-	-	-	-
TOTAL			30	6000

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 cum “Principles and practice of management	“Principles and practice of management	Dr. (Mrs.) T. Pattnaik Senior Scientist & Head	05.01.2018 To 09.01.2018 (5 days)	DEE, OUAT, BBSR
2.	Training cum Refresher Course	Refresher Course	Mr. S. Dash, Scientist (Soil Sc.) Dr. B. Mohanta, Scientist (Agril. Engg.) Mr. B. C Swain Farm Manager	30.01.2018(1 days)	ICAR, ATARI, Kolkata
			Dr. A.K Das PA (Animal Sc.)	3.02.2018 (1 days)	
			Mrs. D. Patra Scientist (Home Sc.)	6.02.2018 (1 days)	
3.	Cutting edge technology for horticultural crops under climate change scenario	Cutting edge technology for horticultural crops under climate change scenario	Mrs. B. Mishra Scientist (Horticulture)	20.11.2017 to 22.11.2017 (3 days)	DEE, OUAT, BBSR
4.	TOT programme on tractor Opeartor at IGKV, Raipur	tractor Opeartor	Dr. B. Mohanta Scientist (Agril. Engg.)	3.01.2018 to 6.01.2018	ASCI

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

Name of farmer	Mr. Bibhudutta Samal
Address	AT- Sananoonpur, PO-Jhalapada, PS- Jajpur, , Block- Jajpur, District- Jajpur, PIN- 755055,
Contact details (Phone, mobile, email Id)	phone Number- 7873026719
Landholdi ng (in ha.)	1.6 ha
Name and descriptio n of the farm/ enterprise	INTEGRATED FARMING SYSTEM: He has one half acre pond and surrounded to it a land of 4 acre. He has stocked fish fingerlings of Indian Major Carps (Rohu, Mrigal and Catla) of 2500 numbers in the ratio 2:2:1 in the pond and constructed thatched bamboo pen for ducks. He has kept 200 numbers of Khaki Campbell ducks which are layer type ducks. Two free range arenas for ducks and chickens were made in the pond dyke. He has kept four numbers of Binjharpuri cows, two calves and 20 numbers of Black Bengal goats. The shelter sheds for the animals has been made also in the pond dyke. Chicks and ducks are only maintained by organic feed and goats as well as cows are maintained by free pasturing activity. Leaves of Eichhornia crassipes, a destructive hydrophyte in chopped manner are fed to the chicks and ducks. Home kitchen waste and vegetable market leftovers are also fed to the chickens and ducks. Fish are only maintained by the duck litter, cow dung and chicken litters.

Economic impact	Type of Enterprise	Area/ Nos	Expenditure(Rs)/ 3 months	Gross Income / 3 months	
	Duckery (14 days old)	200	9000	45912 (both meat & egg)	
	Poultry (14 days old)	250 nos.	10000	91604 (both meat & egg)	
	Goatery (Black bengal)	20 nos.	40000	28000	
	Dairy (Binjharpuri)	4 nos & 2 calfs	50000	11520	
	Pisciculture			10140	
	Total		1,09,000	2,37,176	
Social impact	He is the centre of attraction for all media personnel who are broadcasting the agriculture and allied activities for benefit of farming community. This attracts many neighbor farmers and non-farmers to take a decision to do a farming activity like him. Many farmers through him have contacted K.V.K, Jajpur for purchase of chicks, ducklings and goats				
Environmental impact	He inspires many of his friend circles for cleaning of stagnant pond and feed those materials to animals as well as birds to lessen the cost in feeding with simultaneous achievement of swachhata in the peripheral environment				
Horizontal / Vertical spread	These itself endures great success for K.V.K, Jajpur through a successful farmer. He received award from Hon'ble Agriculture Minister, Sri. Radha Mohan Singh on the occasion of 18th Foundation Day of ICAR-RCER at Patna on 22.02.2018				

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

Farmer's details:-

Name- Mr. Banamali Rout

Address:- At- Digambarpur

PO- Dharmasala

PS- Dharmasala

Block- Dharmasala, Dist- Jajpur

PIN- 755008, Mob: 9090358272

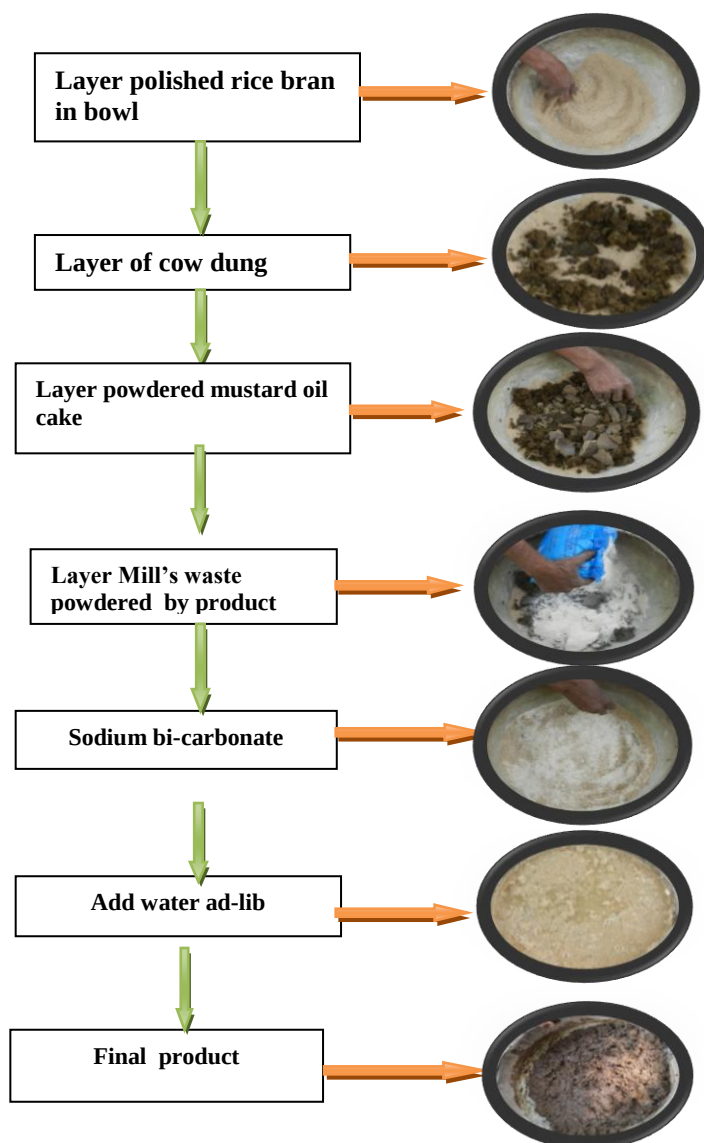


Title of Innovation:- “NUTRIFLAV-BR”- FLAVOURED FISH FEED

Methodology of preparation of “NUTRIFLAV-BR”:-

- Take a bowl (plastic/steel) & place a layer of polished rice bran spreaded.
- Layer above it cow dung (fresh cow dung/4-5 days old cow dung as per availability) , then stack a layer of powdered mustard oil cake , subsequently one layer of any mills waste like (rice/dal/sattu mill's powdered waste) in dust or powder form & at last top layer with sodium bi-carbonate (NaHCO_3).
- At last if space is left inside the bowl, then cascade layering will start from polished rice bran again.
- Each layer is 6” thick & at last fresh and clean water is added ad-lib to the layered materials.
- This soaked content will be left covered at one shady place for 5-6 days till it gets dry and hard.
- Dried & hard content is taken out, powdered by thrashing 7 again some quantity of water is added to prepare the readymade feed for fish.

FLOW CHART OF METHODOLOGY

**Process involved in the use of the innovation:-**

Fresh product or water soaked powdered mix product can be given in silver tub /Bamboo basket/ plastic tub near one shallow corner or bay of the pond for use as fish feed. [20 kg Nutriflav-BR/4000 fish fingerlings/day]

Relative Advantage:-

- Commercial fish feed cost is Rs. 35/- per kg , but this indigenous prepared feed cost is Rs. 9/- only four times less cost than commercial feed.
- Harvest quantity is good with good quantity feeding as cost of feed is low. 48 qtl. feed was expended through harvest of 12 qtl. fish.
- Net profit is 6 times more by using this indigenously prepared feed.
- Easily available raw material with simple way of preparation spares the labour cost. It is the simple, cheapest & readymade feed for fish.



All ingredients of Nutriflav -BR



Fresh feed



Powdered Fresh feed



Application of fish feed

- 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)- NA

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)
1	Vermicompost unit	5	18 qtl.	26	Y

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

PRA Survey, group discussion with farmers & Govt. Officials, Diagnostic field visit

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

Sl. No	Name of the Equipment	Qty.
1	Nitrogen analyzer	1
2	PH meter	1
3	Hot were oven	1
4	Spectro photo meter	1
5	EC	1
6	Flame photometer	1
7	Electronic Balance	1
8	Stabilizer	1
9	Rotary flask shaker	1
10	Flame photometer	1
11	Quartzcuvette	1
12	Mini Soil kit	2

- 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			
738	213	951	951	15	

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 benefited
1	Celebration of World Soil Day	400	4	- Sj. Ranjan Ku. Das, Collector cum District Magistrate - Sj. Ashok Samal, Representative of DI Kisan Channel S. Brajagopal Achrya, PD, DRDA Jajpur - Sj. Brajabandhu Bhol, ADM Jajpur	350	373

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

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
Technological week celebration Method demonstration on Combine Harvester Awareness programme on organic farming	2	25	Mushroom, combine harvester for paddy harvesting
Field visit to Groundnut field & Potato field Field day on Marigold cultivation Exposure visit to Sankar Nursery Awareness programme on organic farming	2	25	Marigold, potato , groundnut
Awareness programme on organic farming by using Animal waste(Method demonstration) Animal Health camp	2	38	Cow and Goat
Vaccination in poultry bird	1	25	Poultry bird

3.14. RAWE/ FET programme - is KVK involved? (Y/N)- NO

No of student trained	No of days stayed
	nil
ARS trainees trained	No of days stayed

Nil	Nil
-----	-----

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

Date	Name of the person	Purpose of visit
27.07.2017	Dr. S.K Mandal, Principal Scientist, IACR-ATARI, Kolkata	Attended SAC meeting
8.08.2017	Prof. P.K Roul, DEE, OUAT, BBSR	Visit to KVK, Jajpur
30.08.2017	Dr. S.S Singh, Director of ICAR-ATARI, Kolkata	Attended the Sankalp Se Sidhhi Programme
11.11.2017	Dr. S.S Singh, Director of ICAR-ATARI, Kolkata	Visit to KVK, Jajpur

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)
Demonstration on onion var. Agrifound light red	5	52	42,600	72,300
Integrated management practices for management of stem borer in paddy	5	65	18,100	30,100
Demonstration on groundnut var. Devi	5	73	19,200	37,700
Demonstration of paddy straw mushroom	10	68	Rs. 500/10 nos bed	Rs. 760/- per 10 nos.bed (net profit)
Application of Sulphur in groundnut	5	56	34400/ha	50,775/ha
Demonstration on Oyster mushroom <i>H. ulmarius</i>	10	78	647/10 bag (net profit)	Rs. 1100/- per 10 bag (net profit)
Improved variety Rainbow rooster rearing	5	65	1680	4080
Tractor operated seed cum fertilizer drill for sowing groundnut	5	42	42389/ha	53239/ha
Tractor operated axial flow thresher for threshing paddy	5	45	26050/ha	28290/ha

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
Integrated management practices for management of stem borer in paddy	18,500ha
Application of Sulphur in groundnut	12000 ha
Demonstration of paddy straw mushroom	67 villages
Tractor operated seed cum fertilizer drill for sowing groundnut	4000ha
Tractor operated axial flow thresher for threshing paddy	10000ha

Improved variety Rainbow rooster rearing	210 unit
Demonstration on onion var. Agrifound light red	128ha

Give information in the same format as in case studies

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

Sl.no	Name of the Technology	Brief Details of Technology	Net return to the farmer (Rs.) per annum due to the technology	No of farmers adopted the technology in the district
1	Demonstration of pre limed FYM inoculated with Biofertilizer in Cauliflower	• Application of 5kg of lime mixed with 100kg of FYM • Inoculated with 3kg of azotobacter, 3kg PSB & 3kg azospirillum with soil test based fertiliser • Yield increase 28%	63,850/ha	220
2	Demonstration on pointed gourd var. swarn Alaukik in triangular taking system	• High yielding, potential yield (220-260 qtl/ha) • Light green thin skin, fruit length 8-10 cm, 2-3 fruits/node • Good test and cooking quality • High market value • Planting ratio female: male (9:1)	1,42,280/ha	120
3	Cultivation of potato var. Kufri Surya	• Early maturing 75 days, heat tolerant, white smooth skin pale yellow fles yield excellent • Seed treatment with Dithane M-45 @GM/lit • Recommended dose of fertiliser 180:80:110kg NPK/ha • Spraying Ridomil M-Z @2gm /lit water for controlling wilting	77,294/ha	160
4	Demonstration on use of tractor drawn rotavator	• Field capacity 0.4ha/hr • Puddling index about 62% in single pass • Less fuel consumption for puddling operation.	26940/ha	20000
5	Demonstration on use of combine harvester	• Field capacity 0.4 ha/hr • Harvesting and threshing can be done at a time • About 43 mandays is saved /ha	33,200/ha	25000
6	Cultivation of paddy straw mushroom variety OSM-11	• Maintenance of temperature • Disinfection of mushroom with formalin @1ml/lit • Packaging in plastic punnets for market linkage	760/unit (10 nos. bed)	1800
7	Demonstration of Oyster mushroom variety Hypsizygus ulmarius	• Improved management practices • Value addition of pickle, mushroom soup powder • Market linkage	1100/10 bag	1500

4.4. Details of innovations recorded by the KVK

Thematic area	
Name of the Innovation	NUTRIFLAV-BR”- FLAVOURED FISH FEED
Details of Innovator	Name- Mr. Banamali Rout Address:- At- Digambarpur PO- Dharmasala PS- Dharmasala Block- Dharmasala, Dist- Jajpur PIN- 755008, Mob: 9090358272
Back ground of innovation	He has a pisciculture unit but feed cost was very high. so, he tried to develop a low cost fish feed.
Technology details	➤ Take a bowl (plastic/steel) & place a layer of polished rice bran spreaded. ➤ Layer above it cow dung (fresh cow dung/4-5 days old cow dung as per availability) , then stack a layer of powdered mustard oil cake , subsequently one layer of any mills waste like (rice/dal/sattu mill’s powdered waste) in dust or powder form & at last top layer with sodium bi-carbonate (NaHCO_3). ➤ At last if space is left inside the bowl, then cascade layering will start from polished rice bran again. ➤ Each layer is 6” thick & at last fresh and clean water is added ad-lib to the layered materials. ➤ This soaked content will be left covered at one shady place for 5-6 days till it gets dry and hard. ➤ Dried & hard content is taken out, powdered by thrashing & again some quantity of water is added to prepare the readymade feed for fish. Fresh product or water soaked powdered mix product can be given in silver tub /Bamboo basket/ plastic tub near one shallow corner or bay of the pond for use as fish feed. [20 kg Nutriflav-BR/4000 fish fingerlings/day]
Practical utility of innovation	

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	IFS
Name & complete address of the entrepreneur	Sri Kishore Chandra Rout village-Hatakaranda, Barchana, Jajpur
Role of KVK with quantitative data support:	Training by KVK Jajpur, method demonstration by KVK Scientist, pond based farming system, monitoring and feed back,
Timeline of the entrepreneurship development	2 yrs
Technical Components of the Enterprise	Pisciculture Fish spawn production poultry Paddy(Kharif) Greengram(Rabi) Banana
Status of entrepreneur before and after the enterprise	He was practising only paddy cultivation and his earning was very low to meet the family requirement. Now he is getting Rs88900/- as net income annually.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	He has initially started only with pisciculture but now he is doing spawn production too. He has generated 960 mandays.
Horizontal spread of enterprise	Five no. of IFS units have been developed.

Entrepreneurship development	
Name of the enterprise	IFS
Name & complete address of the entrepreneur	Mr. Bibhudutta Samal (AT- Sananoonpur, PO-Jhalapada, PS- Jajpur, Via- Brahmabarada, Block- Jajpur, District- Jajpur, PIN- 755055, Phone Number- 7873026719)
Role of KVK with quantitative data support:	Training by KVK Jajpur, method demonstration by KVK Scientist, pond based farming system, monitoring and feed back,
Timeline of the entrepreneurship development	8 months
Technical Components of the Enterprise	Pisciculture, goatery, dairy, poultry unit
Status of entrepreneur before and after the enterprise	Mr. Bibhudutta Samal was professionally banker (HDFC bank), but only to progress in farming sector he left the job. He has a 4 acre land and one half acre pond, but he could not take decision to take up what kind of farming. He contacted with Animal Scientist of K.V.K, Jajpur and got complete knowledge about integrated farming system. Knowledge on Colour bird farming, organic animal husbandry, free range animal as well as poultry husbandry, benefits of

	integrated farming system, marketing principles and waste of environment as feed of animal as well as bird were deciphered by Animal Scientist through repeated contact. K.V.K, Jajpur organized one farmer and farm women training programme in his village on “Duck Husbandry and its economical benefits” and he got more inspiration out of this. Chhabro chicks, Khaki Campbell ducks and Black Bengal goats were purchased by him from K.V.K, Jajpur. Day to day management and husbandry problems has been in discussion with Animal Scientist, K.V.K, Jajpur. He was insisted for organic raising of animals and poultry, and free range foraging style husbandry for all. He is still maintaining the chickens, ducks, cattle and goats through free range foraging mode. A new idea of feeding one devastative hydrophyte <i>Eichhornia crassipes</i> leaves by Animal Scientist, K.V.K, Jajpur added a new feather to its success throne. Marketing techniques of duck meat and egg, chicken meat and egg, castrated male goat, female goats and cow milk were learnt by him from Animal Scientist, K.V.K, Jajpur
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	He is getting Rs 748704/- per annum from his enterprise. Economically the unit is viable.
Horizontal spread of enterprise	Farmers of nearby villages are interested for taking up IFS unit.

4.6. Any other initiative taken by the KVK- NA

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Orissa University of Agriculture and Technology	Technical support and guidance
Department of Agriculture and food production	Joint Field visit during disease and pest problem
Department of Animal husbandry	Organization of Animal health camp
Department of Horticulture	Joint field visit
ATMA	Conduction of farmers scientist interaction program
NABARD	Linking the entrepreneurs to NABARD for financial support
IFFCO	Working jointly for farmers.
OLM	Linking the entrepreneurs to OLM

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- NA

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.)
Farmers scientist interaction program	Interaction and problem identification of farmers	12.01.18 24.03.18	ATMA	32400

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.									
2.									
3.									
4.									
5.									
6.									
7.									
	Total								

6.2. Performance of Instructional Farm (Crops)

[illegible]

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

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

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Poultry	Pallisree, Aseel, Rainbow rooster	chicks	1249 nos.	89,730	1,07,676	
	Ducklings	White pekin		199 nos.			
2.	Others (Mushroom spawn)	Oyster mushroom, Paddy straw mushroom	Mushroom spawn	900 bottle	9600	12600	
3.	Paddy straw mushroom	P.Sajorcaju	Mushroom production	1 qtl.	3400	10,000	
4	Oyster mushroom	H. Ulmarius	Mushroom production	2 qtl.	2500	10,000	

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)
23.10.17 to 26.10.17	15	4	
27.10.17 to 31.10.17	10	4	
28.11.17 to 1.12.17	10	4	
27.11.17 to 30.11.17	15	4	
17.01.18 to 20.01.18	15	4	
6.3.18 to 31.3.18	20	25	
Total :	85	45	

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed:

No. of staffquarters: 1

Date of completion:

Occupancy details: Staff quarter for Sr. Scientist and Head is only available

Months	Q I	QII	Q III	QIV	Q V	QVI
June, 2012						

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Current	SBI, Chandikhole	Chandikhole, Jajpur	11016309099
Saving	SBI, Chandikhole	Chandikhole, Jajpur	32039806804

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

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	
Oil seeds	197300	85,000	199216	82015	-

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st April 2013
	Kharif	Rabi	Kharif	Rabi	
Pulse			1,39,775	1,42,123	-
Remuneration of technical agent				24,194	-

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances			
2	Traveling allowances	1,20,000	1,20,000	1,20,000
3	Contingencies	14,00,000	13,98,800	12,24,824
A				
B	Sankalp se Sidhhi	78800	65230	13570
C	Skill training	197,200	1,89,275	7925
D	Cluster (Oil seed)	1,97,300	1,97,300	
E	Cluster (Blackgram)	2,25,000	2,23,800	
F	CFLD	35,000	35,000	
G	(Cluster pulse & oil seed)	1,70,000	85,000	
H	Total cluster		5,41,100	5,87,323 loan from other source
I				
J	Swatchta Expenditure			
TOTAL (A)				
B. Non-Recurring Contingencies				
1	Purchase of equipments	3,00,000	3,00,000	2,98,527
2				
3				
4				
TOTAL (B)		3,00,000	3,00,000	2,98,527
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 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2015-16	367510	247093	503650	
2016-17	60953	713367	506903	
2017-18	0	521768	362774	Nil

7.6. (i) Number of SHGs formed by KVKs- 22

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

Skill training, demonstration
(iii) Details of marketing channels created for the SHGs : 7

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both
Animal health camp	1	Rabi	Dept. of Animal Husbandary		
World food day	1	Kharif	Dept. of Agriculture and Food production		

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 YuvaKendra(NYK) Training : NA

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
Nil	Nil	Nil	Nil	

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

Type of message	No. of messages	No. of farmers covered
Crop	45	23000
Livestock	7	23000
Fishery	-	23000
Weather	6	23000
Marketing	-	23000
Awareness	8	23000
Training information		23000
Other	12	23000
Total	78	23000

9.4. KVK Portal and Mobile App- Nil

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	
2.	No. of farmers registered in the portal	
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
15.09.2017	A cleaning event through sweeping of village entrance road way was carried out at KVK , Jajpur adopted village- Dihakuransha, Block- Rasulpur
16.09.2017	Swachhata Hi Seva programme a cleaning programme at adopted village - Sansilo, Block- Sukinda, Jajpur, was organized. Sr. scientist & Head along with Scientists and staff of KVK cleaned off the village perimeter. The members of SHG groups and villagers participated in cleaning programme
17.09.17	Cleaning KVK Campus
18.09.2017	Swachhta Hi Seva was organized at village-Khadipada , GP- Bhubaneswarpur, Block- Jajpur, Dist- Jajpur on Dt. 18.09.2017. The school premises of village- Khadipada was chosen as site for cleaning as a part of Swachhata celebration. Weeding off the undesirable shrubs, sweeping of the road, disposal of waste polythenes, paper shreds was done and by the Villagers
20.09.2017	Swachhta Hi Seva was organized at village- Bhusandpur , GP- Bhusandpur, Block- Badachana, Dist- Jajpur on Dt. 20.09.2017. The cleaning activity was conducted in the village temple premises. Sweeping of village road and disposal of waste was done
21.09.2017	Swachhta Hi Seva was organized at village- Choromuha, GP- Choromuha, Block- Dharmasala, Dist- Jajpur on Dt. 21.09.2017. The cleaning activity was done in the Youth club campus and

	temple premises of the village. Sweeping and garbage disposal activities performed by the SHG group
22.09.2017	Swachhta Hi Seva was organized at village- Sananunpur, GP- Rudrapur, Block- Jajpur, Dist- Jajpur on Dt. 22.09.2017. The cleaning activity was done in the village temple premises. Sweeping and garbage disposal activities was performed by the villagers and Scientists of KVK, Jajpur
22.09.2017	Weeding, cleaning, plantation and watering of deodar trees was done in the entrance road of KVK by people of KVK, Jajpur
23.09.2017	Weeding, cleaning, plantation and watering of Deodar saplings was done in the entrance road of KVK by people of KVK, Jajpur
24.09.17	KVK, Jajpur organized an awareness campaign on the celebration of Samagra Swachhata Diwas on the development of proper toilet facility in disadvantages area in vill- Dalei Sahi of Block- Badachana, Dist- Jajpur. The villagers were advised to develop toilet facility in their houses or nearby
25.09.17	Sarwatra Swachhata 2017-18 was organized at KVK, Campus on 25.09.2017 in a sacred view to maintain the cleanliness of office campus, through cleaning of unwanted disposable wastes and sweeping of the Farmers hostel road, threshing floor and office campus
01.10.17	Swachhta was organized in nearby Tourist Spot at Mahavinayak temple, Chandikhol Block- Badachana, Dist- Jajpur on Dt. 01.10.2017. The cleaning activity was conducted in the Mahavinayak temple premises. Sweeping of temple road, temple premises and disposal of waste was done
02.10.17	Swachhta Hi Seva 2017-18 today on 02.10.2017 gained another feather for its glorious thorne in KVK, Barchana, Jajpur Campus through cleaning of unwanted disposable wastes and sweeping of the internal roads and office campus

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office		
2. Basic maintenance		
3. Sanitation and SBM	8	-
4. Cleaning and beautification of surrounding areas	15	-
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	5	-
6. Used water for agriculture/ horticulture application	-	-
7. Swachhta Awareness at local level		
8. Swachhta Workshops	-	-

9. Swachhta Pledge	1	-
10. Display and Banner	2	600
11. Foster healthy competition	-	-
12. Involvement of print and electronic media	-	-
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	5 (125 nos. farmers & farm women)	-
14. No of Staff members involved in the activities	15	-
15. No of VIP/VVIPs involved in the activities	-	-
16. Any other specific activity (in details)	-	-
Total	51	

9.6. Observation of National Science day NA

Date of Observation	Activities undertaken
Nil	

9.7. Programme with SeemaSurakshaBal (BSF) NA

Title of Programme	Date	No. of participants
Nil		

9.8. Agriculture Knowledge in rural school: NA

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

Give good quality 1-2 photograph(s)

9.9. Details of 'Sankalp Se Siddhi' Programme

Date of programme	No. of Union Ministers attended the programme	No. of Hon'ble MPs (Loksabha/Rajyasabha) participated	No. of State Govt. Ministers	Participants (No.)							Coverage by Door Darsan (Yes/No)	Coverage by other channels (Number)
				MLAs Attended the programme	Chairman ZilaPanchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total		
30.8.17	Nil	1		Nil	3	Nil	1	400	5	410	Yes	7

9.10. Details of Swachhta Hi Sewaprogramme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Cleaning of village road, perimeter, village school premises, office campus, youth club campus, temple premises, Weeding, cleaning, plantation and watering of deodar trees in office campus & awareness campaign on the celebration of Samagra Swachhata diwas	10	263	-	-

9.11. Details of MahilaKisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Essay Competition on "Role of Nutrients in human body" on the occasion of Mahila Kisan Diwas, Exhibition	5	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	Banamali rout	At-Digambarpur Dharmashala, Jajpur	Low cost fish feed
2	Bibhudata Samal	Vill- Sananoonpur Dist- Jajpur	IFS
3	Kulamani Samal	Vill- Solar Block- Badachana	Farm Mechanization
4	Sandhya Rani Mahala	Vill- Bhusandapur Block- Badachana	Mushroom Spawn Production
5	Mihirvanu Balabantaray	Vill- Amiyajhari Block- Badachana	Planting material production

9.13.HRDprogrammesattended by KVK person

Training programme/ Seminar/ Symposia/ Workshop etc attended	Duration	Name of the participants	Designation	Organizer of the training Programme
Training cum “Principles and practice of management	5.01.2018 to 9.01.2018	Dr. (Mrs.) T. Pattnaik	Sr. Scientist & Head	DEE, OUAT, BBSR
Training cum Refresher Course	30.01.2018	Mr. S. Dash, Scientist (Soil Sc.) Dr. B. Mohanta, Scientist (Agril. Engg.) Mr. B. C Swain Farm Manager	30.01.2018(1 days)	ICAR-ATARI, Kolkata
	3.02.2018	Dr. A.K Das PA (Animal Sc.)	3.02.2018 (1 days)	
	6.02.2018	Mrs. D. Patra Scientist (Home Sc.)	6.02.2018 (1 days)	
Cutting edge technology for horticultural crops under climate change scenario	20.11.2017 to 22.11.2017	Mrs. Babaita Mishra	Scientist (Horticulture)	
TOT programme on tractor Operator at IGKV, Raipur	3.01.2018 to 6.01.2018	Dr. Bijayalaxmi Mohanata	Scientist (Agril. Engg.)	ICAR-ATARI, Kolkata
Geo-spatial technology training	10.10.17 to 14.10.17	Mr. S. Dash	Scientist (Soil Sc.)	DEE, OUAT
Workshop on CFLD oil seed & pulse	24.02.2018	Mr. S. Dash	Scientist (Soil Sc.)	ICAR-ATARI, Kolkata

9.14. Revenue generation

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

9.15. Resource Generation:

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

9.16. Performance of Automatic Weather Station in KVK

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

9.17. Contingent crop planning

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

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

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- NA

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 other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	
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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

<i>District</i>	<i>Sub-district</i>	<i>No. of Village covered</i>	<i>Name of village(s) covered</i>	<i>ST population benefitted (No.)</i>		
				M	F	T

12. Progress report of NICRA KVK (Technology Demonstration component) during the period (Applicable for KVKs identified under NICRA)- NA

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 /	Remarks
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		benefitted	

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	State Level OUAT Foundation Day on 24.08.2017	Mr. kishore Rout	2017-18			IFS
2	ICAR-RCER	Mr.	2017-18			IFS

	AT PATNA 22.02.2018	Bibhudatta Samal				
3	Innovation on “NUTRIFLAV- BR” Fish feed	Mr. Banamali Rout	2017-18			Innovation on “NUTRIFLAV- BR” Fish feed

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

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

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

16. Integrated Farming System (IFS)

Details of KVK Demo. Unit

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

17. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	Demonstration of lime & Rhizobium application in groundnut	• Soil application of Lime @0.2LR • Seed treatment with Rhizobium @20gm/kg of groundnut seed • Yield increase 25%	46500	20000	

2	Demonstration of pre limed FYM inoculated with Biofertilizer in Cauliflower	- Application of 5kg of lime mixed with 100kg of FYM - Inoculated with 3kg of azotobactor, 3kg PSB & 3kg azospirillum with soil test based fertiliser - Yield increase 28%	46350	220	
	Demonstration on pointed gourd var. swarn Alaukik in triangular taking system	- High yielding, potential yield (220-260 qtl/ha) - Light green thin skin, fruit length 8-10 cm, 2-3 fruits/node - Good test and cooking quality - High market value - Planting ratio female: male (9:1)	1,42,280	120	
	Cultivation of potato var. Kufri Surya	- Early maturing 75 days, heat tolerant, white smooth skin pale yellow fles yield excellent - Seed treatment with Dithane M-45 @GM/lit - Recommended dose of fertiliser 180:80:110kg NPK/ha - Spraying Ridomil M-Z @2gm /lit wat for controlling wilting	77249	160	
	Demonstration on use of tractor drawn rotavator	- Field capacity 0.4ha/hr - Puddling index about 62% in single pass - Less fuel consumption for puddling operation.		20000	
	Demonstration on use of combine harvester	- Field capacity 0.4 ha/hr - Harvesting and threshing can be done at a time - About 43 mandays is saved /ha	26940	25000	

Cultivation of paddy straw mushroom variety OSM-11	- Maintence of temperature - Disinfection of mushroom with formalin @1ml/lit - Packaging in plastic punnets for market linkage	760/Unit(10 Nos. bed)	1800	
Demonstraiton of Oyster mushroom variety Hypsizigous ulmarius	- Improved management practices - Value addition of pickle, mushroom soup power - Market linkage	1100/10 nos. bag	1500	

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

Phase	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I (up-to 15.03.2018)	25	2340			
II (up-to 24.04.218)	35	3522			
Total	60	5862			

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

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