PROFORMA FOR ANNUAL REPORT 2018-19 (April 2018 to March 2019)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
KVK,Nabarangpur P.O-Badakumari,Umerkote Dist.-Nabarangpur,Odisha Pin-764073	06866270530	06866270530	nabarangapurkvk@yahoo.co.in kvknabarangapur.ouat@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Odisha University of Agriculture & Technology,Bhubaneswar-751003,Odisha	0674-2397362	0674-2397362	deanextensionouat@yahoo.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr.Narayan Bar		8917575257 8895615450	barnarayan@gmail.com

1.4. Year of sanction of KVK: 2004

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

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist& Head	Dr.Narayan Bar	Senior Scientist& Head	Agril. Extension	22320+ 8000	08.04.2010	Contractual	Gen
2	Subject Matter Specialist	Dr.G.C.Sahoo	Scientist(Soil.Sc.)	Soil Science	24850+ 6000	05.05.2006	Contractual	OBC
3	Subject Matter Specialist	Sh.Paritosh Murmu	Scientist	Agronomy	17610 + 6000	01.01.2016	Contractual	ST
4	Subject Matter Specialist	Sh . Rudra P Mohalik	Subject Matter Specialist	Nematlogy	15600+5400	20.06.2018	Contractual	SC
5	Subject Matter Specialist	-						
6	Subject Matter Specialist	-						
7	Subject Matter Specialist	-						
8	Programme Assistant	Mirs. Shubhasri Sahoo	Prgramme Assistant	Home Science	15100+4200	09.10.2006	Contractual	GEN
9	Computer Programmer							
10	Farm Manager	Miss Binapani Taria	Farm Manager	Horticulture	10560+4200	06.02.2015	Contractual	SC
11	Accountant / Superintendent							
12	Stenographer	Sh . Ratiranjan Behera	Jr. Steno cum computer Operator	Stenography	5200 + 2400	18.03.2019	Contractual	SEBC
13.	Driver	Shri Janmejaya Sahoo	Driver-cum-Mechanic	-	7400+1900	25.07.2008	Contractual	GEN
14.	Driver	Shri Rajanikanta Pattaniak	Driver-cum-Mechanic	-	7400+1900	28.07.2008	Contractual	GEN
15.	Supporting staff	Mr.Bharata Jena	Peon- Cum - Watchman	--	5200+1500	02.08.2008	Contractual	GEN
16.	Supporting staff	Mr.Hrushikesh Pradhan	Peon- Cum - Watchman	--	5200+1500	24.11.2014	Contractual	GEN

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	2.5
2.	Under Demonstration Units	0.2
3.	Under Crops	9.5
4.	Orchard/Agro-forestry	3.6
5.	Old Mango Orchard	0.8
6	New Mango Orchard	1.2
7	Cashew Orchard	1.2
8	Lemon Orchard	0.6
9	Litchi Orchard	0.4
	Total	20

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building								
2.	Farmers Hostel								
3.	Staff Quarters (6)								
4.	Piggery unit								
5	Fencing								
6	Rain Water harvesting structure								

7	Threshing floor								
8	Farm godown								
9.	Dairy unit								
10.	Poultry unit								
11.	Goatary unit								
12.	Mushroom Lab								
13.	Mushroom production unit								
14.	Shade house								
15.	Soil test Lab								
16	Others,Please Specify								

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero	29.06.2012	650000	91023	Running condition
Motor Bike	2012	55000	7500	Running condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Mridhaparikshyak	2017	86800	Working	ICAR
b. Farm machinery				
Tractor	2001	Rs.3,42,068/-	Running condition	DPP,OUAT

Pwer Tiller	2012	Rs.59,000/-	Running condition	DPP,OUAT
c.AV Aids				

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund

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.	04.02.2019	30	Seed production of rice var Hasant	FLD in farmers field 2019-20.	
			The FLD/OFT results to be disseminated to farmers in odia language .	KVK News letter 2019-20	
			Intercropping of Blackgram in Maize to be popularised	Trainings for farmer and farm women	
			FLD to be taken up on thrip management in Onoin	FLD 2019-20	
			FLD to be taken up on raising onion seedlings in low cost poly tunnels	KSHAMATA Project 2019-20	
			Marigold cultivation and its seed production to be taken up.	KSHAMATA Project 2019-20	
			" Nutrimix "to be taken up for tribal children	KSHAMATA Project 2019-20	
			Training on cattle feed preparation from maize to be taken up	Trainings for Rural Youth.	
			Crop diversification to millet	OFT on Finger millet varieties	
			Trial on management of Fall Army worm to be taken up	OFT on management of Fall Army Worm in Maize	
			Emphasis on sulphur nutrition in green garm	FLD on application of sulphur in Green gram	
			Emphasis on weed management in maize and DSR	FLD on Weed Management in maize and DSR	
			Popularisation of wilt resistant hybrid tomato variety Arka Rakshak	FLD on wilt resistant hybrid tomato variety Arka Rakshak	

** 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 (2018-19)

Sl. no.	Item	Information
1	Major Farming system/enterprise	Rice-Maize-Redgram
2	Agro-climatic Zone	Eastern Ghat High Land
3	Agro ecological situation	Eastern Ghat High Land zone of Odisha
4	Soil type	Sandy Clay Loam ,Mixed red and Black soil
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Rice- 1790 kgs/ha,Maize-3318 kgs/ha,Ragi-822 kgs/ha,Red gram-858 kgs/ha,Groundnut-1100 kgs/ha
6	Mean yearly temperature, rainfall, humidity of the district	Mean annual temperature-24.8˚C Mean annual rainfall-1569mm,Mean annual humidity-58%
7	Production of major livestock products like milk, egg, meat etc.	Milk

Note: Please give recent data only

2.b. Details of operational area / villages (2018-19)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1		Umerkote	Chikalpador	➢ Groundnut ➢ Rice ➢ Vegetables	➢ Cultivation of cereals not growing of pulses leades to soil deterioration ➢ High incidence of Rice stem borer	➢ Crop diversification with pulses ➢ Integrated pest management ➢ Integrated pest management ➢ Nutritional food security ➢ ➢ Backyard poultry rearing ➢ Mushroom cultivation
2		Jharigaon	Monguda	➢ Maize ➢ Rice ➢ Tomato ➢ vegetables	➢ Cracking of tomato fruit ➢ Indiscriminate use of nitrogen fertilizer ➢ Malnutrition	➢ Integrated nutrient management ➢ Prcessing and value addition ➢ Crop diversification with pulses ➢ Nutritional food security ➢ Backyard poultry rearing ➢ Integrated pest management ➢ Mushroom cultivation

3		Nandahandi	Sindhiguda	Rice Blackgram Sugarcane Vegetables	➢ Cultivation of cereals not growing of pulses leades to soil deterioration ➢ Indiscriminate use of chemical fertilizer ➢ Malnutrition	➢ Crop diversification with pulses ➢ Integrated pest management ➢ Integrated nutrient management ➢ Backyard poultry rearing ➢ Mushrom cultivation ➢ Nutritional food security
4		Raighar	Chatabeda	➢ Maize ➢ Rice ➢ Vegetables	➢ Cultivation of cereals not growing of pulses leades to soil deterioration ➢ Indiscriminate use of chemical fertilizer ➢ Malnutrition	➢ Integrated nutrient management ➢ Mushroom cultivation ➢ Integrated pest management ➢ Processing and value addition ➢ Backyard poultry rearing ➢ Nutritional food security
5		Dabugaon	Junapani	➢ Maiz ➢ Rice ➢ Vegetables	➢ Cultivation of cereals not growing of pulses leades to soil deterioration ➢ Indiscriminate use of chemical fertilizer ➢ Malnutrition	➢ Processing and Value addition ➢ Integrated nutrient management ➢ Integrated pest management ➢ Nutritional food security ➢ Backyard poultry rearing ➢ Mushroom cultivation

2. c. Details of village adoption programme:

Name of village	Block	Action taken for development
Monoguda	Jharigan	➢ Assessment of Rice variety "HASANTA" for BPH management ➢ Demonstration on Intercropping of Cowpea in Maize ➢ FLD on application of vermicompost with bioinnoculants in tomato ➢ Assessment of kharif onion to substitute maize in upland ➢ Assessment of yield potential of Oyster mushroom from different substrates ➢ CFLD on Black Gram
Chikalpador	Umerkote	➢ Assessment of Herbicide(Pretilachlor 6%+ Pyrazosulfuron Ethyl 0.15% GR) for weed management in transplanted Rice ➢ Assessment of split application of nitrogen in Maize ➢ FLD on application of lime with bioinnoculants in maize ➢ Assessment of tissue culture banana

		➢ Cfld on chickpea ➢ Assessment of different breeds of poultry birds for backyard rearing
Junapani	Dabugaon	➢ Demonstration on Intercropping of Black gram in Maize ➢ Assessment of foliar application of Boron and Molybdenum in caulioflower ➢ Assessment of IPM module for management of thrips in onion ➢ Demonstration on Papaya variety Red Lady ➢ Demonstration on Nutritional garden for improving nutritional security of farm women
Bhamini	Nandahandi	➢ Demonstration on Weed Management in transplanted Rice ➢ Demonstration on application of Boron in Rice ➢ Demonstration on Management of Rhizome rot in Banana ➢ Demonstration of off-season cultivation of triple diseases resistant tomato variety Arka rakshak ➢ Demonstration on value addition

		of mushroom ➢
Chatabeda	Raighar	➢ Demonstration on Weed Management in Maize ➢ FLD on INM in Brinjal ➢ Demonstration On IDM Module For Rotting Complex And Tikka Disease In Groundnut ➢ Demonstration on Marigold variety BM2

Name of the villages adopted by PC and SMS (2018-19) for its development and action plan

Name of village	Block	Action taken for development
Monoguda	Umerkote	➢ Assessment of Rice variety "HASANTA" for BPH management ➢ Demonstration on Intercropping of Cowpea in Maize ➢ FLD on application of vermicompost with bioinnoculants in tomato ➢ Assessment of kharif onion to substitute maize in upland ➢ Assessment of yield potential of Oyster mushroom from different substrates ➢ CFLD on Black Gram
Chikalpadar	Umerkote	➢ Assessment of Herbicide(Pretilachlor 6%+ Pyrazosulfuron Ethyl 0.15% GR) for weed management in

		transplanted Rice ➢ Assessment of split application of nitrogen in Maize ➢ FLD on application of lime with bioinnoculants in maize ➢ Assessment of tissue culture banana ➢ Cfld on chickpea Assessment of different breeds of poultry birds for backyard rearing
Chattabeda	Raighar	➢ Demonstration on Weed Management in Maize ➢ FLD on INM in Brinjal ➢ Demonstration On IDM Module For Rotting Complex And Tikka Disease In Groundnut ➢ Demonstration on Marigold variety BM2
Junapani	Dabugaon	➢ Demonstration on Intercropping of Black gram in Maize ➢ Assessment of foliar application of Boron and Molybdenum in caulioflower ➢ Assessment of IPM module for management of thrips in onion ➢ Demonstration on Papaya variety Red Lady ➢ Demonstration on Nutritional garden for

		improving nutritional security of farm women
Bhamini	Umerkote	➢ Demonstration on Weed Management in transplanted Rice ➢ Demonstration on application of Boron in Rice ➢ Demonstration on Management of Rhizome rot in Banana ➢ Demonstration of off-season cultivation of triple diseases resistant tomato variety Arka rakshak ➢ Demonstration on value addition of mushroom

2.1 Priority thrust areas

S. No	Thrust area
1.	Soil health & fertility management
2.	Crop substitution & cropping system
3.	Weed management
4.	Pest & disease management
5.	Mushroom Cultivation

6.	Backyard poultry rearing
7.	Dry land Farming
8.	Nutritional Food Security
9.	Drudgery Reduction
10.	Non land enterprises
11.	Fruit & Vegetable Cultivation
12.	Marketing awareness

3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
9	9	63	14	0	49	0	0	0	63	0	63	15	15	150	16	0	134	0		0	150	0	150

Training												Extension activities										
Number of Courses		Number of Participants										Number of activities		Number of participants								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
54	40	1080	189	45	494	55	109	28			910	100	163	5000	1679	540	6870	2050	207	130			11,423

Impact of capacity building												Impact of Extension activities										
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)										Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total				Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
12	5	2	0	8	0	3	2	0	0	15		5000	11,423	0	3	7	2	3	3	10	8	18

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
60	60.20	30,000	30,000

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
-	-	1000	532

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	--	--	--	--	--	--	--
Seminar/conference/ symposia papers	-	-	-	-	-	-	-
Books	-						
Bulletins	-						
News letter	1	500					
Popular Articles	-						
Book Chapter	-						
Extension Pamphlets/ literature	-						
Technical reports	-						
Electronic Publication (CD/DVD etc)	-						
TOTAL	1	500					

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	**Assessment of yield potential of Oyster mushroom from different substrates**
2.	Problem diagnosed	Unavailability of traditional substrates (uncrumpled paddy straw insufficient quantity) because of large scale use of combined harvester and use of thresher. So alternative substrates like crumpled paddy straw & dried maize stock has been evaluated for their biological efficiency.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Production of Oyster mushroom on alternate substrate like crumpled paddy straw & dried maize stock. Assessed.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on Mushroom, OUAT ,Bhubaneswar
5.	Production system and thematic area	Home stead and Income generation
6.	Performance of the Technology with performance indicators	1-Biological efficiency of crumpled paddy straw was 80.25 % as compared to biological efficiency of uncrumpled paddy straw i.e. 85.1%. 2-Biological efficiency of maize stock was 65.4% as compared to biological efficiency of uncrumpled paddy straw i.e. 85.1%. Performance indicator is Biological efficiency.
7.	Final recommendation for micro level situation	Crumpled paddy straw can well be used as an alternative substrate to uncrumpled paddy straw for oyster mushroom cultivation.
8.	Constraints identified and feedback for research	Constraints-Bag contamination. Feedback-1) Farmers were advised to sock the substrate in lime water for

		reducing contamination. 2) Wherever possible farmers were advised to go for steam sterilization of the substrate.
9.	Process of farmers participation and their reaction	Farmers participation-On & off campus training programme on mushroom was organized by kvk. Farmers reaction-Farmers expressed their satisfaction on the feedback obtained from kvk.

Thematic area: Income generation

Problem definition: Unavailability of traditional substrates (uncrumpled paddy straw insufficient quantity) because of large scale use of combined harvester and use of thresher. So alternative substrates like crumpled paddy straw & dried maize stock has been evaluated for their biological efficiency.

Technology assessed: Crumpled paddy straw can well be used as an alternative substrate to uncrumpled paddy straw for oyster mushroom cultivation.

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	7	-	-	-	-	1.702 kg/ bed	57/-bed	204.24/-	147.24	3.58
TO1	7	-	-	-	-	1.605 kg/bed	57/-bed	192.60/-	135.60	3.37
TO2	7	-	-	-	-	1.308 kg/bed	47/-bed	156.96/-	109.96	3.33

OFT-2

1.	Title of On farm Trial	**Assessment of different breeds of poultry birds for backyard rearing**
2.	Problem diagnosed	Low income & nutritional insecurity.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Rearing of Vanaraja & Kadaknath poultry birds can well be used as an alternative to desi birds for backyard rearing. Assessed.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OVC 2010,OUAT,Bhubaneswar
5.	Production system and thematic area	Semi intensive and income generation.
6.	Performance of the Technology with performance indicators	1-Body wt. & no of eggs lay/bird/yr. of vanaraja was 3.950kg & 152 nos.as compared to body wt. 1.425kg & 39nos.of eggs lay/bird/yr of desi. 2- Body wt. & no of eggs lay/bird/yr of Kadaknath was 2.925kg & 75nos.as compared to body wt. 1.350kg & 32nos.of eggs lay/bird/yr of desi. Performance indicators are body wt. & no of eggs lay/bird/yr.
7.	Final recommendation for micro level situation	Kadaknath birds can well be used as alternative to desi birds for health security & income generation for backyard rearing.

8.	Constraints identified and feedback for research	Constraints-low wt & mortality Feedback- Farmers were advised to maintain hygiene, give proper amount of feed & medicine in proper time.
9.	Process of farmers participation and their reaction	Farmers participation-On campus training programme on poultry bird rearing was organized by kvk. Farmers reaction-Farmers expressed their satisfaction on the feedback obtained from kvk.

Thematic area: Income generation

Problem definition: Low income & nutritional insecurity.

Technology assessed: Kadaknath birds can well be used as an alternative to desi birds for health security & income generation for backyard rearing.

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (Body wt. & egg/bird/year)	Cost of cultivation/bird/yr	Gross return/bird/yr	Net return/bird/yr	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	7	-	-	-	-	Body wt. / yr. =1.425kg	820/-	941.25/-	121.25/-	1.14

						Egg / yr. = 39 nos.				
TO1	7	-	-	-	-	Body wt./ yr. = 3.950kg Egg / yr. = 152 nos.	830/-	2231/-	1401/-	2.68
TO2	7	-	-	-	-	Body wt. /yr. =2.925kg Egg / yr. = 75nos.	860/-	2962.50/-	2102.50/-	3.44

OFT-3

1.	Title of On farm Trial	Assessment of IPM module for management of thrips in onion
2.	Problem diagnosed	Thrips in onion
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice - Spraying with dimethoate 2ml/lit (TO-1) - Seedling root dip bottom 1/3rd with carbosulphan @2ml/lit for 2 hrs before transplanting,spraying with profenfos @1 lit / ha, neem pesticide @2.5 lit/ha and then carbosulphan@1lit/ha at 10-15 days interval (TO-2) - Seedling root dip bottom 1/3 rd with carbsulphan @2 ml/ lit for 2 hrs before transplanting ,altenate spraying wiyh neem pesticide @ 2.5 lit / ha, thioxam @125gm/ha and acetamiprid @125 gm /ha at 15 days interval Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	
5.	Production system and thematic area	Plant Protection
6.	Performance of the Technology with performance indicators	Performance indicators- no of thrips per plants 1) No Of Thrips Per Plants Found To Be Less In TO-2 In Comparision To TO-1. 2)Yield Of Onion Was Found To Be Higher In TO-2 Comparision To

		TO-1.
7.	Final recommendation for micro level situation	Seedling root dip bottom 1/3 rd with carbsulphan @2 ml/ lit for 2 hrs before transplanting ,altenate spraying wiyh neem pesticide @ 2.5 lit / ha, thioxam @125gm/ha and acetamiprid @125 gm /ha at 15 days interval is better for controlling thrips in onion.
8.	Constraints identified and feedback for research	Constraints- Lack of knowledge about thrips. Feedback-1) Farmers were advised to for Seedling root dip bottom 1/3 rd with carbsulphan @2 ml/ lit for 2 hrs before transplanting.
9.	Process of farmers participation and their reaction	Farmers participation-On & off campus training programme on IPM module in onion was organized by kvk. Farmers reaction-Farmers expressed their satisfaction on the feedback obtained from kvk

Thematic area: **IPM module for management of thrips in onion**

Problem definition: **Onion thrips** cause both direct and indirect damage to**onion** by feeding and ovipositing on leaves that may cause green **onions** (scallions) to be unmarketable and dry bulb**onion** size to be reduced. **Onion thrips** can also transmit several plant pathogens that reduce **onion** bulb size and quality.

Technology assessed:

Seedling root dip bottom 1/3 rd with carbsulphan @2 ml/ lit for 2 hrs before transplanting ,altenate spraying wiyh neem pesticide @ 2.5 lit / ha, thioxam @125gm/ha and acetamiprid @125 gm /ha at 15 days interval is better for controlling thrips in onion.

Table:

Technology option	No. of trials	Yield component			No of thrips / plant	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	7	-	-	-	17	165	82197	132000	49803	1.48: 1
TO1	7	-	-	-	13	175	87895	140000	52105	1.55: 1
TO2	7	-	-	-	10	180	89795	144000	54205	1.68: 1

OFT-4

1.	Title of On farm Trial	**Assessment of kharif onion to substitute maize in upland**.
2.	Problem diagnosed	Poor net return from upland rain fed in Rabi Season and unavailability of local storage facilities results into higher price in Rabi season.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**FP:** Maize cultivation in upland rain fed during kharif season. **To1:** Cultivation of onion variety Bhima Super. **To2:** Cultivation of onion variety Agrifound Dark Red. **Observation Parameters : Plant height (cm), average bulb weight (gm), bulb diameter (cm)**
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	**Source :** Directorate of Onion and Garlic research , Pune-2007 and OUAT - 2010
5.	Production system and thematic area	Upland rain fed & maize based cropping system.
6.	Performance of the Technology with performance indicators	yield (q/ha)B:C Ratio, Farmer feed back
7.	Final recommendation for micro level situation	TO1-Bhima Super: red colour, suitable for kharif and late kharif season , average yield-20-22t/ha (kharif), bulb mature within 100-105 DAT. TO2-Agrifound Dark Red : dark red colour, globular shaped, yield 30-40t/ha, bulb mature within 95-110 DAT.
8.	Constraints identified and feedback for research	Farmers having less interest on Kharif Onion largely cultivated maize as single crop. Farmers are happy seeing the result.
9.	Process of farmers participation and their reaction	Farmers participation-On & off campus training programme on kharif onion was organized by kvk. Farmers' reaction-Farmers expressed their satisfaction on the feedback obtained from kvk.

Thematic area: *Maize based cropping system*

Problem definition: Poor net return from upland rain fed in Rabi Season and unavailability of local storage facilities results into higher price in Rabi season.

Technology assessed: **Assessment of kharif onion to substitute maize in upland.**

Table:

Technology option	No. of trials	Yield component	Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	7	-	-	54	44369	-	70,200	1.2
To1	7	**Fruit size: 4.98cm , Fruit weight (gm) 68.44g**	-	245.35	82500	-	1,62,850	1.97
To2	7	**Fruit size 4.30cm in size with tight skin, Fruit weight (gm): 60.33, bulb yield/ plant: 109.33g.**	-	215.15	82500	-	1,32,650	1.60

OFT-5

1.	Title of On farm Trial	**Assessment of different tissue culture banana in Maize based cropping system.**
2.	Problem diagnosed	Poor net return from traditionally propagated suckers and which are known to perpetuate the spread of banana diseases and pests.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**FP:** Conventional local indigenous variety of banana. **To1:** Cultivation of banana cv. Grand nine (G9) **To2:** Cultivation of banana cv. Amritpani **Observation Parameters: No. of hands/bunch, No. of fruit/bunch, fruit length (cm), fruit girth (cm).**
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	**Source: OUAT, BTTC Centre 2012-13.**
5.	Production system and thematic area	Upland irrigated maize based cropping system
6.	Performance of the Technology with performance indicators	yield (q/ha),B:C Ratio, Farmer feed back
7.	Final recommendation for micro level situation	TO1-Grand nine : dwarf (5-6 feet height), spacing 1.8mx3.6m, 4630 plant /ha, 3000bunch/ha TO2-Amritpani: spacing 2.4mx2.4m, 1736 plant/ha, 1700 bunch/ha.
8.	Constraints identified and feedback for research	Constraints- Lack of knowledge about tissue culture banana.
9.	Process of farmers participation and their reaction	Farmers participation-On & off campus training programme on **tissue culture banana** was organized by kvk.

Thematic area:

Problem definition: Poor net return from traditionally propagated suckers and which are known to perpetuate the spread of banana diseases and pests.

Technology assessed: **Assessment of different tissue culture banana in Maize based cropping system.**

Table:

Technology option	No. of trials	Yield component	Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	7	-	-					
To1	7	-	-					
To2	7	-	-					

OFT-6

1.	Title of On farm Trial	**Assessment of Rice variety "HASANTA" for BPH management.**
2.	Problem diagnosed	**BPH incidence in medium duration rice varieties** .
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**FP: Rice var. Pratikshya** **144 days duration** **To1: Rice var. Pooja** **150 days duration** **To2: Rice var. Hasanta(OUAT released var.resistant to BPH)** **145 days duration**
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	**Source : OUAT,2016**
5.	Production system and thematic area	Rainfed medium land,Maize-rice cropping system ,Varietal substitution
6.	Performance of the Technology with performance indicators	Hansanta var. observed highest yield and less incidence of BPH with net return of Rs.32200 with comparisiont FP(Rs.22750)
7.	Final recommendation for micro level situation	**BPH tolerant rice variety Hasanta** to be adapted in the area
8.	Constraints identified and feedback for research	Constraints- Lack of knowledge about **Rice variety HASANTA**
9.	Process of farmers participation and their reaction	Farmers participation through ON & off campus training programme on BPH tolerant rice var.Hasanta

Thematic area: Varietal Substitution

Problem definition: **BPH incidence in medium duration rice varieties**

Technology assessed: **Assessment of Rice variety "HASANTA" for BPH management.**

Table:

Technology option	No. of trials	Yield component	Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	7	-	-	**34.75**	38062.5	60812.5	**22,750.00**	**1.87**
To1	7	-	-	**36**	38500	63000	**24,500.00**	**1.94**
To2	7	-	-	**41.5**	40425	72625	**32,200.00**	**2.24**

OFT-7

1.	Title of On farm Trial	**Assessment of Herbicide(Pretilachlor 6%+ Pyrazosulfuron Ethyl 0.15% GR) for weed management in transplanted Rice**
2.	Problem diagnosed	High weed infestation , labour intensive,Scarcity of labour .
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Manual Weeding At 25 DAT and 45 DAT To1 Application of Pyrazosulfuron Ethyl 10% WP @200g/ha at 3DAT. To2: Application of Pretilachlor 6% +Pyrazosulfuron Ethyl 0.15% GR @10 kg/ha at 3DAT.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Source : : NRRI, 2011

5.	Production system and thematic area	Rainfed medium land,Rice-maize cropping System, IWM
6.	Performance of the Technology with performance indicators	TO_2 observed highest yield(33.75 q) than FP(32.25 q) and higher net return .
7.	Final recommendation for micro level situation	Herbicide(Pretilachlor 6%+ Pyrazosulfuron Ethyl 0.15% GR) is advised to use for weed management in transplanted Rice
8.	Constraints identified and feedback for research	Constraints- Lack of knowledge about herbicide (Pretilachlor 6%+ Pyrazosulfuron Ethyl 0.15% GR)
9.	Process of farmers participation and their reaction	Farmers participation through On & off campus training programme on importance of Pretilachlor 6%+ Pyrazosulfuron Ethyl 0.15% GR) for weed management in transplanted Rice.

Thematic area: Integrated Weed Management

Problem definition: High weed infestation , labour intensive,Scarcity of labour

Technology assessed: **Assessment of Herbicide(Pretilachlor 6%+ Pyrazosulfuron Ethyl 0.15% GR) for weed management in transplanted Rice**

Table:

Technology option	No. of trials	Yield component	Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	7	-	-	**32.25**	36687.5	56437.5	**19,750.00**	**1.82**
To1	7	-	-	**31.5**	37225	55125	**17,900.00**	**1.76**
To2	7	-	-	**33.75**	36712.5	59062.5	**22,350.00**	**1.95**

Results:

OFT-8

1.	Title of On farm Trial	**Assessment of split application of Nitrogen in Maize**
2.	Problem diagnosed	**More Nitrogen Use** **Less Nitrogen use efficiency . .**
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**FP: 2split (1/3rd basal +2/3rd at 30 DAS)** **To1 3 splits (1/4th basal + 2/4th at 21 DAS + 1/4th at 35 DAS)** **To2: Nitrogen application based on LCC reading**
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	**Source : Nitrogen parameters 2016,PAU,Ludhiana,2014**
5.	Production system and thematic area	Maize-Maize/vegetable-Fallow, NUE
6.	Performance of the Technology with performance indicators	There is increase in yield by 6.2% and 23.3% decrease of N dose by maize.
7.	Final recommendation for micro level situation	Urea application in maize to be done based on LCC reading.
8.	Constraints identified and feedback for	Research on use of LCC in other crops like sugarcane .

	research	
9.	Process of farmers participation and their reaction	Active Participation in the OFT programme and satisfied .

Thematic area: Nutrient Use efficiency

Problem definition: Excess use of urea in Maize

Technology assessed: **Assessment of split application of Nitrogen in Maize**

Table:

Technology option	No. of trials	N consumption (Kg /ha)	Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	7	150 Kg N /ha	-	53.4	37,572	80,000	42,528	2.13:1
To1	7	150 Kg N/ha	-	55.36	38,752	83,040	44,288	2.14:1
To2	7	115 Kg N /ha	-	56.70	38,149	85,050	46,901	2.23:1

Results: There is increase in yield by 6.2% and 23.3% decrease of N dose in maize by use of LCC .

OFT-9

1.	Title of On farm Trial	Assessment of foliar application of Boron and Molybdenum in cauliflower
2.	Problem diagnosed	Browning of curd and whiptail ,Low curd weight .
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP- No application of B and Mo , 22.5 : 57.5:0 NPK Kg /ha TO1- STBFA (120:40:60 Kg NPK /ha) TO2- Foliar application of 100 ppm B and 50 ppm Mo (once at 30 DAP) + STBFA(120:40:60 Kg NPK /ha) TO3- Foliar application of 100 ppm B and 50 ppm of Mo (twice at 30 DAP and 45 DAP) +STBFA(120:40:60 Kg NPK /ha)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIVR 2017
5.	Production system and thematic area	Partially irrigated medium land , Micronutrient
6.	Performance of the Technology with performance indicators	Foliar application of 100 ppm B and 50 ppm of Mo (twice at 30 DAP and 45 DAP) +STBFA(120:40:60 Kg NPK /ha) has resulted 60.62 % increase in curd yield and reduced 67.2 % browning problem in cauliflower than farmers practice .
7.	Final recommendation for micro level situation	Foliar application of 100 ppm B and 50 ppm of Mo (twice at 30 DAP and 45 DAP) +STBFA
8.	Constraints identified and feedback for research	Nil.
9.	Process of farmers participation and their reaction	Active Participation in the OFT programme and satisfied .

Thematic area: Micronutrient management

Problem definition: **Browning of curd and whiptail ,Low curd weight in cauliflower**

Technology assessed: **Assessment of foliar application of Boron and Molybdenum in cauliflower .**

Table:

Technology option	No. of trials	Yield component		Disease/ insect pest incidence (%)	Yield (q/ha (q/ha)	Cost of cultivation Rs Rs) (Rs./ha)	Gross return ((Rs/ha)	Net return (Rs./ha)	BC ratio
		Curd weight(gm)	Percentage .of affected (browning)curds						
FP	5	330 gm	12.8 %	-	239.25 q/ha	Rs 1,04,650	Rs 3,58,875	Rs 2,54,225	3.43:1
TO1	5	470 gm	11.4 %	-	340.8 q/ha	Rs 1,08,837	Rs 5,11,200	Rs 4,02,363	4.70:1
TO2	5	490 gm	5.7 %	-	356.3 q/ha	Rs 1,12,369	Rs 5,35,200	Rs 4,22,831	4.76:1
TO3	5	530 gm	4.2 %		384.3 q/ha	Rs 1,15,901	Rs 5,76,450	Rs 4,60,549	4.97:1

Results: Foliar application of 100 ppm B and 50 ppm of Mo (twice at 30 DAP and 45 DAP) +STBFA has resulted 60.62 % increase in curd yield and reduced 67.2 % browning problem in cauliflower than farmers practice.

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Nutritional garden	Nutritional security	Nutritional garden with protein, vitamin & iron rich vegetables	2mt×3mt plot(6nos.)/13 farmers	2mt×3 mt plot(6 nos.)/1 3 farmer s	- ,3		6, 2		-,2		6,7,13			
2.	Oyster mushroom	Income generation	Drying or dehydration of mushroom-preparation of pure mushroom powder	13kg mushroom/ 13 farmers (1kg mushroom/ 1farmer)	13kg mushro om/13 farmers (1kg mushro om/1fa rmer)	3, 1		3, 1		2,3		8 ,5,13			
3.	BANANA	INTEGRATED DISEASE MANAGEMEN T	Dipping Of Rhizome In CopperOxychloride@0.3 %+streptomycin Sulfate@300ppm, For 15 To 20 Mins BeforePlanting. Soil drenching with copper oxychloride@0.3%+ Streptomycin sulfate@300ppm,need based with Copper oxychloride@0.3%+ Streptomycin sulfate@300ppm@10- 15	1	1	10						10			

			days interval						
4.	GROUNDNUT	INTEGRATED DISEASE MANAGEMENT	Seed treatment with carbendazim@2.5gm/kg of seed 2-3 spray of carbendazim 1gm/lit of water at 15 days interval starting from 4-5 weeks after planting	1	1	10		10	

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Papaya variety Red Lady	Fruit cultivation	**FP : Cultivation of local variety** **Demo:** Seedling raising: Aug-Sep, transplanting Oct-Nov, spacing: 1.8mx1.8m, plant/acre: 1200-1700, 200gmN+500gmP+500gmK/plant/annum along with FYM.	0.3	0.3			08	02			08	02	10	
2.	Tomato variety Arka rakshak	Vegetable cultivation	**FP : Cultivation of Rabi Tomato** **Demo** : Seedling raising : May-June, seed rate – 150gm, spacing : 100cmx130cm, N:P:K-180:150:120kg/ha, Duration – 140 days, Yield 75-80t/ha	0.3	0.3			08	02			08	02	10	

3.	Marigold variety BM2	Floriculture	**FP :** Cultivation of local variety Seedling raising: Aug-Sep, transplanting Oct-Nov, Spacing: 40cmx30cm, N: P: K-100:200:200kg/ha, Yield 0.85kg/plant.	0.5	0.5	08 02		08 02 10	
4	**Black gram Maize**	Agrnomy	**FP -Monoculture of Maize FLD -1row of Black gram (30cmX30cm) with 1 row of maize(30cmX30cm) (PU-31 var. of Blackgram and Hycel var. of maize)**	1 ha	1ha	0, 10	-	10,-, 10	
4	**Transplanted rice**	Agrnomy	**FP - Mannual weeding at 20 DAT and 35 DAT** **FLD -Application of Pretilachlor (6%)+ Bensulfuron methyl (0.6%) (Londex power) @ 10kg/ha at 3 DAT followed by post-emergence spraying of Bispyribac Sodium 10% SC(9.5 %W/W) @ 300 ml/ha at 10-15 DAT**	1 ha	1ha	0, 10	-	10,-, 10	
5	**Maize**	Agrnomy	**FP - Mannual weeding FLD -Application of Atrazine @0.75 kg/ha as pre-emergence on 2-3 DAS followed by 2,4-D@1 kg/ha on 20-25**	1 ha	1ha	0, 10	-	10,-, 10	

			DAS						
5	**Maize,Cowpea**	Agrnomy	**FP - Monoculture of Maize** **FLD - 2 rows of cowpea(30 cm X 30 cm) with 2 row of maize(30cmX 30cm)** **Cowpea var Utkal manik (Bushy var).** **Maize var – Hycel**	1 ha	1ha	0, 10	-	10,-, 10	
6	**Rice**	Micronutrient	**FP- No application of Boron . STBFA100 :40:40 NPK Kg /ha** **FLD- Application of 0.5 kg a.i. of Boron per ha at the time of land preparation followed by 2 numbers of foliar application of boron 0.02% before flowering + STBFA (100:40:40) NPK kg /ha**	4 ha	4ha	1,0 1,0	8.0	10.0,10	
7	**Brinjal**	INM	**FP- Sole application of Chemical fertiliser at imbalanced dose (22.5 :57.5 :0 NPK kg /ha)** **No application of Boron** **FLD-Application of PSB ,Azospirillum and Azotobacter @ 4 Kg each per ha at land**	4 ha	4 ha	1,0 1,0	8.0	10,0,10	

			preparation + STBFA(75 % N +75 % P+ 100 % K) +Foliar application of boron 0.02 % before flowering .						
8	**Tomato**	INM	**FP-Sole application of chemical fertiliser in imbalanced dose. 22.5 :57.5 : 0 kg /ha No application of micronutrient FLD-Application of vermicompost @5 ton per ha with PSB,Azospirillum & Azotobacter @ 4 Kg each per ha at land preparation . + STBFA(75 % N + 75% P+ 100 % K)112.5 :60:100 kg NPK/ha**	4 ha	4 ha	1,0 1,0		8.0	10,0,10	
9	**Maize**	SFM	**FP-No lime and no bio-innoculant application STBFA NPK 150:60:60 Kg /ha . FLD-Lime application @ 0.1 LR as basal + STBFA(75%N+75%P+100%K) + Azpotobacter +azospirillum+ PSB @ 4 Kg per ha each**	4 ha	4 ha	1,0 1,0		7,1	9,1,10	4 ha

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Nutritional garden	Kharif 2018	Backyard seasonal unplanned gardening	Alfisol	-	-	-	No	Kharif 2018	Kharif 2018		
Oyster mushroom	Rabi 2019	No value addition on mushroom		-	-	-	No	Rabi 2019	Rabi 2019		
BANANA	Kharif 2018	Irrigated	Alfisol	-	-	-	No	22.08.2018	15.07.2019		
GROUNDNUT	Rabi 2019	Irrigated	Alfisol	-	-	-	No	31.12.2018	10.04.2019		

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					

Papaya	Kharif - 2018	Rain fed upland	Alfisol	219.7	11.6	148.1	Fallow	8.6.2018	20.3.2019	-	-
Tomato	Kharif - 2018	Rain fed upland	Alfisol	223.6	13.8	151.3	Fallow	18.6.2018	6.11.2018	-	-
Marigold	Rabi - 2018-19	Rain fed upland	Alfisol	227.1	13.5	162.9	Rice	10.09.2018	24.12.2018	-	-
Blackgram maize	Kharif,2018	Upland rainfed	Alfisol	230.8	18.8	158.1	vegetables	12.07.2018	10.102018	-	-
Transplanted rice	Kharif,2018	Medium land rainfed	Alfisol	235.8	17.5	155.1	Maize	22.07.2018	03.11.2018	-	-
Maize	Kharif,2018	Upland rainfed	Alfisol	232.5	19.2	162.5	vegetables	02.07.2018	15.10.2018	-	-
Maize cow pea	Rabi - 2018-19	Upland rainfed	Alfisol	211.6	19.7	155.8	vegetables	11.11.2018	10.03.2019	-	-
Rice	Kharif 2018	Rainfed medium land	Alfisol	132.6	18.2	212.3	Fallow	15.07.2018	10.11.2018	--	--
Brinjal	Rabi - 2018-19	Irrigated medium land	Alfisol	206.8	21.8	156.7	Paddy	1.12.2018	30.03.2018	--	---
Tomato	Rabi - 2018-19	irrigated medium land	Alfisol	175.1	17.8	210.1	Paddy	1.12.2018	28.03.2018	--	---
Maize	Rabi - 2018-19	Irrigated upland	Alfisol	221.8	19.8	165.1	Maize	31.01.2019	21.05.2019	---	---

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	CFLD	**1. Improved variety ICGV91114(Devi) 2.Line sowing (30x10cm) 3.Foliar sprayed multimicronutrient 2 ml/lit once at preflowering stage . 4.Spayed Chlorothalonil 75%WP 2gm/Lit Of Water For Control Of Cercospora Leaf Spot 5. Applied of imazethapyr@1.5 ml/lit for control of weeds 6. Applied of deltamethrin+triazophos @2 ml/lit t contol of pod borer.**	56	20	**14.60**	**10.0**	**46.0**	60000	116800	56800	1.94	48192	80000	31808	1.66
Total			56	20	**14.60**	**10.0**	**46.0**	60000	116800	56800	1.94	48192	80000	31808	1.66

* 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	Name of the technology demonstrated	No. of Farme	Area	Yield (q/ha)	% Increa	*Economics of demonstration (Rs./ha)	*Economics of check (Rs./ha)

	Area		rs	(ha)	Demo	Check	se	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
BLACKGRAM	CFLD	**1. Improved variety PU-31 2.Line sowing (30x10cm) 3. Foliar sprayed of multimicronutrients(Allwin wonder plus) @ 2ml/lit once at pre-flowering stage and Allwin top plus @ 2 ml/lit at post flowering stage. 4. Applied Fungicide carbendazim 12%+mancozeb63% @1.5 ml /lit for control of brown spot . 5. Applied insecticide @ Deltamethrin1%+trizaphos35%@ 2 ml /lit to control pod borer**	50	20	**4.2**	**3.65**	**15.06**	10200.00	15750.00	5550.00	1.54:1	9375.00	13687.50	4312.50	1.46:1
CHICKPEA		**1. Improved variety NBEG-3 2.Line sowing (30x10cm) 3.Foliar sprayed multimicronutrient 2 ml/lit once at preflowering stage . 4.Spayed Chlorothalonil 75%WP 2gm/Lit Of Water For Control Of Leaf Spot 5. Applied of deltamethrin+triazophos @2 ml/lit t contol of pod borer. 6.Applied of acetamiprid @2 ml/ lit to control of whitefly.**	50	20	8.8	4.75	**85.26**	24000	61600	37,600	2.56	22000	33250	11,250	1.5
	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

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
Papaya	Fruit cultivation	Demonstration on Papaya variety Red Lady	10	0.3	Result awaited										
Tomato	Vegetable cultivation	Demonstration of off-season cultivation of triple diseases resistant tomato variety Arka rakshak	10	0.3	350.5	225	+ 55.77	62,500	350500	288000	5.6	60000	225000	165000	3.75
Marigold	Floriculture	Demonstration on Marigold variety BM2	10	0.5	250	160	156.25	82,800	218300	135500	2.63	82,800	202800	120000	2.45

Other 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

Nutritional garden	Nutritional security	Nutritional garden with protein, vitamin & iron rich vegetables	13	2mt×3mt plot(6nos.)/13 farmers	**85.5 Q/Ha (From 2mt×3mt plot** 1-Brinjal=23.400kg 2-Okra=7.36kg 3-Cow pea=3.450kg 4-Cluster bean=3.079kg 5-Green leafs=7.88kg 6-Chilli=6.14kg0	21.48 Q/Ha (Brinjal =7.560kg(6 nos. plant) Okra=2.04kg(15nos. plant) Green leafs=2.09kg(1.5×1.5mtplot) Chilli=1.200g(4nos. plant)	Brinjal =209.52% Okra=260.78% Green leafs=277% Chilli=411.66%	242/-	676/-	434/-	2.79	80/-	135/-	55/-	1.68
Oyster mushroom	Income generation	Drying or dehydration of mushroom-preparation of pure mushroom powder	13	13kg mushroom/13 farmers (1kg mushroom/1farmer)	Pure mushroom powder=1300gm/13kg	-	-	1600/-	2000/-	400/-	1.25	-	-	-	-
Total								1842/-	2676/-	834/-	4.04	80/-	135/-	55/-	1.68

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) Demo				*Economics of check (Rs./ha) Check			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Blackgram maize	Intercropping	1row of Black gram (30cmX30cm) with 1 row of maize(30cmX30cm) (PU-31 var. of Blackgram and Hycel var. of maize)	10	1ha	Maize-52.45 Black gram-4.15	54.5	---	No. of Cobs/ha-68,525,Cob length(cm)-18.4 Cob girth(cm)-15.8 LER (%) = 1.33	No. of Cobs/ha-71,919,Cob length(cm)-19 Cob girth(cm)-16.5	43,825	98,750	**54,925**	**2.23**	41000	81,750	40,750	1.99

Transplanted rice	IWM	Application of Pretilachlor (6%)+ Bensulfuron methyl (0.6%) (Londex power) @ 10kg/ha at 3 DAT followed by post-emergence spraying of Bispyribac Sodium 10% SC(9.5 %W/W) @ 300 ml/ha at 10-15 DAT	1 ha	1 ha	**33.85**	31.95	**5.95**	Weed Biomass(g/m^2) at 45 DAT=26.85 WCE= 79.24%	Weed Biomass(g/m^2) at 45 DAT=46.45, WCE= 69.89 %	23909	59,237.5	**35328.50**	2.48	25909	55912.5	**30003.50**	2.15
Maize	IWM	Application of Atrazine @0.75 kg/ha as pre-emergence on 2-3 DAS followed by 2,4-D@1 kg/ha on 20-25 DAS	1 ha	1 ha	**56.15**	52.5	**6.95**	Weed biomass (g/m^2) = 197.7 WCE (%) =87.16	Weed biomass(g/m^2) =319.2 WCE (%)= 72	39000	84225	**45,225**	**2.16**	41000	78750	37,750	1.92
Maize, cowpea	Intercropping	2 rows of cowpea(30 cm X 30 cm) with 2 row of maize(30cmX 30cm) Cowpea var Utkal manik (Bushy var). Maize var – Hycel	1 ha	1 ha	Maize-55.25 Cowpea-4	58.5	--	No. of Cobs/ha-65,345,Cob length(cm)-18.4 Cob girth(cm)-15 LER (%) = 1.44	No. of Cobs/ha-71,745,Cob length(cm)-18.5 Cob girth(cm)-15.15	52500	98875	46,375	1.97	48000	87750	39,750	1.83
Rice	Micronutrient	**Application of Boron in Rice**	10	4 ha	38.53	31.5	21.59	5.3% chaffyness	12.4% chaffyness	28466	42130	18611	1.48;1	25464	34650	9186	1.36:1
Brinlal	INM	**Integrated Nutrient Management**	10	4 ha	495.7	260.5	90.3	Fruitwt- 115 gm	Fruitwt- 90 gm	1,33,939	7,43,550	6,09,611	5.55:1	1,12,150	3,90,750	2,78,600	3.48:1
Tomato	INM	**Application of vermicompost with bioinnoculants .**	10	4ha	536.3	312.7	71.50	Fruit wt 55 gm	Fruit wt 45 gm	1,52,089	8,04,450	6,52,361	5.29 :1	1,18,150	4,69,050	3,50,900	3.97:1

BANANA	Management of Rhizome rot in Banana	**Dipping Of Rhizome In CopperOxychloride@0.3%+streptomycin Sulfate@300ppm, For 15 To 20 Mins BeforePlanting. Soil drenching with copper oxychloride@0.3%+ Streptomycin sulfate@300ppm,need based with Copper oxychloride@0.3%+ Streptomycin sulfate@300ppm@10- 15 days interval**	10	1	Result awaited.												
GROUNDNUT	Rotting Complex And Tikka Disease In Groundnut	Seed treatment with carbendazim@2.5gm/kg of seed 2-3 spray of carbendazim 1gm/lit of water at 15 days interval starting from 4-5 weeks after planting	10	1	11.5	9.25	+24.32%	% of spots /plant=13	% of spots /plant=22	41500	69000	27500	1.66	40000	55500	15500	1.39
Maize	SFM	**Application of lime with bio-inoculants.**	10	4ha	66.8	54.5	22.6	Pt height 194 cm	Pt height 162 cm	45,135	1,00,200	54,984	2.22:1	37,500	81,750	44250	2.18:1
	Total																

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy	-																
Cow	-																
Buffalo	-																
Poultry	-																
Rabbitry	--																
Pigerry	-																
Sheep and goat	-																
Duckery	-																
Others (pl.specify)	-																
Total	-																

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

** BCR= GROSS RETURN/GROSS COST

Fisheries

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

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Other enterprises

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

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Women empowerment

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

Farm implements and machinery

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

*** Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.**
**** BCR= GROSS RETURN/GROSS COST**

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
Cereals				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Bajra										
Maize										

Paddy										
Sorghum										
Wheat										
Others (Pl. specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										

Potato										
Field bean										
Others (Pl. specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training				
3.	Media coverage				
4.	Training for extension functionaries				

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2018 and Rabi 2018-19:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Groundnut Kharif ,2018-19	Local	10	12.56	16.66	20.00	Improved variety ICGV91114(Devi) ,Line sowing (30x10cm), Foliar sprayed multimicronutrient 2 ml/lit once at preflowering stage for better, spayed Chlorothaloni l 75%WP 2gm/lit of water for control of Cercospora Leaf spot, • Recommended dose of fertilizer 20:40:20 Application of deltamethrin+triazophos @2 ml/lit.	56	20	15.42	13.78	14.60	13.97	-14.10	-36.98

							Application of imazethapyr@1.5 ml/lit for control of weeds								

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
	Improved variety ICGV91114(Devi) ,Line sowing (30x10cm), Foliar sprayed multimicronutrient 2 ml/lit once at preflowering stage for better, spayed Chlorothalonil 75%WP 2gm/lit of water for control of Cercospora Leaf spot, • Recommended dose of fertilizer 20:40:20 Application of deltamethrin+triazophos @2 ml/lit. Application of imazethapyr@1.5 ml/lit for control of weeds	48192	80000	31808	1.66	60000	116800	56800	1.94

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
Ground nut,improve var. ICGV91114(Devi)	14660	600	80	40	nil	Maintainance of house and paid the bank loan	25 nos.	Ground nut,improve var. ICGV91114(Devi)

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
	Improved variety ICGV91114(Devi) ,Line sowing (30x10cm), Foliar sprayed multimicronutrient 2 ml/lit once at preflowering stage for better, spayed Chlorothalonil 75%WP 2gm/lit of water for control of Cercospora Leaf spot, • Soil test based fertilizer application	Good	Good	High	nil	Yes	nil

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Variety ICGV91114 Medium duration-90days, Yield-12 to	Good	Increase in yield by 31.50%	1.Germination of the variety is good.

14q/ha, medium size pod, resistant to major disease and pests			
			2.Less insect pest and disease attack

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	**Awarness programme**	**2.07.2018**	**35**
2	**Field visit**	**17.10.2018**	**25**

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

H. Farmers' training photographs

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

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input	2,40,000	2,06,886	33,114
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	2,40,000	2,06,886	33,114

A. Technical Parameters:

Sl. N	Crop demonstrated	Existing (Farmer's) variety	Existing yield	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of	Area in	Yield obtained (q/ha)	Yield gap minimized (%)
				Dist	Sta	Pote					

o.		name	(q/ha)	rict yield (D)	te yield (S)	ntial yield (P)		farmers	ha	Max.	Min.	Av.	D	S	P
1	Blackgram Kharif 2018	Indiscrimnate loacal var	3.65	4.25	5.07	6.0	• Improved variety PU- 31 • Line sowing (30*10 cm) • Recommended dose of Fertilizer(RDF)NPK -20:40:40 kg/ha • Foliar sprayed of multi micro-nutrients @ (Allwin wonder plus) @ 2ml/lit once at pre-flowering stage and allwin top plus @ 2 ml/lit at post flowering stage. • Applied Fungicide carbendazim 12%+mancozeb63% @1.5 ml /lit for control of brown spot and other leaf spot. • Applied insecticide @ Deltamethrin 1%+trizaphos35%@ 2 ml /lit to control pod borer And stem borer and Acetamiprid 20% @ 2 ml/lit to control white fly.	50	20	4.7	3.7	4.2	-1.19	-20.71	-42.85

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	937	13687.5	4312.50	1.46:	10200.0	15750.0	5550.00	1.54:1

	variety PU-31 2. Line sowing (30x10cm) • RDF, 20:40:40, NPK kg/ha • Foliar sprayed of multi micro-nutrients(Allwin wonder plus) @ 2ml/lit once at pre-flowering stage and Allwin top plus @ 2 ml/lit at post flowering stage. • Applied Fungicide carbendazim 12%+mancozeb63% @1.5 ml /lit for control of brown spot and other leaf spot. • • Applied insecticide @ Deltamethrin1%+trizaphos35%@ 2 ml /lit to control pod borer And stem borer and Acetamiprid 20% @ 2 ml/lit to control white fly.	5.00	0		1	0	0		

C.Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
	Black Gram var-PU-31	420	400	37.50	20	Nil	Household	20

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
	• Improved variety PU- 31 • Line sowing (30*10 cm) • Recommended dose of Fertilizer(RDF)NPK -20:40:40 kg/ha • Foliar sprayed of multi micro-nutrients @ (Allwin wonder plus) @ 2ml/lit once at pre-flowering stage and allwin top plus @ 2 ml/lit at post flowering stage. • Applied Fungicide carbendazim 12%+mancozeb63% @1.5 ml /lit for control of brown spot and other leaf spot. • Applied insecticide @ Deltamethrin1%+triazaphos35%@ 2 ml /lit to control pod borer And stem borer and Acetamiprid 20% @ 2 ml/lit to control white fly.	Yes	Yes	Yes	No	Yes	Establishment of seed processing unit.

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Blackgram Var PU-31 is short duration having 65-70 days and early flowering.	Very good	Early maturity and better yield in comparison to local variety	1.Germination of the varietyPU-31 is good.
			2.YMV and leaf spot resistance

			3.Early flowering

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	**Awareness programme**	**2.8.2018**	**20**
2	**Field visit**	**26.9.2018**	**25**
3	**Training programme**	**4.10.2018**	**25**

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

H. Farmers' training photographs

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

J.Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input	1,78,800	1,34,053	44,747
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	1,78,800	1,34,053	44,747

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P

1	Chick pea Rabi,2018-19	local	4.75	**7.3**	**8.06**	15	. 1. Improved variety-NBEG-3 2.Line sowing (30x10cm) 3. Foliar spray of multi-micronutrient allwin wonder plus 2 ml/lit once at preflowering stage and allwin top plus 2ml/lit at flowering stage. 4. Need based pesticide application deltamethrin + triazophos 2 ml /lit of water for pod	Chick pea Rabi,2018-19	local	4.75	**7.3**	**8.06**	15	. 1. Improved variety-NBEG-3 2.Line sowing (30x10cm) 3. Foliar spray of multi-micronutrient allwin wonder plus 2 ml/lit once at preflowering stage and allwin top plus 2ml/lit at flowering stage. 4. Need based pesticide application deltamethrin + triazophos 2 ml /lit of water for pod	Chick pea Rabi,2018-19

							borer 5.Sprayed chlorothanoil @1.5ml / lit of water. 6.Sprayed acetamiprid @2 ml/lit of water to control white fly							borer 5.Sprayed chlorothanoil @1.5ml / lit of water. 6.Sprayed acetamiprid @2 ml/lit of water to control white fly	

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 1. Improved variety- NBEG-3 2.Line sowing (30x10cm) 3. Foliar spray of multimicronutrientallwin wonder plus 2 ml/lit once at preflowering stage and allwin top plus 2ml/lit at flowering	22000	33250	11,250	1.5	24000	61600	37,600	2.56

	stage. 4. Need based pesticide application deltamethrin + triazophos 2 ml /lit of water for pod borer 5.Sprayed chlorothanoil @1.5ml / lit of water. 6.Sprayed acetamiprid @2 ml/lit of water to control white fly of water for pod borer								

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
	Chickpea, Improved variety-NBEG-3	**20000**	400	75	45	nil	Maintainance of house and paid the bank loan	42 nos.

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 variety- NBEG-3 2.Line sowing (30x10cm) 3. Foliar spray of multimicronutrientall win wonder plus 2 ml/lit once at preflowering stage and allwin top plus 2ml/lit at flowering stage. 4. Need based pesticide application deltamethrin + triazophos 2 ml /lit of water for pod borer 5.Sprayed chlorothanoil @1.5ml / lit of water. 6.Sprayed acetamiprid @2 ml/lit of water to control white fly	Good	Good	High	nil	Yes	nil

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Variety NBEG-3 Medium duration-110 days, Yield-21 to 23q/ha, large seeded desi variety with good rooting quality, tolerant to drought and wilt	Good	Increase in yield by %85.26	No of branches per plant is high,Tolerant to water stress, .No of pods per plant is high

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended

1	**Awarness programme**	**26.01.2018**	**50**
2	**Field visit by line deptt. Staff**	**15.02.2018**	**25**

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

Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input	1,80,000	1,64,965	15,035
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	1,80,000	1,64,965	15,035

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

A) Farmers and farm women (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning	1							15	10	25	15	10	25
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	02	1	2	3	1	13	14	8	25	33	10	40	50
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women	3	6	20	26	8	7	15	13	21	44	27	48	75
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any	01	0	0	0	2	21	23	1	1	2	3	22	25
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	7	7	22	29	11	41	52	37	57	104	55	120	175

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping	2							30		30	30		30
Integrated farming													
Seed production													
Production of organic inputs	1	13	2								13	2	15
Integrated Farming	1							15	-	15	15	-	15
Planting material production	1							15	-	15	15	-	15
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
TOTAL	5	13	2					60		60	73	2	75

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	15	-	15	-	-	-	-	-	-	15	-	15
Value addition													
Integrated Pest Management													
Integrated Nutrient management	1	15	-	15	-	-	-	-	-	-	15	-	15
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs	1	15	-	15	-	-	-	-	-	-	15	-	15
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1	15	-	15	-	-	-	-	-	-	15	-	15
Gender mainstreaming through SHGs													
TOTAL	4	60		60							60		60

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	2	-	-	-	-	-	-	17	8	25	17	8	25
Resource Conservation Technologies													
Cropping Systems	1	-	-	-	-	-	-	14	11	25	14	11	25
Crop Diversification	1	-	-	-	-	-	-	18	7	25	18	7	25
Integrated Farming	1	-	-	-	-	-	-	17	8	25	17	8	25
Water management													
Seed production													
Nursery management	1	-	-	-	-	-	-	19	6	25	19	6	25
Integrated Crop Management													
Fodder production													
Production of organic inputs	1	-	-	-	-	-	-	15	10	25	15	10	25
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops	1							15	10	25	15	10	25
Off-season vegetables	1							15	10	25	15	10	25
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning	1							15	10	25	15	10	25
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any	1							15	10	25	15	10	25
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management	1	6	9	15	5	1	6	3	1	4	14	11	25
Soil and Water Conservation													
Integrated Nutrient Management	3	15	05	20	5	3	8	23	24	47	43	32	75
Production and use of organic inputs	1	0	0	0	0	0	0	25	0	0	25	0	25
Management of Problematic soils													
Micro nutrient deficiency in crops	2	28	16	44	1	0	1	5	0	5	34	16	50
Nutrient Use Efficiency	1	0	0	0	1	2	3	15	7	20	16	09	25
Soil and Water Testing													
Organic farming	1	0	0	0	4	3	7	9	9	18	13	12	25
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	01	0	8	8	0	4	4	0	13	13	0	25	25
Design and development of													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management	3							55	20	75	55	20	75
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	24	49	38	87	16	13	29	295	164	432	360	215	575

E) RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL													

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL													

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
TOTAL													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	03	1	10	11	1	17	18	8	38	46	10	65	75
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women	03	6	20	26	8	7	15	13	21	34	27	48	75
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any	01	0	0	0	2	21	23	1	1	2	3	22	25
TOTAL													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	3							55	20	75	55	20	75
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL	3							55	20	75	55	20	75
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													
TOTAL	13	7	30	37	11	45	56	132	100	232	150	175	325

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping	2	9			2			4			15		15
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Rural Crafts													
Enterprise development													
Others if any (ICT application in agriculture)													
TOTAL	2	9			2			4			15		15

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	4	60		60							60		60
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													

Others if any													
TOTAL													

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

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Honeybee cultivation	Income generation	Beekeeping for income generation	2	15		15				

*training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

Sl. No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants									Sponsoring Agency
							Male			Female			Total			
					PF/RY/EF		Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1	Mushroom cultivation	Incme generation	November	7 days	Ry	12	8	3	4				8	3	4	15	Atmanabarangppur

2	Mushroom grower	Income generation	March 2019	25 days	RY	01	4	4	6	1	2	3	5	6	9	20	ASCI
3	Vermicompost grower	Income generation	December	25 days	RY	1	1	4	15	-	-	-	1	4	15	20	ASCI

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	2	45	55	100	100	4	1	5	49	56	105
KisanMela	1	105	195	300	100	5	2	7	110	197	307
KisanGhosthi	-	-	-	-	-	-	-	-	-	-	-
Exhibition	2	155	245	400	100	8	2	10	163	247	410
Film Show	32	385	395	780	90	4	2	6	389	397	786
Method Demonstrations	-										
Farmers Seminar	-										
Workshop	-										
Group meetings	11	125	205	330	95	4	1	5	129	206	335
Lectures delivered as resource persons	32	980	620	1600	75	46	6	52	1026	626	1652
Advisory Services	-										
Scientific visit to farmers field	170	735	115	850	70	75	5	80	810	120	930
Farmers visit to KVK	200										
Diagnostic visits	220	1364	396	1760	60	24	5	29	1388	401	1789
Exposure visits	4	21	0	21	90	4	0	4	25	0	25
Ex-trainees	3	6	1	75	85	5	2	7	65	17	82

Sammelan		0	5								
Soil health Camp	4	150	50	200	80	5	2	7	160	52	212
Animal Health Camp	-	-	-	-	-						
Agri mobile clinic	-	-	-	-	-						
Soil test campaigns	50	650	350	1000	70	15	5	20	665	355	1020
Farm Science Club Conveners meet	-	-	-								
Self Help Group Conveners meetings	-	-	-	-							
Mahila Mandals Conveners meetings	-	-	-	-							
Celebration of important days (specify)	5	135	115	250	75	12	5	17	147	120	267
Sankalp Se Siddhi	-	-	-								
Swatchta Hi Sewa	36	375	345	720	80	15	7	21	390	352	742
Mahila Kisan Divas	01	0	50	50	85	2	2	4	2	52	54
Any Other (Specify)											
Total	773	5285	3151	8436	1255	228	47	274	5518	3198	8716

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	15
Radio talks	-
TV talks	-
Popular articles	-
Extension Literature	2
Other, if any	

3.5 a. Production and supply of Technological products

Village seed

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in village seed production	Number of farmers to whom seed provided			
					SC	ST	Other	Total

Total								

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Grand Total							

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower							
Cabbage							
Tomato							
Brinjal							
Chilli							
Onion							
Others							
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

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted			
			SC	ST	Other	Total
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			
				SC	ST	Other	Total
Dairy animals							
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							
Small ruminants							
Sheep							
Goat							
Other, please specify							
Poultry							
Broilers							
Layers							
Duals (broiler and layer)							
Japanese Quail							
Turkey							
Emu							
Ducks							
Others (Pl. specify)							
Piggery							
Piglet							
Hog							
Others (Pl. specify)							
Fisheries							
Indian carp							
Exotic carp							
Mixed carp							
Fish fingerlings							
Spawn							

Others (Pl. specify)				
Grand Total				

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

i) Name of Seed Hub Centre:

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

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2018						
Rabi 2018-19						
Summer/Spring 2019						

iii) Financial Progress

Fund received (2016-17, 2017-18 and 2018-19)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17				
2017-18				
2018-19				

iv) Infrastructure Development

Item	Progress
Seed processing unit	***nil***
Seed storage structure	

3.6.

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

Item	Title	Author's name	Number	Circulation
Research paper	-			
Seminar/conference/ symposia papers	-			

Books	-			
Bulletins	Mrutika Parikhya O Mrutika Swastha	B.Taria, Dr. G.C. Sahoo and Dr. N. Bar	3000	3000
News letter	Sabuja sathi	Published by KVK (Nabarangpur)	500	500
Popular Articles	-			
Book Chapter	-			
Extension Pamphlets/ literature	-			
Technical reports	-			
Electronic Publication (CD/DVD etc)	-			
TOTAL			3500	3500

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: N.A

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.					
2.					
3.					
4.					
5.					
6.					
7.					

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

Name of farmer	
Address	
Contact details (Phone, mobile, email Id)	
Landholding (in ha.)	
Name and description of the farm/ enterprise	
Economic impact	
Social impact	
Environmental impact	
Horizontal/ Vertical spread	

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

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

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

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

b. Give details of organic farming practiced by the farmer

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)
1	Vegetable	3 acre	1500q	10	Y

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

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

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

Sl. No	Name of the Equipment	Qty.
1	pH meter	1 no.
2	EC meter	1 no.
3	Spectrophotometer	1 no.
4	Flame photometer	1 no.
5	Digital balance	1 no.
6	Mechanical shaker	1 no.
7	Hot air oven	1 no.
8	N-Autoanalyser	1 no.
9	Mridaparikshyak	1 no.
10	Hydrometer	1 no.

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			
NIL	532	532	532	11	Nil

3.11.c. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1	Farmer Scientist Interaction	200	2	2. Mr Monohar randhari, MLA, Nabarangpur 2.Dr. A.K. Mishra , Collector cum DM, Nabarangpur	200	200

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

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

3.13. Technology week celebration

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

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

No of student trained	No of days stayed
2	7

ARS trainees trained	No of days stayed
-	

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

Date	Name of the person	Purpose of visit
02.0602018	Dr .Ajit Mishra,Collector cum District Magistrate,Nabarangpur	KKA Covergence meeting
27.09.2018	Dr.M.Mahapatra,Jt. Director,DEE,OUAT,BBSR	Monitoring of KVK Activities
04.02.2019	Dr.M.Mahapatra,Jt. Director,DEE,OUAT,BBSR	SAC meeting
25.06.2018	Dr.R.S.Kureel,Director,Crop production division,New Delhi	Monitoring KKA activities
12.06.2018	Sh.Ram Sajeevan,Minitry of agriculture,New Delhi	Monitoring KKA activities
30.12.2018	Sh.S.Patra,Information Activist ,New Delhi	Visited to see KVK activities

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)
Mushroom cultivation	15	86.7	Rs. 50/Bed	Rs. 100/Bed
Vermitechnology	20	90.0	Rs. 2500/tank	Rs. 5000/tank
Backyard poultry	25	80.0	Rs. 160/Bird	Rs. 400/Bird

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

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread
Cultivation of kharif Onion	500 ha
Use of herbicide Pretilachlor (6%)+ Bensulfuron methyl (0.6%) (Londex power) @ 10kg/ha at 3 DAT followed by post-**emergence** spraying of Bispyribac Sodium 10% SC(9.5 %W/W) @ 300 ml/ha at 10-15 DAT in paddy	20,000 ha
STBFA in Maize	20,000 ha
STBFA in Rice	50,000 ha
Intercropping of Cowpea in Maize	10,000 ha
Intercropping of Blackgram in Maize	10,000 ha
Cultivation of Tissue culture Banana	500 ha
Use of light trap for control of Yellow stem borer in Rice	5000 ha

Give information in the same format as in case studies

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

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

4.4. Details of innovations recorded by the KVK

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

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	
Name & complete address of the entrepreneur	
Role of KVK with quantitative data support:	

Timeline of the entrepreneurship development	
Technical Components of the Enterprise	
Status of entrepreneur before and after the enterprise	
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	
Horizontal spread of enterprise	

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
ASCI,New Delhi	Sponsored trainings on Mushroom cultivation and Vermicomposting for Rural Youth
ATMA,Nabarangpur	Sponsored training on Skill development training for Rural Youth on Mushroom cultivation

5.2. List of special programmes undertaken during 2018-19 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

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

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

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

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.	Poll House	2018	2 cents.	Hyb var.	Vegetable seedlings	30,000 nos.	Rs. 5000	Rs.15, 000	
2.	Verm	201	1	Vermico	vermicomp	Vermicomp	Rs.500	Rs.10,	

	icomposting unit	2	cents.	mpost by Eudrillus eugenea	ost	ost-10q, Vermiworm-10 kg		000	
4.	Herbal Garden	2018	5 cents.	Medicinal plants	Seedlings	---	---	---	
7.	Mushroom production unit	2018	150 beds	Oyster mushroom and paddy straw mushroom	Mushroom	1 q	Rs. 4500	Rs. 10,000	
8	Tissue culture Banana	2017	100 nos.	G-9	Green Banana	2.5 q	Rs. 5000	Rs.30, 000	
	Total								

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income(Anticipated)	
Paddy	12.06.2018	09.11.2018	1.5	Sahabhagi	F/S	46	60,000	Rs.124200	
Arhar	21.06.2018	23.11.2018	3	PRG-176	C/S	14.2	85,000	Rs .1,56,200	

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

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

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

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

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

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

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed: Existing
No. of staff quarters:
Date of completion:
Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI
	All quarters filled up during 2018-19					

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Contingency	State Bank of India	Main Branch, Umerkote	11258555265
Revolving Fund	State Bank of India	Bazar Branch, Umerkote	31842335858

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	
Black Gram	Rs.1,78,800/-		Rs.1,34,053/-		Rs.44,747/-
Ground Nut	Rs.2,40,000/-		Rs.2,06,886/-		Rs.33,114/-

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2013
	Kharif	Rabi	Kharif	Rabi	
Chick Pea		Rs.1,80,000/-		Rs.1,64,965/-	Rs.15,035/-

7.4. Utilization of KVK funds during the year 2018-19 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	Rs.75,20,000/-		

2	Traveling allowances	Rs.75,000/-	Rs.75,000/-	Rs.70,000/-
3	Contingencies	Rs.13,48,800/-	Rs.10,98,800/-	Rs.10,98,800/-
A	TSP	12,48,000/-	Rs.9,98,800/-	Rs.9,98,800/-
B	Stationary, telephone, postage & other expenditure on office running, publication of Newsletter	Rs.40,000/-	Rs.40,000/-	Rs.40,000/-
C	POLs, repair or vehicle, tractor & equipment			
D	Training of farmers	30,000/-	Rs.30,000/-	Rs.30,000/-
E	i.Meals/refreshment of trainees			
F	ii.Training materials (need based materials and equipments for conducting the training)			
G	Training of extension functionaries			
H	Training of Rural Youth			
I	Training of extension functionaries			
J	Front Line Demonstration except Oil seeds and pulses	Rs.20,000/-	Rs.20,000/-	Rs.20,000/-
K	On-Farm testing (on need based, location specific and newly generated information in the major production systems of the area)	Rs.10,000/-	Rs.10,000/-	Rs.10,000/-
L	Scientific Advisory committee meeting			Rs.12,220/-
M	World soil day celebration			
N	Maintenance of building	----------	----------	----------
O	Cluster demonstration on oilseeds and pulses	Rs.6,10,000/-	Rs.5,98,800/-	Rs.5,05,904/-
P	Krishi Kalyan Abhiyan	Rs.1,70,000/-	Rs.1,68,800/-	Rs.1,68,532.50/-
Q	ASCI	Rs.3,30,400/-	Rs.3,29,200/-	Rs.3,21,9688.50/-
R	STRY	Rs. 42,000/-	Rs. 42,000/-	Rs. 42,000/-
S	NADEP	Rs. 21,00,000/-	Rs. 21,00,000/-	Rs. 21,00,000/-
T	Pre- Rabi Awareness Camp	Rs.80,000/-	Rs.80,000/-	Rs.80,000/-
U	Drip Irrigation	Rs.,1,00,000/	Rs.98,800/-	Rs.98,800/-
V	Swachhta Expenditure			
TOTAL (A)				
B. Non-Recurring Contingencies				
1	Renovation /repairs of old building	Rs. 5,97,000/-	Rs. 5,97,000/-	Rs. 5,97,000/-
TOTAL (B)		**Rs. 5,97,000/-**	**Rs. 5,97,000/-**	**Rs. 5,97,000/-**
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2015-16	Rs.2,74,645/-	Rs.51,500/-	59,889	
2016-17	Rs.2,66,256/-	Rs.1,29,410/-	76,082.5	
2017-18	Rs.90,387/-	1,08,790/-	91,144.6	
2018-19			1,59,454.85	

7.6. (i) Number of SHGs formed by KVKs
(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities
(iii) Details of marketing channels created for the SHGs

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both
Skill development training for Rural Youth on Mushroom cultivation	1	Rabi.2018-19	-	Yes	-
KKA-1	10	Kharif,2018	Yes	-	-
KKA-2	10	Rabi.2018-19	Yes	-	-

8. Other information

8.1. Prevalent diseases in Crops

Name of the disease/Insect pest	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)
Fall Army Worm	Maize	01.12.2018	10,000 ha	12 %	10,000 ha

8.2. Prevalent diseases in Livestock/Fishery

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

9.1. Nehru Yuva Kendra (NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

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

Type of message	No. of messages	No. of farmers covered
Crop	48	17400
Livestock		
Fishery		
Weather		
Marketing		
Awareness		
Training information	12	3000
Other		
Total		

9.4. *KVK* Portal and Mobile App

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

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
First three Sundays of every month	Cleaning of office campus,demo units, Motivation and cleaning of villages

b. Details of Swachhta activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office	-	0.0
2. Basic maintenance	1	0.0
3. Sanitation and SBM	2	0.0
4. Cleaning and beautification of surrounding areas	15	0.0
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	15	0.0
6. Used water for agriculture/ horticulture application	1	0.0
7. Swachhta Awareness at local level	4	0.0

8. Swachhta Workshops	-	0.0
9. Swachhta Pledge	-	0.0
10. Display and Banner	-	0.0
11. Foster healthy competition		0.0
12. Involvement of print and electronic media	-	0.0
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	1	0.0
14. No of Staff members involved in the activities	9	0.0
15. No of VIP/VVIPs involved in the activities	-	0.0
16. Any other specific activity (in details)	-	
Total		**0.0**

9.6. Observation of National Science day

Date of Observation	Activities undertaken
-	

9.7. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants
-		

9.8. Agriculture Knowledge in rural school

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

Give good quality 1-2 photograph(s)

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

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

08.03.2019	NIL	NIL	NIL	NIL	NIL	NIL	NIL	200	10	210	NIL	01

9.10. Details of Swachhta Hi Sewa programme organized

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

9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
01	At kvk campus		50		

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	Miri Bhatra	Vill-Managuda,Block-Jharigaon,Nabarangpur,9556659487	Vermicomposting
2	Pravat Mandal	At-Umerkote,Nabarangpur,	Mushroom cultivation

9.13. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Training	Rs.330000	ASCI,New Delhi
2.	Training	Rs. 42000	ATMA,Nabarangpur
3.			

9.14. Resource Generation:

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

9.15. Performance of Automatic Weather Station in KVK

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

9.16. Contingent crop planning

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

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

a) Year:
b) Introduction / General Information:

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

11. Details of TSP

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

Programmes	**Physical achievements**
Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	Sprayer-10 nos., Maize sheller-200 nos., Bhindi plucker-200 nos.,
On-farm trials (Number)	9
Frontline demonstrations (Number)	15
Farmers training (in lakh)	0.00885
Extension personnel training (in lakh)	0.0006
Participants in extension activities (in lakh)	0.11423
Seed production (in tonnes)	6.02
Planting material production (in lakh)	0.3
Livestock strains and fingerlings production (in lakh)	-
Soil, water, plant, manures samples testing (in lakh)	0.00532
Provision of mobile agro – advisory to farmers (in lakh)	0.174
No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	Swachha Bharat Abhiyaan-36, Planting material distribution-7

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	%	50
2	Change in family consumption level	%	30
3	Change in availability of agricultural implements/ tools etc.	No. per household	3

d. Location and Beneficiary Details during 2017-18

District	***Sub-district***	***No. of Village covered***	***Name of village(s) covered***	***ST population benefitted (No.)***		
				M	F	T
Nabarangpur	Nabarangpur	5	Managuda, Chikalpadar, Bhamini,Junapani,Chhatabeda,	500	250	750

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

Natural Resource Management

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

Crop Management

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

Livestock and fisheries

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

Institutional interventions

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

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1	OUAT Foundation day award	Dhaneswar Majhi	2018	OUAT	--	Outstanding achievement in Crop production

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

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

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

16. Integrated Farming System (IFS)

Details of KVK Demo. Unit

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

17. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	Mushroom cultivation	➢ Skill ➢ Quality spawn ➢ Forward linkage with retailers	Rs. 150 per Bed	500 nos.	

2	Backyard Poultry	➢ Skill ➢ Dual purpose synthetic bird Banaraja ➢ Forward linkage with retailers	Rs. 200 per bird	500 nos.	

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

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

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

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

20. a) Information on **ASCI** Skill Development Training Programme, if undertaken during 2017-18 and 2018-19

Year	Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants	Whether uploaded to SDMS Portal (Y/N)	Fund utilized for the training (Rs.)
2016-17							
2017-18							
2018-19	Mushroom grower	s.sahoo	6.3.19	30.3.19	20	2018-19	Mushroom grower
2018-19	Vermicompost producer	P.Murmu	18.12.2018	11.01.2019	20	2018-19	Vermicompost producer

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2018-19

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

Mushroom cultivation	**Skill training for Rural Youth**	**56**	**4**	**-**	**10**	**-**	**1**	**-**	**15**	**-**	**15**	**42,000**

21. Information on NARI Project (if applicable)

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

22. Information on Krishi Kalyan Abhiyan Phase- I/ Phase-II/ Phase-III, if applicable

Krishi Kalyan Abhiyan- I and II

A. Training

Name of programme	*No. of programmes*	*No. of farmers benefitted*									*No. of officials attended the programme*
		SC		*ST*		*Others*		*Total*			
		M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*T*	
KKA-I	75	*200*	*100*	*200*	*100*	*425*	*225*	*825*	*425*	*1250*	52
KKA-II	75	*210*	*100*	*210*	*100*	*400*	*230*	*820*	*430*	*1250*	48

B. Distribution of seed/ planting materials/ input/ others

Name of programme	*No. of Programme*	*Total quantity distributed*				*No. of farmers benefited*									*No. of other officials (except KVK) attended the programme*
		Seed (q)	*Planting material (lakh)*	*Input (kg)*	*Other (kg/ No.)*	*SC*		*ST*		*Others*		*Total*			
						M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*T*	

KKA-I	*25*	*Groundnut-442.2q, Paddy-18q, Moong-80q*	*0*	*PSB-2q, Azotobactor-5q*	*0*	*625*	*0*	*2150*	*0*	*100*	*0*	*2875*	*0*	*2875*	*34*
KKA-II	*25*	*Mustard-10q*	*0*	*0*	*0*	*125*	*0*	*275*	*0*	*100*	*0*	*500*	*0*	*500*	*18*

C. Livestock and Fishery related activities

Name of programme	*No. of Programme*	*Activities performed*				*No. of farmers benefited*									*No. of other officials (except KVK) attended the programme*
		No. of animals vaccinated	*No. of animals dewormed*	*Feed/ nutrient supplements provided (kg)*	*Any other (Distribution of animals / birds/ fingerlings) [No.]*	*SC*		*ST*		*Others*		*Total*			
						M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*T*	
KKA-I	*25*	*9564*	*633*	*..*	*….*	*783*	*0*	*2530*	*0*	*598*	*0*	*3911*	*0*	*3911*	*15*
KKA-II	*-*	*5416*	*187*	*-*	*-*	*1280*	*0*	*3075*	*0*	*1248*	*0*	*5603*	*0*	*5603*	*15*

D. Other activities

Name of programme	*Activities*	*No. of farmers benefited*									*No. of other officials (except KVK) attended the programme*
		SC		*ST*		*Others*		*Total*			
		M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	T	
KKA-I	Soil Health Card Distributed	210	100	613	315	199	105	1022	520	1542	11
	NADEP Pit established	40	10	320	80	40	10	400	100	500	12
	Farm implements distributed										
	Others, if any										
KKA-II	Soil Health Card Distributed										-

	NADEP Pit established										-
	Farm implements distributed										-
	Others, if any										

Krishi Kalyan Abhiyan- III

No. of villages covered	***No. of animal inseminated***	***No. of farmers benefitted***									***Any other, if any (pl. specify)***
		SC		***ST***		***Others***		***Total***			
		M	***F***	***M***	***F***	***M***	***F***	***M***	***F***	T	
	-										

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

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

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

Assessment of Herbicide(Pretilachlor 6%+ Pyrazosulfuron Ethyl 0.15% GR) for weed management in transplanted Rice

Assessment of split application of nitrogen by LCC in Maize

Assessment of kharif onion to substitute maize in upland

Demo on Soil sample collection , KVK campus , Umerkote

ASCI Training on Vermicomposting

CFLD on Ground nut var.Devi, Kharif,2018

Preparation of Mushroom soup powder

Capacity building programme under KKA-I,Vill-Goramba

Capacity building programme under KKA-I,Vill-Chhatabeda

Distribution of Agril.implements under KKA-I