ANNUAL PROGRESS REPORT 2018-19

Krishi Vigyan Kendra, Sundargarh-I

O.U.A.T

ICAR

Odisha University of Agriculture and Technology, Bhubaneswar

ANNUAL REPORT 2018-19 (April 2018to March 2019) of KVK, Sundargarh-I, Odisha

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
Krishi Vigyan Kendra,	Office	FAX	kvksundargarh1.ouat@gmail.com
At/P.o – Kirei, Sundargarh			pckvksng@yahoo.co.in

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

Address	Telephone		E mail
	Office	FAX	
Odisha University of Agriculture and Technology, Bhubaneswar, ODISHA PO- Suryanagar, PIN – 751 003	(+91) 674 2397970/2397818/ 2397719/ 2397669 / 2397719 / 2397919 / 2397868	-	registrarouat@gmail.com

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

Name	Telephone / Contact		
Dr. Laxmipriya Pradhan	Residence	Mobile 9438041580	Email laxmiouat@gmail.com

1.4. Year of sanction of KVK:March'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. Laxmipriya Pradhan	Senior Scientist & Head	Home Science	22320-8000-39100	17/5/18	Permanent	Others
2	Scientist - 1	David James Bage	Scientist	Agriculture. Extension	15600-6000-39100	8/8/2012	Permanent	ST
3	Scientist – 2	Dr. SatyamayaSatapathy	Scientist	Agronomy	15600-6000-39100	16/12/2010	Permanent	Others
4	Scientist – 3	Mrs. SanghamitraSahu	Scientist	Plant Protection	15600-6000-39100	29/12/2015	Permanent	SC
5	Scientist – 4	Vacant						
6	Scientist – 5	Vacant						
7	Scientist - 6	Vacant						
8	Programme Assistant	MuddadaDibyanath	Programme Assistant	Fishery	9300-4200-34800	10/8/2018	Permanent On probation	Others
9	Computer Programmer	Arun Kumar Mishra	PA(Computer)		9300-4200-34800	1/7/2011	Permanent	Others
10	Farm Manager	Rabi Sankara Mishra	Farm Manager	Plant Pathology	9300-4200-34800	10/2/2015	Permanent	Others
11	Accountant / Superintendent	Vacant						
12	Stenographer	Vacant						
13.	Driver	Bhramarbar Sa	Driver-cum-Mechanic		5200-1900-20200		Permanent	
14.	Driver	Dipak Kumar Das	Driver-cum-Mechanic		5200-1900-20200	25/7/2015	Permanent	SC
15.	Supporting staff	Gajanan Chhanda	Peon-cum-Watchman		4440-1500-7440	18/6/2013	Permanent	OBC
16.	Supporting staff	Vacant						

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	0.559
2.	Under Demonstration Units	0.328
3.	Under Crops	2.0
4.	Orchard/Agro-forestry	0.9
5.	Others with details	Forest Plantation-2.0Aquaculture – 1.0, IFS-2.0Wasteland-30.0
	Total	**42.10**

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

Sl. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					yes	800	Yes	ICAR
2.	Farmers Hostel					yes	2400	Yes	ICAR
3.	Staff Quarters (6)					yes	6600	Yes	ICAR
4.	Fencing					yes	168000	Yes	RKVY
5.	Rain Water harvesting structure					yes	2000	Yes	ICAR
6.	Threshing floor					yes	198	Yes	ICAR
7.	Farm godown					yes	200	Yes	ICAR
8.	Poultry unit					yes	60	Yes	RKVY
9.	Goatary unit					yes	60	Yes	ICAR
10.	Mushroom Lab					yes	25	Yes	RKVY
11.	Mushroom production unit					yes	300	Yes	RKVY
12.	Shade house					yes	35	Yes	ICAR
13.	Soil test Lab					yes	40	Yes	ICAR
14.	**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
Tata Sumo	2005	500000	1; 98,000	Condemned in Dec 2018
Hero Honda Motorcycle	2005	50000	-	Need to repair

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Soil Lab equipment	2015-16	12,00,000	working	ICAR
b. Farm machinery				
c. AV Aids				
PA System	2015-16	50,000	working	ICAR
Microphones	2015-16	22,000	working	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Power Tiller	2016-17	2,87,000	Running	ICAR
Power Weeder	2016-17	86,000	Running	ICAR
Brush Cutter	2011-12	45,000	Running	ICAR
Rotavator	2016-17	1,80,000	Running	ICAR
Cultivator	2016-17	30,000	Running	ICAR
NAPSAK Battery Sprayer	2014-15	2,800	Running	ICAR
Power Sprayer	2015/16	36,500	Running	ICAR
Foot Sprayer	2013/14	4,800	Running	ICAR
Prunning Saw	2017/18	14,000	Running	ICAR
2 hp pump	2014-15	38,000	Running	RKVY

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.	18/12/2018	31	Production and marketing strategy of vermin compost is to be started in KVK adopted villages	Popularization of Vermicomposting taken up under TSP villages	
			Promotion of organic farming on group basis and develop organic villages with the help of PD, ATMA	Organic cluster villages have been taken up by NGO CIRTD under PKVY. KVK supporting in training programme with less use/ no use of fertilizer identified and improved methods of cultivation on paddy, pulses and vegetables were promoted. Mostly KVK promoting Nutritional garden on organic basis	
			Strategy for marketing and value addition of Ragi to be developed	Plan to develop awareness on primary processing unit at SHGs level	
			Crop insurance of families to be developed	Awareness on PMFBY for crops and individual farmers on PMJJY and PMJSY in each and every operational village	
			Crop diversification programmes to be continued.	Popularization of crop diversification to non paddy (Oilseeds and Pulses) and off season vegetables for more profit.	
			Kharif Onion and Kharif Tomato	Kharif onion (Agro Found Red) has been taken up in adopted	

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
			should be encouraged	villages through department of Horticulture.	
			Popularization of Value added Maize crops such as Baby com & Sweet Corn to be taken up	Value addition of Maize crops such as Baby corn & Sweet Corn has not been taken up	
			High Yield Variety of Ginger and Tomato to be included in Action Plan	Prepared crop cafeteria on Suprava variety of Ginger and Roma &Surama of Termeric seed materials from HARS Pottangi for multiplication seed in KVK instructional farm . Next year it will be taken on Action plan for farmers field SwornaSampad taken by Framers and ArkaRakshya taken by KVK, Sundargarh-II in their farmers field	
			Backyard Poultry to be further encouraged and strengthened	Under TSP 27 SHGs have been supported for backyard poultry of Vanraja. New colour bird like Rainbow roster, Kavari, white leg, Blackrock reared by KVK& providing in their adopted villages.Kadaknath will supply in the month of february.	
			Knowledge and skill development on vegetable cultivation for Farm Women should be emphasized	Trainings on vegetable cultivations have been taken up Dept of Hort, to which KVK regularly conducting training. Promoting Nutritional gardening in backyard areas for WSHGs	
			Mushroom cultivation should be given importance	32 Mushroom farmers had been extensively trained under vocational training of which 12 farmers have started mushroom production in their own units. One OFT started on production of paddy straw mushroom with threshed strw.Supplying Mushroom spawn to the TSP farmers	
			Grooming of farmer promoter to be taken to next level	Farmers promoters have been trained regularly in start of every season and act as an extended arm of the K.V.K.	
			Popularization of herbicide application for increasing yield and income to be made in campaign mode	OFT and FLD on application herbicides in DSR, Greengram and Blackgram already taken up for decreasing the cost of cultivation and increasing the income.	
			Fruit crops other than Mango should be promoted	Promotion of a entrepreneur on Banana cultivation in village Amasaranga.& 7 varities of tissue culture banana trial through AICRP on tissue culture, Bhubaneswar by KVK. 4 nos of farmers have been developed through NHB scheme on Banana cultivation	

** 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)

<table>
<tr><th>Sl. no.</th><th>Item</th><th>Information</th></tr>
<tr><td>1</td><td>Major Farming system/enterprise</td><td>Rice-fallow Rice-Sesamum- fallow, Rice-greengram, Rice-vegetable</td></tr>
<tr><td>2</td><td>Agro-climatic Zone</td><td>North Western Plateau Zone (1)</td></tr>
<tr><td>3</td><td>Agro ecological situation</td><td>AES-I – Low rainfall, lateritic soil, AES-II – Medium rainfall, red and black soil, AES-III – High rainfall, lateritic soil, AES-IV – Medium rainfall, black and brown forest soil.</td></tr>
<tr><td>4</td><td>Soil type</td><td>Red and yellow lateritic, Black, Red, Sandy, Sandy loam type</td></tr>
<tr><td>5</td><td>Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others (fig in kg/ha)</td><td>
<table>
<tr><th>Crop</th><th>Productivity (q/ha)</th><th>Crop</th><th>Productivity (q/ha)</th><th>Crop</th><th>Productivity (q/ha)</th></tr>
<tr><td>Paddy (Kharif</td><td>26.8</td><td>Horsegram</td><td>4.70</td><td>Cowpea (Kharif)</td><td>8.60</td></tr>
<tr><td>Rabi</td><td>32.61</td><td>Arhar</td><td>9.63</td><td>Rabi</td><td>8.93</td></tr>
<tr><td>Greengram (Kharif)</td><td>4.74</td><td>Sesamum</td><td>4.31</td><td>Chickpea</td><td>5.45</td></tr>
<tr><td>Rabi</td><td>6,10</td><td>Mustard</td><td>4,80</td><td>Onion</td><td>55,50</td></tr>
<tr><td>Blackgram (Kharif)</td><td>4,60</td><td>Niger</td><td>3.80</td><td>Potato</td><td>79.80</td></tr>
<tr><td>rabi-</td><td>5,25</td><td>Ragi</td><td></td><td>Chilli</td><td>8.97</td></tr>
</table>
</td></tr>
<tr><td>6</td><td>Mean yearly temperature, rainfall, humidity of the district</td><td>Min-(12-28^{0}C), Max -(28-45^{0}C) ,1429mm,</td></tr>
<tr><td>7</td><td>Production of major livestock products like milk, egg, meat etc.</td><td>Milk -49.486 ‘000MT; Egg-58.68 Million; Meat--14.34 ‘000MT</td></tr>
</table>

Note: Please give recent data only

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

Sl. No.	Name of Taluk/ Panchayat	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1	Kinjirma	Sadar	Birjaberna	Rice-groundnut	Low yield of rice, ragi oilseeds (groundnut, mustard), Pulses (blackgram, greengram), vegetables (Tomato, brinjal, okra,) Tubers (onion, Potato) ,Chilli, High gap in technology adoption	INM, IPM, Varietal substitution, crop improvement, organic farming, nutritional security, NTFP, value addition, income generation activities
2	Lahandabud	Sadar	Lahandabud	Rice-	Low yield of rice, ragi oilseeds (sesamum, mustard), Pulses (Horsegram, arhar, greengram), vegetables (Tomato, brinjal, okra,) Tubers (onion, potato) High gap in technology adoption Deficiency of micronutrients (Vegetable)	INM, IPM, Varietal substitution, crop improvement, organic farming, nutritional security, NTFP, value addition, income generation activities
3	Barangakachhar	Bargaon	Barangakachhar, talimunda	Rice, Arhar, sesamum, ragi, niger, horsegram	Low yield of rice, ragi oilseeds (sesamum, mustard), Pulses (Horsegram, arhar, greengram), vegetables (Tomato, brinjal, okra,) Tubers (onion, potato) High gap in technology adoption	INM, IPM, Varietal substitution, organic farming, vegetable farming, Apiculture, NTFP
4.	Rajgangpur	Rajgangpur	Ranibandh, Jhagarpur	Rice, Vegetables, Mustard, greengram,	Low yield of rice oilseeds (mustard, sunflower), Pulses (Horsegram, arhar, greengram), vegetables (Tomato, brinjal, okra,) Tubers (onion, potato) low yield, lack of technology, gap in knowledge and skill, no value addition,	INM, IPM, value addition, vegetable cultivation.Dairy farming, off-season vegetable cultivation, income generation activities
5.	Kiripsira	Tangarpali	Khamarbahal	Rice, green gram, groundnut, onion, potato, tomato, vegetables	Low yield of rice, ragi oilseeds (sesamum, mustard), Pulses (Horsegram, arhar, greengram), vegetables (Tomato, brinjal, okra,) Tubers (onion, potato) medium- High gap in technology adoption in all crops	Training on INM, IPM, Varietal substitution, crop improvement, organic farming, nutritional security, NTFP, value addition, Fisheries, creation of organic input products, income generation activities, Hand holding Support to 4 SHGs

2.c. Details of village adoption programme:
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
Birjaberna, Lahandabud	Sundargarh	Training on INM, IPM, Varietal substitution, crop improvement, organic farming, nutritional security, NTFP, value addition, Fisheries, creation of organic input products, income generation activities, Hand holding Support to 4 SHGs by asset creation in the village on drudgery reduction small tools, community nursery
Barangakachhar and Talimunda	Bargaon	Training on INM, IPM, Varietal substitution, crop improvement, organic farming, nutritional security, NTFP, value addition, Fisheries, creation of organic input products, income generation activities, Hand holding Support to 9SHGs by asset creation in the village on drudgery reduction small tools, community nursery
Ranibandh and Jhagarpur	Rajgangpur	Training on INM, IPM, Varietal substitution, crop improvement, organic farming, vegetable farming nutritional security, value addition, Fisheries, creation of organic input products, income generation activities, Hand holding Support to 3 Urban SHGs by asset creation in the village on drudgery reduction small tools, community nursery
Khamarbahal	Tangarpali	Training on INM, IPM, Varietal substitution, crop improvement, organic farming, nutritional security, NTFP, value addition, Fisheries, creation of organic input products, income generation activities, Hand holding Support to 4 SHGs by asset creation in the village on drudgery reduction small tools, community nursery
Masabira	Lephripada	Training on INM, IPM, Varietal substitution, crop improvement, organic farming, nutritional security, NTFP, value addition, Fisheries, creation of organic input products, income generation activities, Hand holding Support to 4 SHGs by asset creation in the village on drudgery reduction small tools, community nursery

2.1 Priority thrust areas

S. No	Thrust area
1.	To increase yield by substituting local / degraded varieties in vegetables and field crops.
2.	To control disease & insect pest by integrated methods of pest control with organic articulation.
3.	To promote integrated nutrient management in crop production.
4.	To promote cultivation of lucrative off-season vegetables.
5.	Emphasize on increasing the acreage of the fruit crops like mango, banana on commercial scale.
6.	Popularize diversified cropping pattern in uplands (Oilseeds/Pulses/Maize).
7.	Popularize integrated weed & nutrient management in crop production.
8	Market led extension
9	Developing farm management skills
10	Empowerment of farm women and rural youth
11	Improvement of soil health through popularization of organic farming
12	Enhancing productivity of horticultural crops through crop diversification
13	Identification of integrated farming system
14	Income generation activity through SHG
15	Plant protection measures and emphasis on mushroom cultivation
16	Formation and management of SHG
17	Production and distribution of seeds and planting materials

3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD										
No. of technologies tested: 6												No. of technologies demonstrated: 7										
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
6	6	115	19	9	38	14	21	11	80	35	115	10	7	100	2	2	28	21	9	8	39	31	70

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
50	46		107	39	454	373	38	74	599	486	1085	285	281		993	633	1614	1790	695	621	5946	2484	8430

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
30	30	1	4	4	6	3	12	8	22	30											

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
25.5	26.6	80000	70500

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

* 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	1	500	1	4.41	4.41		
Seminar/conference/ symposia papers	2	200					
Books	2	500					
Bulletins	4	500					
News letter	2	1000					
Popular Articles	2	1000					
Book Chapter							
Extension Pamphlets/ literature	2	500					
Technical reports	8	1000					
Electronic Publication (CD/DVD etc)	1	50					
Training Manual (Mushroom cultivation)	1	1000					
TOTAL	25	7250					

1 Achievements on technologies assessed and refined

OFT-1

1.	**Title of On farm Trial**	**Assessment of herbicide in direct seeded rice**
2.	Problem diagnosed	Low yield due to heavy weed infestation in DSR
3.	Details of technologies selected for assessment/refinement	Assessed, TO-I - Application of Bispyribac Sodium @ 30g a.i /ha at 8-10 DAS/ OR 2-3 leaf stage of weeds (200ml/ ha. Commercial product) TO2- Application of Fenoxaprop-p-ethyl @ 60 g a.i /ha at 18-20 DAS/ OR 3-4 leaf stage of weeds (625 ml/haCommercial product)
4.	Source of Technology	NRRI, Cuttack 2015
5.	Production system and thematic area	Rainfed medium land, IWM
6.	Performance of the Technology with performance indicators	WCE(%) of herbicide, Yield attributing characters, Yield, B:C Ratio
7.	Final recommendation for micro level situation	Herbicide plays an important role in DSR for increase in productivity controlling weed effectively
8.	Constraints identified and feedback for research	Timely application of herbicide is a problem due to rainfall. Non-availability of the herbicide in near by towns.
9.	Process of farmers participation and their reaction	Training, Method Demonstration. Farmers are satisfied

Thematic area: IWM

Problem definition: Heavy weed infestation

Technology assessed: To1-Application of Bisparibac sodium @30g a.i. /ha at 8-10 DAS or 2-3 leaf stage of weed

To2-Application of fenoxaprop-p-ethyl @60g a.i. /ha at 18-20 DAS or 3-4 leaf stage of weed

Table:

Technology option	**No. of trials**	**Yield component**			**Dry wt. of weed/m^2**	**Yield (q/ha)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
		No. of effective tillers/hill	**No. ofgrains per panicle**	**Test wt. (100 grain wt.)**						
FP	13	4.8	168	22.6	60.75	29	35000	50750	15750	1.45
T1		7.4	225	22.8	6.75	32.8	32000	57400	25400	1.79
T2		7.0	192	23.1	13.5	31.5	31400	55125	23725	1.76

Results: Increase in Yield T1 over FP is 13% (32.8q)/ha and T2 over FP is 8.6%

OFT-2

1.	**Title of On farm Trial**	**Assessment of herbicide in Blackgram**
2.	Problem diagnosed	Low yield due to heavy weed infestation in Kharif Blackgram
3.	Details of technologies selected for assessment/refinement	Assessed TO-1 - Seed treated with Imidachloprid and rhizobium innoculation, line sowing with seed cum fertilizer drill, application of pre emergence herbicide pendimethaline @ 1 lt per acre followed by one hand weeding. TO-2 - Seed treated with Imidachloprid and rhizobium innoculation, line sowing with seed cum fertilizer drill, application of post emergence herbicide Imazthapyr 10% SL at 20 to 22 DAS @ 250 ml per acre
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIPR, Kanpur, 2017
5.	Production system and thematic area	Grain legume, IWM
6.	Performance of the Technology with performance indicators	WCE(%) of herbicide, Yield attributing characters, Yield, B:C Ratio
7.	Final recommendation for micro level situation	Controlling weed in Blackgram with herbicide is recommended against manual weeding due to non-availability of labour& not cost effective
8.	Constraints identified and feedback for research	Non-availability of herbicide locally. More studies on preemergence herbicide is required.
9.	Process of farmers participation and their reaction	Training, Method demonstration and awareness campaign. Satisfied with result.

Thematic area:

Problem definition: Kharif Blackgram prone to weed infestaton

Technology assessed: To1 - Seed treated with Imidachloprid and rhizobium innoculation, line sowing with seed cum fertilizer drill, application of pre emergence herbicide pendimethaline @ 1 lt per acre followed by one hand weeding

To2 - Seed treated with Imidachloprid and rhizobium innoculation, line sowing with seed cum fertilizer drill, application of post emergence herbicide Imazthapyr 10% SL at 20 to 22 DAS @ 250 ml per acre

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	Dry wt. of weed						
FP	13			76.6		4.6	23800	32200	8400	1.35
T1				25.6		6.8	22750	47600	24850	2.1
T2				13.8		7.5	23700	52500	28800	2.21

Results: Both herbicides are very useful in controlling weed in Kharif Blackgram resulting in high B:C ratio over farmers practice.

OFT-3(Observation strip at Khamarbahal)

1.	Title of Observation strip	Observation strip trial on performance of paddy variety Swarna Shreya
2.	Problem diagnosed	low yield in farmers variety due to moisture stress condition
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Varietal evaluation, Observation strip Paddy variety Swarna shreya with line transplanting and soil test based nutrient application
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR, RCER, 2015
5.	Production system and thematic area	Rice based, ICM
6.	Performance of the Technology with performance indicators	Yield attributing characters and B:C Ratio
7.	Final recommendation for micro level situation	Growing of drought tolerant varieties to sustain crop
8.	Constraints identified and feedback for research	Non-availability of the variety.
9.	Process of farmers participation and their reaction	Training, Method Demonstraion, Awareness

Thematic area: ICM
Problem definition: Moisture stress affecting yield loss in traditional variety
Technology assessed:
FP- Cultivation of Naveen Variety
To1 – Swarna Shreya

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	Length of panicle	Test wt. (100 grain wt.)						
FP	1	282	24.8			38.2	40000	64940	24940	1.6
T1		294	28.2			44.3	40500	73310	32810	1.81

Results:

OFT-4

1.	Title of On farm Trial	Assessment of Stem borer management in medium land rice
2.	Problem diagnosed	Low yield due to heavy incidence of stem borer
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed TO1 - Nursery treatment with carbofuran3G @ 1.5a.i/ha (1kg/10 deci. Nursery)+alternate spraying of fipronil 5%SC@ 2ml/Lit and Neem oil 3000ppm@3ml/lit water at 15 days interval 55 DAT+ release of T.chilonis @50000/ha twice 7days after spraying TO2 - Nursery treatment with cartap hydrochloride 4G@0.8kg a.i. per ha + alternate spraying of neem oil 3000 ppm and Indoxacarb 14.5 SC @1ml/lit at 55 DAT + twice release of T.chilonis @50000/ha 7 days after spraying
4.	Source of Technology	O.U.A.T, DRR 2010 and PAU 2011
5.	Production system and thematic area	Rice-Rice, IPM
6.	Performance of the Technology with performance indicators	Yield (q/ha), B:C Ratio
7.	Final recommendation for micro level situation	Nursery treatment with Carbofuran @ 1.5a.i./ha+ alternate spraying of Fipronil @ 15 days interval 55 DAT+Twice release of T. Chillonis @ 50,000/ha after spraying
8.	Constraints identified and feedback for research	Availability problem of bioagent (Tricho card), cost effectiveness of chemicals
9.	Process of farmers participation and their reaction	Training, OFT, Method demonstration of installation of Tricho cards

Thematic area: Integrated Pest Management

Problem definition: Major yield loss due to stem borer attack.

Technology assessed: Application of carbofuran before 7 days of uprooting from nursery, Fipronil during pest emergence and release of Tricho cards for sustainable pest 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
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
T_1	13	8	11	1.8	13	33.2			31680	1.46
T_2		17	15	2.3	10	38.2			33740	1.58

Results: Increase in yield(%) is 13.08, Application cartap hydrochloride at nursery stage and application of Indoxacarb 1ml/lit and release of Trichocard in twice after spraying in seven days interval

OFT-5

1.	Title of On farm Trial	Assessment of BPH /WBPH tolerant medium duration rice variety Hasanta
2.	Problem diagnosed	Low yield due to heavy incidence of BPH or WBPH
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	O.U.A.T, BBSR 2016
5.	Production system and thematic area	Rice-Greengram, IPM
6.	Performance of the Technology with performance indicators	Yield(q/ha), B:C Ratio
7.	Final recommendation for micro level situation	BPH tolerant variety Hasant to be adopted in place of cultivating variety
8.	Constraints identified and feedback for research	The variety assessed is not available in seed chain
9.	Process of farmers participation and their reaction	Training, OFT, Diagonstic visit

Thematic area: Integrated Pest Management

Problem definition: Regular occurrence of BPH/WBPH results in yield loss.

Technology assessed: High yielding rice variety of 145 days duration, tolerant to BPH, yielding 45 to 50q/ha in Kharif season

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.)						
T_1	4	9	6	1.8	43	37.21			36394	1.43
T_2		18	14	2.5	10	40.56			38384	1.47

Results: Increase in yield (%) is 8.25

OFT-6

1.	Title of On farm Trial	Assessment of Integrated Disease Management of wilt in tomato
2.	Problem diagnosed	Low yield of tomato due to fusarium disease complex
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed T_1 - Seed treatment with T. viride @ 5g/kg of seeds T_2 - Seed treatment with T. viride @ 5g/kg of seeds after 10 days of seed treatment with carbendazim with 1.5g/kg of seeds
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIHR, 2017
5.	Production system and thematic area	Vegetable –Vegetable, IDM
6.	Performance of the Technology with performance indicators	Yield(q/ha), B:C Ratio
7.	Final recommendation for micro level situation	Recommended for seed treatment with chemical before 10 days of seed treatment with biopesticide
8.	Constraints identified and feedback for research	Local availability of biopesticide is difficult.
9.	Process of farmers participation and their reaction	Training, OFT, Method demonstration, Diagnostic visit

Thematic area: Integrated Disease Management
Problem definition: Wilting resulting in crop loss.
Technology assessed: T_1 - Seed treatment with T. viride @ 5g/kg of seeds T_2 - Seed treatment with T. viride @ 5g/kg of seeds after 10 days of seed treatment with carbendazim with 1.5g/kg of seeds

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 plants/m^2	No. of fruits per pant	Test wt. (100 grain wt.)						
T_1	13	7	28		12	48.04	36660	64860	28200	2.3
T_2		3	38		5	52.3	49920	81120	31200	2.6

Results: Increase in yield (%) is 8.14
Please provide all the OFTs in same format

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	Rice	IWM	Demonstration of herbicide Londax power @ 10kg granule/ha at 3-7 DAT	2.0	2.0	0	1	6	0	3	0	9	1	10	
2	Mustard	ICM	Demonstration of System of Mustard Intensification	2.0	2.0			4	6			4	6	10	
3.	Bottle gourd	IDM	Seed treatment with Thiofonate Methyl @2g per kg of seeds + foliar application of Chlorothalonil@ 2ml/ltr and Cymoxanil @ 2ml/ltr + Mancozeb @ 2g/liter alternately at 12 days interval	1.6	1.6	0	0	2	0	0	8	2	8	10	
4.	Mushroom	IGA	Demonstration of threshed straw as a substrate for production of paddy straw mushroom	100bed	100 bed	0	0	0	5	0	5	0	10	10	3.
5.	Tomato	Value addition	Demonstration of Tomato powder for increasing the shelf life	50kg	50kg	0	2	0	5	0	3	0	10	10	4.

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					
Rice	Kharif 2019	Rainfed Medium land	Clay loam	246	27.1	137	Fallow	July 2nd week 2018	November 2018	940.3	53
Mustard	Rabi-2019	Irrigated medium land	Clay loam	196	36	147	Rice	Nov 1st week	April 1st week	70.9	6
Bottle gourd	Summer 2018-19	Irrigated Medium Land	sandy loam	275	28	172	Okra	17th February 2019	6th April 2019	70.9	6
Mushroom	Kharif	Backyard	-	-	-	-	Oyster mushroom	July 30th			
Tomato	Rabi	Homestead	-	-	-	-	Backyard vegetablrs	20thnov	2nd week of Dcc		

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

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
Rice	IWM	Demonsration of Londax power (Pretilachlor + Azimsulfuron) in transplanted rice	10	2.0	38.6	34.2	13	37500	65620	28120	1.73	38700	58140	19440	1.5
Mustard	ICM	Demonstration of System of Mustard Intensification	10	2.0	9.6	23.4	143.7	25800	98280	72480	3.8	16000	38640	22640	2.42
Bottlegourd	IDM	Demonstration on management of downey mildew in bottlegourd	10	1.6	90	82	8.8	34,000	65000	31000	2.09	61600	108000	46400	2.32
Mushroom	IGA	Demonstration of threshed straw as a substrate for production of paddy straw mushroom	10	100bed	nil	0.475	100	-	-	-	-	4000	9500	5500	1.37
Tomato	Value addition	Demonstration of Tomato powder for increasing the shelf life	10	50kg	0.10	0.028	-	400	500	100	0.2	650	1800	1150	1.76

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

Pulses

Frontline demonstration on pulse crops

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

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

** BCR= GROSS RETURN/GROSS COST

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
	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
Poultry		Rearing of backyard poultry(Banaraj)	60	900	1050kg	1785	70	875	850	52500	1,89,000	1,36000	2.6				
Total			60	900	1050kg	1785	70	875	850	52500	1,89,000	1,36000	2.6				

* 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	Production of oyster mushroom	60	600	870kg	360kg	85	BE-72.5	BE-30%	19200	25200	6000	0.31	24000	60,900	369000	1.53
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	1. Production of paddy straw mushroom for income generation 2. Production of oyster mushroom for income generation 3. Value addition of Tomato through Tomato powder	100 600 1	0 360kg	47.5kg 870kg	Farm women are doing mushroom cultivation in Kharif & Rabi for Nutritional security and income Tomato powder is the easy and simple method to preserve the large volume of tomato.
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
1	Rice	Londax power in transplanted rice is easy to apply and effectively controls grasses sedges and broad leaved weeds
2	Mustard	System of Mustard Intensification is very farmer friendly and productive, but requires more labour
3	Bottlegourd	management of downey mildew in bottlegourd is effectively controlled with combination of pesticides thofonate methyl + chlorothalonil and cymoxanil with mancozeb
4	Mushroom	threshed straw when used as a substrate for production of paddy straw mushroom it nealyperfoms the same as the bundle paddy straw
5	Tomato	Tomato powder making is a new and easy technology for increasing the shelf life of tomato

Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	26.9.18 29.9.18 26.11.2018, 28.11.2018	4	164	
2.	Farmers Training	26.6.18 29.8.18 12.6.18 18.6.18	4	100	
3.	Media coverage				
4.	Training for extension functionaries	8.6.18 6.10.18	2	40	

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif2018 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	Black gram	BarsatiBiri	5.2	5.4	5.04	8.0	Ujala (OBG-17), Seed rate - 20kg/ha, seed treated with Imidachloprid (Gaucho) @ 2g/kg of seed and then rhizobium inoculation @ 20g/kg of seed, line sowing with seed cum fertilizer drill, application of post emergence herbicide Imazthapyr 10% SL at 10 to 12 DAS, soil test based nutrient application	93	30	7.1	4.2	5.83	5.4	5.04	12

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	Ujala, Seed rate - 20kg/ha, seed treated with Imidachloprid (Gaucho) @ 2g/kg of seed and then rhizobium inoculation @ 20g/kg of seed, line sowing with seed cum fertilizer drill, application of post emergence herbicide Imazthapyr 10% SL at 10 to 12 DAS, soil test based nutrient application	15100	24180	9080	1.6	17500	29000	11500	1.65

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Black gram Ujala	23100 kg	210kg/household	Rs 60/kg	1250 kg	6100 kg	House hold expenses	87

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.	Varietal change Ujala (Blackgram)	Yes	1	50%	No	Yes	NA

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Variety	High yielding,Suitable to the rainfed upland	Average performance	Variety Ujala is highly appreciated for its germination and yield is better than their existing variety
Seed treatment &seed inoculation	Soil borne, seed borne disease controlled	Incidence of Diseases	Disease in Black gram can be minimized by seed treatment.
Sucking pest management	Mosaic disease controlled	Sucking pest infestation is there	Sucking pest damage can be minimized by application of Imidacloprid

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Farmer's promoter meeting for Beneficiary selection, , site selection	08.06.18 KVK Campus	30
2	Village meeting and site selection	14.06.18 Kulta and Ghumuda	80
3	Field preparation and input distribution and conducting training at Ghumura	4.08.18 Kulta and Ghumuda	40 + 40
4	Field preparation and input distribution and conducting training at Kurumkhel	08.08.18, Kurumkhel and Kainsara	50 +30
5	Field Day on Blackgram	08.11.18, Kainsara	50

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


H. Farmers' training photographs

Quality ActionPhotographs 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.)
Blackgram	i) Critical input	2,43,000	174056	68944
	ii) TA/DA/POL etc. for monitoring	9000	7467	1533
	iii) Extension Activities (Field day)	6000	5750	250
	iv)Publication of literature	12000	11557	443
	Total	**270000**	**198830**	**71170**
Greengram	i) Critical input	2,43,000	145678	97322
	ii) TA/DA/POL etc. for monitoring	12000	11242	758
	iii) Extension Activities (Field day)	5000	0	5000
	iv)Publication of literature	10000	10000	0
	Total	**270000**	**166920**	**103080**

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	1	0	2	2	0	1	0	21	1	22	21	4	25
Crop Diversification													
Integrated Farming													
Water management	1	1	11	12	0	0	0	7	6	13	8	17	25
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	2	8	10	18	0	0	0	30	2	32	38	12	50
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													

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
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													

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
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition	1	0	2	2	0	0	0	0	23	23	0	25	25
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													

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
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases	2	14	8	22	10	0	10	10	8	18	34	16	50
Production of bio control agents and bio pesticides	1	0	5	5	0	0	0	18	2	20	18	7	25
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													

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
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	8	23	38	31	10	0	10	86	42	128	119	81	

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													
Integrated farming													
Seed production													
Production of organic inputs	1	2	0	2	0	0	0	11	2	13	11	4	15
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition	1	0	5	5	0	0	0	0	10	10	0	15	15
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development													

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
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	2	2	5	7	0	0	0	11	12	23	11	19	

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	1	14	15	0	0	0	0	0	0	1	14	15
Value addition													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application	2	2	28	30	0	0	0	0	0	0	2	28	30
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													
TOTAL	3	3	42	45	0	0	0	0	0	0	3	42	45

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	3	12	0	12	4	2	6	27	30	57	43	32	75
Resource Conservation Technologies													
Cropping Systems	1	0	0	0	0	0	0	18	7	25	18	7	25
Crop Diversification													
Integrated Farming													
Water management	1	15	0	15	0	0	0	10	0	10	25	0	25
Seed production													
Nursery management													
Integrated Crop Management	3	6	0	6	2	4	6	31	32	63	39	36	79
Fodder production													
Production of organic inputs	2	0	0	0	0	0	0	38	12	50	38	12	50
Others, (cultivation of crops)	2	31	0	31	5	0	5	14	0	14	50	0	50
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													

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
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													

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
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	3	0	9	9	0	21	21	0	45	45	0	75	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	7	0	44	44	0	26	26	0	105	105	0	175	175
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													

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
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	5	10	15	25	30	2	32	30	40	70	70	55	125
Integrated Disease Management	2	3	9	12	2	2	4	30	4	34	35	15	50
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													

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
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	29	77	77	154	43	57	102	188	245	473	229	496	725

E)RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													

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
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	1	8	5	13	0	0	0	0	2	2	8	7	15
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL	1	8	5	13	0	0	0	0	2	2	8	7	15

G). Consolidated table (ON and OFF Campus)

i. Farmers& Farm Women

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
I. Crop Production													
Weed Management	3	12	0	12	4	2	6	27	30	57	43	32	75
Resource Conservation Technologies													
Cropping Systems	5	9	23	32	0	1	1	76	16	92	85	40	125
Crop Diversification													
Integrated Farming													
Water management	1	15	0	15	0	0	0	10	0	10	25	0	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Seed production													
Nursery management													
Integrated Crop Management	3	6	0	6	2	4	6	31	32	63	39	36	79
Fodder production													
Production of organic inputs	2	0	0	0	0	0	0	38	12	50	38	12	50
Others, (cultivation of crops)	2	31	0	31	5	0	5	14	0	14	50	0	50
TOTAL	**16**	**52**	**31**	**83**	**50**	**1**	**50**	**245**	**21**	**266**	**347**	**53**	**400**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
TOTAL													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													

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
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													

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
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	3	0	9	9	0	21	21	0	45	45	0	75	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	1	0	2	2	0	0	0	0	0	23	0	25	25
Income generation activities for empowerment of rural Women	7	0	44	44	0	26	26	0	105	105	0	175	175
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													

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													
Others, if any													
TOTAL	**11**	**0**	**55**	**55**	**0**	**47**	**47**	**0**	**150**	**173**	**0**	**275**	**275**
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	5	10	15	25	30	2	32	30	40	70	70	55	125
Integrated Disease Management	2	3	9	12	2	2	4	30	4	34	35	15	50
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides	3	14	13	27	10	0	10	28	10	38	52	23	75
Others, if any													
TOTAL	**10**	**27**	**37**	**64**	**42**	**4**	**46**	**88**	**54**	**142**	**157**	**93**	**250**
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													

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
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													

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
TOTAL													
XII. Others (Pl. specify)													
TOTAL	37	79	123	202	92	52	143	333	225	581	504	421	925

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													
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	1	0	3	3	0	4	4	0	8	8	0	15	15
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Others if any (ICT application in agriculture)													
TOTAL	**2**	**2**	**5**	**7**	**0**	**0**	**0**	**11**	**12**	**23**	**11**	**19**	**30**

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	8	5	13	0	0	0	0	2	2	8	7	15
Integrated Pest Management	1	3	0	3	3	0	3	9	0	9	15	0	15
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	2	4	26	30							4	26	30
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	**4**	**15**	**29**	**46**	**3**	**0**	**3**	**9**	**0**	**9**	**27**	**33**	**60**

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

Discipline	Client ele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Agronomy	F/FW	Crop & water mgt,	1	On	8	1	9	9	7	16
Agronomy		Enhancing the prodn of field crops using different inputs	1	On	20	2	22	3	0	3
Agronomy	F/FW	IWM in Kharif blackgram	1	Off	10	0	10	15	0	15
Agronomy	F/FW	Enhancing yield of DSR by herbicide use	1	Off	19	6	25	0	0	0
Agronomy	F/FW	performance and method of herbicide appln in rice	1	Off	1	1	2	15	8	23
Agronomy	F/FW	soil test based nutrient appln in cereals & pulses	1	off	2	0	2	23	0	23
Agronomy	F/FW	scientific method of Blackgram cultivation	2	off	13	1	14	27	9	36
Agronomy	F/FW	Preparation of different types of organic inputs	1	off	0	0	0	9	16	25
Agronomy	F/FW	Use of polythene mulch for prodn enhancement of groundnut	1	Off	12	0	12	12	1	13
Agronomy	F/FW	Improved package of practice for greengram	1	Off	1	0	1	13	11	24
Agronomy	R/Y	mgt of nutritional garden for marginal farmer	1	On	8	3	11	4	0	4
Agronomy	I/S	Consraints&Oppurtunities is O/P in Sng	1	On	15	0	15	0	0	0
Agronomy	IS	enhancing the production by new	1	On	7	8	15	0	0	0

		generation agricultural inputs								
Plant Protection	F/FW	IPDM in rice	1	OFC	22	0	22	3	0	.3
Plant Protection		IPDM in rice	1	OFC	4	0	4	21	0	21
Plant Protection		BPH Mgt in rice	1	OFC	22	0	22	3	0	3
Plant Protection		Stem borer mgt in rice	1	OFC	4	0	4	21	0	21
Plant Protection		IPM in pulses	1	OFC	1	0	1	24	0	24
Plant Protection		IPDM in groundnut	1	OFC	14	0	14	11	0	11
Plant Protection		Biopesticide and ecofriendly mgt in sesamum	1	OFC	19	0	19	6	0	6
Plant Protection		Pest & Disease mgt in fruits	1	ONC	0	0	0	23	2	25
Plant Protection		Mgt of mites & nematodes in field crops	1	ONC	0	0	0	21	4	25
Plant Protection		Wilt mgt in solanaceous crops	1	ONC	21	0	21	4	0	4
Plant Protection	RY	Use of biopesticides – Ecofriendly pest mgt in vegetable crop	3	ONC	8	0	8	3	4	7
Plant Protection	IS	Resurgence of pesticide	1	OFC	11	0	11	0	4	4
Home Science	F/FW	Nutritional garden for nutritional security of farm families	4	OFC	0	100	100	0	75	75
Home Science	F/FW	Production of paddy straw mushroom	2	OFC	0	50	50	0	35	35

Home Science	F/FW	Cultivation of Oyster Mushroom	3	OFC	0	75	75	0	60	60
Home Science	R/Y	Preservation and value addition of underutilized fruits	1	ONC	0	15	15	0	9	9
Ag. Extension	IS	Recent advances in ICT in agriculture	1	On	1	14	15	0	0	0
Ag. Extension	IS	Techniques for conducting impact Assessment	1	On	1	14	15	0	0	0

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Honeybee	Skill development	Honey bee rearing	5	15	0	15	Honey bee box	-	-	

*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	cultivation of Oyster mushroom	IGA	November 2018	2	PF	3	0	0	8	4	0	18	4	0	26	30	CTMRT, O.U.A.T, BBSR

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	9	241	326	567	52	11	4	15	252	330	582
KisanMela	1	309	68	377	41	14	21	35	323	89	412
KisanGhosthi	5	98	73	171	65	6	11	17	104	84	188
Exhibition	4	39000	20000	59000	60	108	317	425	39108	20317	59425
Film Show	28	574	245	819	80	21	32	53	595	277	872
Method Demonstrations	6	71	54	125	45	12	16	28	83	70	153
Farmers Seminar	2	45	23	68	30	7	9	16	52	32	84
Workshop	2	119	42	161	50	6	12	18	125	54	179
Group meetings	16	216	165	381		19	24	43	235	189	424
Lectures delivered as resource persons	18	108	77	185	60	9	14	23	117	91	208
Advisory Services	26	146	218	364	70	14	29	43	160	247	407
Scientific visit to farmers field	121	1784	477	2261	70	48	62	110	1832	539	2371
Farmers visit to KVK	212	314	46	360	50	25	36	61	339	82	421
Diagnostic visits	28	176	56	232	40	31	74	105	207	130	337
Exposure visits	4	10	0	10	80	0	0	0	10	0	10
Ex-trainees Sammelan	2	34	16	50	80	1	3	4	35	19	54
Soil health Camp	0	0	0	0	0	0	0	0	0	0	0
Animal Health Camp	3	48	12	60	0	3	0	3	51	12	63
Agri mobile clinic	3	218	46	264	80	8	14	22	226	60	286

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Soil test campaigns	6	116	25	141	90	6	9	15	122	34	156
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	2	0	50	50	80	1	3	4	1	53	54
MahilaMandals Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
Celebration of important days (specify)	13	347	262	609	80	21	18	39	368	280	648
Sankalp Se Siddhi	0	0	0	0	0	0	0	0	0	0	0
Swatchta Hi Sewa	14	24	48	72	60	8	9	17	32	57	89
MahilaKisan Divas	1	0	25	25	90	1	9	10	1	34	35
Any Other (Specify)				0				0	0	0	
Total	526	43998	22354	66352	52.04	380	726	1106	44378	23080	67458

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	12
Radio talks	3
TV talks	1
Popular articles	1
Extension Literature	4
Other, if any	60

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
Paddy	Pratikshya	26.5		5	42	53	100
Grand Total		26.5		5	42	53	100

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	Sweta	7000	3500	30	25	45	100
Cabbage	PI	7000	3500	35	18	27	70
Tomato	Utkal Kumari	10000	5000	22	42	30	94
Brinjal	VNR-228, Bluestar	12000	6000	25	41	34	100
Chilli	Local	15000	7500	32	42	48	122
Onion	Nasik Red, Agri found Red	10000	5000	35	18	27	70
Others (Red Cabbage)	Scarlet	2000	1000	22	42	30	94
Brocollie	Sishir	2000	2000	25	41	34	100
Chinese Cabbage	Jaya	2000	2000	35	18	27	70
Papaya	Diana	400	8000	22	42	30	94
Others (Drumstick)	PKM1	1500	15000	25	41	34	100
Total		60500	58500	308	370	366	1014

Production of Bio-Products

Name of product	Quantity/Kg	Value (Rs.)	No. of Farmers benefitted			
			SC	ST	Other	Total
Bio-fertilizers	500	2500				
Others, please specify.						
Total	500	2500				

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	ST	Other	Total
Poultry							
Broilers							
Layers	Banraja, Kaveri, Whiteleghorn	500 400 nos distributed to 80 landless farmer	25000	0	67	13	80
Duals (broiler and layer)	Rainbow Rooster	200 (100 nosdistributed to 20 landless farmer)	6100	5	13	2	20
Others (Pl. specify)	Kadaknath	480 (100 nos distributed to 40 landless farmer)	14100	0	32	8	40
Grand Total			45200	5	112	23	140

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 :	K.V.K, Deogarh
Address :	Dist- Deogarh
e-mail :	kvkdeogarh.ouat@gmail.com
Phone No. : Mobile :	9437360866

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 (37,40,615)	4,90,000	1,55,863		
2017-18 (34,08,250)	5,00,000	60,202		
2018-19 (16,62,000)	4,19,000	1,13,304	-	

iv) Infrastructure Development

Item	Progress
Seed processing unit	***Not available***
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper	Extent of dependency of mushroom grower on Multi-Agencies efforts for Enterprise Promoter	Dr. L P Pradhan		

	Biocontrol efficacy of VAM(*Glomus fesciculatum)* against reniform nematode on rice bean	Mrs. S Sahu		
Seminar/conference/ symposia papers	Nutritional garden for nutritional security of farm families of Sundargarh district"- January 2019	Dr. L P Pradhan		
Symposia Papers	Effect of intercropping and fertility level on pigeonpea based intercropping system in rainfed upland of North Western Plateu zone of Odisha, December 15-17th 2018	Dr. S Satapathy		
News letter	Chasbas	SS& Head, KVK, Sng	1000	500
Popular Articles		L P Pradhan		
Book Chapter				
Extension Pamphlets/ literature	Paddy straw mushroom and Oyster Mushroom	L.Pradhan & Co		
Technical reports				
Electronic Publication (CD/DVD etc)				
Manual	Mushroom Production	L.Pradhan, J, Udgata & S. Acharya	1000	
TOTAL				

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

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

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Specialized Trg	Specialized mgt. development prog. for senior functionaries of Trg. Institutes	Dr. L.P. Pradhan	27-30th Aug 2018	MANAGE, Hyderabad
2.	Workshop	Workshop for Plant Protection Scientists	Mrs. SanghamitraSahu	13-15th Dec 2018	ICAR-A.T.A.R.I, KOLKATA

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

Name of farmer	Bhaktabandhu Naik
Address	At Village – Amasranga, GP – Majhapara, Sundargarh
Contact details (Phone, mobile, email Id)	7381327888
Landholding (in ha.)	2.2
Name and description of the farm/ enterprise	Banana cultivation under shadenet
Economic impact	he has earned a gross income of Rs. 4.2 lakhs from his 0.8 ha of banana cultivation under protected cultivation with a expenditure of 1.4 lakhs
Social impact	he is now regarded as an expert trainer in the district on banana cultivation and his status in his own tribal society has increased
Environmental impact	with his adoption of micro-irrigation/ drip systems he has turned his water stress area into a profitable business there by using water.
Horizontal/ Vertical spread	12 farmers inspired by him have started their own banana cultivation last year itself, the technology/ methods used by him have also caught the attention of dist. Administration and have asked the Watersheds department ot replicate this type of enterprises in tribal areas in small scale and providing forward linkage through a FPO.

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
1	Popularisation of rearing and brooding of chicks	Mrs. Mithila Munda, Village- Birjaberna	Popularisation of vanraja and Rainbow Rooster breed of coloured poultry for backyard rearing for income generation. Body growth upto 3.5 kg within 4 months.
2	Taking vremi and vermicompost production as enterprise commercially	Laxmi NayaranJaipuria, Village-Jarangloi	Popularisation of small vermicomposting units 3X3 m units for Tribal farmers to support their backyard nutritional garden and recycling of household waste.

3	Mushroom production as enterprise on commercial basis	MrsMandakini Sa	Popularisation of paddy straw and oyster mushroom among tribal farmers from threshed straw for additional support and increased nutrition, about 800 – 1200 gms of mushroom is obtained from one unit

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
	Multicropweeder	single wheel hoe weeder	Weeding can be done in between line sown/transplanted crops preferably vegetables
	Indigenous rice disease mgt	Application of neem cake as basal manure helps to protect rice crop from brown plant hopper at the latter stage as reported by the farmers	Organic neem based cake is used to control Disease mgt in rice
	Indigenous rice disease mgt	The tribal rice farmers use the smoke of mahua (Madhucaindica) oil cake to control 'paddy blight	Mahua fruit being used as a control measure for disease mgt in paddy

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.	Mustard	2.8	50q	27	Y
2.	Ragi	24	176	91	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
	• Farmer- Need assessment through focus group discussion and interview schedule. • Rural Youth-Need assessment through market led demand study. •In-service personnel- Interview schedule	Action plan preparation

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

Sl. No	Name of the Equipment	Qty.
1.	Mridaparikshak	2
2.	Smart Soil Moisture Sensors	1
3.	Automatic Nitrogen Analyser	1
4.	Electronic Precision Balance	1
5.	Double beam UV -VIS digital Spectrophotometer	1
6.	Refrigerated Centrifuge	1
7.	Physical Balance	1
8.	Distilled Water Unit	1
9.	Flame Photometer	1
10.	pH Meter - Micro Controller based	1
11.	Conductivity Meter	1
12.	Rotary Shaker	1
13.	(Platform Type)	1
14.	Mechanical Stirrer	1
15.	Bouyoucus Hydrometer	1
16.	Hot Air Oven	1
17.	top pan Balance	3
18.	Thermometer	1
19.	Water Quality analyser	1
20.	Vortex	1
21.	Magnetic Stirrer	1

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			
263	475	738	1782	215	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	Awareness and Distribution of soil health card	200	6	Ms. Emma Eka, President ZillaPairhsad,Sundargarh DDA, DFO, DDM, NABARD, DDH, DistFishery Officer, and other Officials of Agriculture and allied departments	30	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
2	2	-	212	36

3.13. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Awareness on soil test campaign	1	40	Soil
Awareness on swachhata hi seva	1	40	Swochhata
Awareness on waste management	1	30	Recycling of waste material
Training on IGA	1	25	Nutritional security (Nutritional garden)
Training on crop protection measures	1	25	Use of organic trap in veg. instead of chemicals

3.14. RAWE/ FETprogramme - is KVK involved? (Y/N) : Yes

No of student trained	No of days stayed
15	0

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit
3/5/18	Dr. S K Ambast, Director ICAR-IIWM	K.V.K Monitoring
7/7/18	JualOram, Hon'ble Union Misiter for Tribal Affairs	Review of K.V.K and Interaction with tribal farmers of K.V.K.
2/8/2018	Dr. Jacob Nelithanam, Environmentalist and Farmer rights campaigner	To promote organic farming
2/09/2018	Dr. M P Nayak, JDE(Information)	Monitor CFLD & Review
13/10/2018	Prof. S N Pasupalak, VC, OUAT	Review of KVK
18/10/2018	Dr. M R Mohapatra, JDE	SAC Meeting
29/12/2018	Prof P K Roul, DEE, OUAT	Inauguration of Krishi Odisha & K.V.K monitoring
29/12/2018	Dr. S N Mishra, Director, IMAGE	Inauguration of Krishi Odisha
29/12/2018	Dr. M K Pani, Addl. Secy, Agril. Dept	Inauguration of Krishi Odisha

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)**
Popularization of short duration NRRI developed rice variety Sahbhagidhan, duration 110days yield potential 35q/ha	350	95	2600`	4100
Popularisation of brown manuring in rice increases yield by 12%	112	72	2800	3600
Popularisation of herbicide Bispyribac sodium increases yield by 14%	68	85	3500	5600
Popularisation of herbicide oxyflurofen in groundnut increases the yield by 20%	120	95	8000	12000
Popularisation of Ragi variety Bhairavi among tribal farmers of the district having a potential yield of 25q and 110days duration.	450	65	1500	3200
Popularisation of herbicide Imazethapyr (10%SL) in pulses (Blackgram, greengram, Arhar) increased yield upto 20%.	120	95	8000	12000
Popularisation of herbicide LONDAX power in upland paddy increases yield upto 16%	120	95	8000	12000
Popularisation of Vanraja and Rainbow Rooster breed of coloured poultry for backyard rearing for income generation. Body growth upto 3.5 kg within 4 months.	180	28	2600	3800
Popularisation of small vermicomposting units 3X3 m units for Tribal farmers to support their backyard nutritional garden and recycling of household waste.	68	71	1800	2500
Popularisation of paddy straw and oyster mushroom among tribal farmers from threshed straw for additional support and increased nutrition, about 800 – 1200 gms of mushroom is obtained from one unit	208	40	300	2000

Popularisation of wheat bran as a substitute for paddy straw mushroom cultivation				
Popularisation of off season cauliflower cultivation for higher profit upto 20%	52	90	18000	32000
Popularisation of Kharif onion variety Bhima super potential yield 300 q/ha increases profit upto 15%	120	90	28000	50000
Popularisation of Use of fruit fly trap + spraying of Deltamethrin @ 2ml/lt before ripening of mango for fruit fly management in mango	48	80	15000	22000
Popularisation of Spraying of Spiromesifen @ 2ml/lt during attack of sucking pest for leaf curl virus management in Chilli	24	80	5000	9000

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
OUAT developed medium long rice variety Pratikshaya,	>70,000ha, 487 villages
short duration NRRI developed rice variety Sahbhagidhan,	>30,000ha, 317 villages
short duration upland paddy variety *Khandagiri*	> 60,000, 542 villages
Brown manuring in rice	>15,000 ha, 125 villages
Application of herbicide Bispyribac sodium increases yield by 14%	>4,500 ha , 130 villages
Application of herbicide oxyfluofen in groundnut.	>1,500 ha, 200 villages
Ragi variety Bhairavi	>1200 ha, 80 villages
Line sowing in maize cultivation	>200 ha, 56 villages
Application of herbicide Imazethapyr (10%SL) in pulses (Blackgram, greengram, Arhar)	>4000ha, 500 villages
Application of herbicide LONDAX power in upland paddy	>100, 12 villages
Vanraja and Rainbow Rooster breed of coloured poultry for backyard rearing f	>120 villages
Backyard smallvermicomposting units 3X3 m units for Tribal farmers to support their backyard nutritional garden and recycling of household waste.	>120 units, 51 villages
Paddy straw and oyster mushroom	>100 units, 250 villages
IPM -02-03 variety of Moong	>80ha, 10 villages
Blackgram variety PU-31	> 950ha, 500 villages
Use of wheat bran as a substitute for paddy straw mushroom cultivation	>100 units, 400 villages

Popularisation of off season cauliflower cultivation for higher profit upto 20%	>110ha, 200 villages
Popularisation of Kharif onion variety Bhima super potential yield 300 q/ha increases profit upto 15%	>35ha, 10 villages
Popularisation of Use of fruit fly trap + spraying of Deltamethrin @ 2ml/lt before ripening of mango for fruit fly management in mango	>75ha, 15 villages

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	Small implements
Name of the Innovation	Cycle wheel hoe weeder
Details of Innovator	Single wheel hoe weeder made from front cycle wheel alongwith the handle increases the weeding efficiency by 2 hours in one ha. Area
Back ground of innovation	with heavy migration of farm families and members from the tribal villages to work in industries inside the district and to other parts of the country, there is acute shortage of manpower during the critical stages of vegetable cultivation for the intercultural operations. Weeding operations contribute about 40% of the total cost of production
Technology details	Wheel hoe weeder was modified from used bicycle, handle and front wheel along with the fork, a new hoe was welded to the base of the pedal
Practical utility of innovation	the wheel hoe weeder increased the efficiency by 40 % in intercultural operations especially in vegetables and other line sown crops. One person can now cover 0.2 ha in one hour

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Mushroom and spawn production unit
Name & complete address of the entrepreneur	Sushanta Kumar Naik, At- Bandubahal, Sundargarh block,
Role of KVK with quantitative data support:	Facilitator and hand holding support from - training the youth in mushroom and spawn - Facilitating approval of project under NHB, - Facilitating Irrigation pump under PMKSY - Facilitating project preparation for solar irrigation from the Urja scheme, - Handholding in market linkage for sale of produce in nearby cities. - etc
Timeline of the entrepreneurship development	2012-started the mushroom enterprise taking training from KVK and CTMRT 2014- Started mushroom enterprise under protective structure 2018-Started the spawn production unit
Technical Components of the Enterprise	Training from KVK, Sundargarh and CTMRT, BBSR
Status of entrepreneur before and after the enterprise	Before enterprise income was Rs 50,000/- After enterprise income is Rs 6 lakh per annum
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Mushroom production unit with protected structure Mushroom spwan production unit Manual cutter for straw cutting Mechanical cutter for easy straw cutting He is an innovative mushroom grower and quality spawn producer. He is also diversified into other enterprises like vermicomposting, Rearing of desi poultry and earning more than 6lakhs per annum
Horizontal spread of enterprise	More than 150 nos of farmers in 10 villages

4.6. Any other initiative taken by the KVK : 1. Promotion of tissue culture Banana under protected structure covering 5 farmers in 5 villages.

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
ATMA	Functional, **SREP preparation ,BAP , OFT , Monitoring & Evaluation. Samacharpatra publication, Farmer – Scientist Interaction, Kisan mela, Exhibition and Farmer fair, Training to FW and IS**
Agriculture Department	Functional Linkage, member in many agriculture committee of the district, Training, Collection of data, Farmer fair and Exhibition,
Horticulture Department	Functional linkage, member in committee of the district, Training, Collection of data, Farmer fair and Exhibition,
Fishery Department	Functional linkage, member in committee of the district, Training, Collection of data,
Veterinary Department	Functional linkage, member in committee of the district, Training, Collection of data,
NABARD	Functional linkage, expert review, formation of FPOs, Farmers clubs,
Watershed/Soil Conservation	Functional linkage, member in committee, livelihood support programmes under watersheds, data collection,training
NGOs	Functional linkage, Training to farmers/ Farm women, data collection, livelihood programmes, capacity building

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.)
Repair and renovation	Repair and renovation of Office, Demo units and staff quarters	October 2018	ICAR	4,19,000

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.)
On campus training with exposure visit	Provide training to farmers and farmwomen on skill development	December, 2018	ATMA	4,12,000

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.	Poly house	2010-11	35	Local, /Hybrid)	Seedlings	1,00,000	30,000	50,000	worth Rs 43,000 stock in hand
2.	Mushroom Spawn Unit	2010-11	25	Paddy straw and Oyster mushroom	Spawn	2800	15340	16300	worth Rs 37,900 stock in hand
3.	Mushroom Production Unit	2008-09	200	Paddy straw and Oyster mushroom	Mushroom	90kg			
4.	Vermi Compost Unit	2010 -11	12	Eisenia foetida	Compost	500kg	3682	25000	worth Rs 25,000 stock in hand
	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	
Ginger	26/05/18	22/01/19	0.015	Suprava	TL		1600		
Turmeric	28/05/18	25/01/19	0.015	Roma, Surama	TL		1600		
Tomato	22/07/18	12/12/18	0.02	BT-10, Utkalkumari,SwarnaSampad	TL	.44	400	440	
Cauliflower	12/10/18	22/12/18	0.02		TL	1.2	300		
Onion	10/07/18	15/03/19	0.015	Bheema super, Bheema sweta	TL	1.2	400	1800	
Broccoli	22/11/18	15/01/19	0.02		TL	0.75			
Cabbage	22/11/18	23/01/19	0.02		TL	1.2	300		
Brinjal	12/07/18	08/12/18	0.02	Blue Star	TL	1.2	700	1670	
Chilli	15/07/18	10/12/18	0.015	Siam Hot	TL		220		

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.	Poultry Unit	Vanraj, White leg horn, Rainbow rooster	Chicks/Bird	950	43800	72886	

6.5. Utilization of hostel facilities

Accommodation available (No. of beds) - 25

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
August 2018	25	3	
Total :			

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed:
No. of staffquarters: 9
Date of completion: 1992
Occupancy details: All occupied

Months	Q I	QII	Q III	QIV	Q V	QVI	QVII	QVIII	QIX
February	2014								
September		2014							
August			2018						
July				2016	2016	2016	2016		
April								2019	2019

7.

FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Current A/C	State Bank of India	Sundargarh	10969167181
Savings A/C	State Bank of India	Sundargarh	30773698636

7.2. Utilization of funds under CFLD on Oilseed *(Rs. In Lakhs)* ***Not alloted***

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	

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	
Blackgram	268800		187630		81170
Greengram(Summer)		330000		183066	146994

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	66,00,000	39,00,000	39,00,000
2	Traveling allowances	1,00,000	70,000	70,000
3	Contingencies			
A	KVK			
B		1,00,000	1,00,000	1,00,000
C	TSP			
D		10,73,000	10,73,000	10,73,000
E				
F				
G				
H				
I				
J	Swachhta Expenditure			
TOTAL (A)		78,73,000	50,73,000	50,73,000
B. Non-Recurring Contingencies				
1	Repair and Renovation work	7,55,000	4,19,000	4,19,000
2				
3				
4				
TOTAL (B)		7,55,000	4,19,000	4,19,000
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		86,28,000	54,92,000	54,92,000

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	2.28.313	2.97.927	1.33.879	3,92,361
2016-17	3,92,361	2,18,068	1,55,863	4,54,536(Deposited 4,52,536 with DEE, O.U.A.T as sale proceed)
2017-18	2000	53,221	60,202	2,67,221(Deposited 2,65,000 with DEE, O.U.A.T as sale proceed)
2018-19	2221	1,99,599	1,13,304	(Closing Balance 2,51,381) 2,07,844(Rs worth in hand)

7.6. (i) Number of SHGs formed by KVKs- 3 (1.4.18 – 31.3.19)
(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities – 27
The 27 SHGs KVK is associated with are manly engaged in marketing of NTFP, Agril. Produces like Dal(Biri, Mung, Arhar, Khesari) Badi making, Mahua Collection and marketing.
(iii) Details of marketing channels created for the SHGs- 2 FPO has been created in association with NABARD which are engaged in vegetable marketing and processed dal products.

7.7. Joint activity carried out with line departments and ATMA

Nameof activity	Number of activity	Season	With line department	With ATMA	With both
Farmer-Scientist Interaction	2	Pre-Khairf			√
Capacity Bldg Training	3	Kharif			√
Joint Nursery verification	3	Rabi	√		
Pest survellience	12	Kharif			√
Radio Talk	2	Kharif-1 Rabi -1	√		

8. Other information

8.1. Prevalent diseases in Crops :**NONE**

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

8.2. Prevalent diseases in Livestock/Fishery

Name of the disease	Species affected	Date of outbreak	Number of death/ Morbidity rate (%)	Number of animals vaccinated	Preventive measures taken in pond (in ha)
Foot and mouth disease of livestock	Improved and Jersey trait	18.07.2018	10	All improved breeds of animals of the	

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 :**NONE**

Date of organizing the programme	Resource Person	No. of participants	Registration (crop wise)	
			Name of crop	No. of registration
			Rice	1

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

Type of message	No. of messages	No. of farmers covered
Crop	24	1,08,716
Livestock	4	1,08,716
Fishery	2	1,08,716
Weather	104	1,08,716
Marketing	2	1,08,716
Awareness	8	1,08,716
Training information	5	1,08,716
Other	10	1,08,716
Total	161	1,08,716 (As enrolled in district database)

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	*0*
2.	No. of farmers registered in the portal	
3.	Mobile Apps developed by KVK	*0*
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
15th Sept -2nd Oct	Use of vermicompost, Use of farm yard manure Use of bio-degradable and no bio-degradable dustbins Cleaning of office campus Cleaning of office demo units Cleaning of school area Cleaning of panchayat office premices Use of wet and dry dustbins at village level Awarenesws of hand sanitation and hostel campusin school Making of cowdung pit for composting

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office		
2. Basic maintenance		
3. Sanitation and SBM	1	500/-
4. Cleaning and beautification of surrounding areas	16	9816/-
5. Vermicomposting/Composting of biodegradable waste management & other activities on generate of wealth for waste	2	3750/-
6. Used water for agriculture/ horticulture application		
7. Swachhta Awareness at local level	4	2000/-
8. Swachhta Workshops		
9. Swachhta Pledge		
10. Display and Banner	3	900/-
11. Foster healthy competition		
12. Involvement of print and electronic media		
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	2	200/-
14.No of Staff members involved in the activities	5	1000/-
15. No of VIP/VVIPs involved in the activities		
16. Any other specific activity (in details)	1	40
Total	**34**	**18040**

9.6. Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with SeemaSurakshaBal/ BSF

Title of Programme	Date	No. of participants

9.8.Agriculture Knowledge in rural school

Name and address of school	Date of visit to school	Areas covered	Teaching aids used
BhabanipurEkalavya Residential School	3.12.18	Awareness on agriculture among school students	Live competition like essay writing, debate etc
Tribal Residential Scool	02.10.18	Awareness on agriculture among school students	Live competition like essay writing, debate etc

Give good quality 1-2 photograph(s)

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

Date ofprogramme	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		

9.10.Details of Swachhta Hi Sewaprogramme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	8	200	1	DAO, Sundargarh
2	Swachhta Awareness at local level	2	300		
3	Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	3	75		

9.11. Details of MahilaKisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Celebration of MahilaKishanDiwas	4	40	1	DAO, Sundargarh

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	Aditya Patel	Lefripada	Integrated fish farming system
2	Prahallad Naik	At: BhagapalliPO/ Dist: Sundargarh - 770002	Vegetable
3	Narayan Thamria	At/PO: Jarangloi, Dist: Sundargarh	Poultry &goatery

4	Arun Naik	At: Tasladihi PO: Lefripara, Dist: Sundargarh	Field crops
5	Triloknath Singh	At/PO: Lathikata Dist: Sundargarh	Integrated farming

9.13. Revenue generation

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

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
June 2009	IMD	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
Odisha	Sundargarh				

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 2018-19

Programmes	**Physical achievements**
Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	86
On-farm trials (Number)	8
Frontline demonstrations (Number)	12
Farmers training (in lakh)	0.00875
Extension personnel training (in lakh)	0.00075
Participants in extension activities (in lakh)	0.0925
Seed production (in tonnes)	3.5
Planting material production (in lakh)	0.54370
Livestock strains and fingerlings production (in lakh)	0
Soil, water, plant, manures samples testing (in lakh)	0.00209
Provision of mobile agro – advisory to farmers (in lakh)	8.45620
Others (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	11

b. Fund received under TSP in 2017-18 (Rs. In lakh): 22,87,815=00

c. Achievements of physical outcomeunder TSP during 2018-19

Sl. No.	Description	Unit	Achievements
1	Change in family income	%	22
2	Change in family consumption level	%	41

3	Change in availability of agricultural implements/ tools etc.	No. per household	12

d. Location and Beneficiary Details during 2018-19

District	***Sub-district***	***No. of Village covered***	***Name of village(s) covered***	***ST population benefitted (No.)***		
				M	F	T
Sundargarh	Sadar	1	Birjaberna	42	51	93
	Sadar	1	Lahandabud	74	82	156
	Bargaon	2	Barangakachhar, Talimunda	146	179	325
	Rajgangpur	2	Ranibandh, Jhagarpur	162	124	286
	Tangarpali	1	Khamarbahal	49	58	107

12.Progress report of NICRA KVK (Technology Demonstration component) during the period :**NOT APPLICABLE**
(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 :**NONE**

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 Award	Kamal Sagar Kullu	2018	OUAT	Certificate	Best farmer

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
1	Agri-forestry Module	0.3 ha	Turmeric	2500	3000	5	20
			Ginger	2000	3000	5	20
			Teak	2000	in 10th year	25	0
2.	Horti-agri unit	2.0	Mango	21,000	1st year of planting	-	-
			Guava	18,000	- do -	-	-

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	Promotion of improved rice cultivation in Medium upland Paddy	• Early transplanting with STBF var Pratikshay, (July 3rd wek) • Chemical weed management(Londax power) followed by one hand weeding at 21DAT • Greengram	28600 22600	more than 35000	
2	Improved Ragi cultivation in rainfed upland-	• -Line transplanting with Ragi var. Bhairavi • STB fertiliser management practices	10600	more than 5000	
3	Varietal replacement	• Varietal Replacement *Var* Sahabhagidhan • Line Transplanting IPM for Stem borer	23600	more than 30000	
4	Improved scientific method of Rice-Greengram cropping system	• Soil test based Nutrient application of var. TARM-1 • Bio fertilizer inoculation *(NPK consortia & PSB)* • *Application of Post emergence herbicide Imazethapyr10% SL @ 250 ml per acre at 4 leave stage (10-12 DAS*	29650	more than 500	
5	off season vegetable cultivation	• Disease resistant/ tolerant var. • Brinjal -Swarna Shyamali	30000	more than 10000	

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

	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
Phase	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I (up-to 15.03.2018)	11	40			
II (up-to 24.04.218)	128	397			
Total	139	437			

18. 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)
7/7/2018	SjJualOram	Tribal Affairs	• KVK Is doing good work at village level for upliftment of tribal farmers with very appropriate technologies in reducing the gap from the mainstream farming. • KVK requires a full fledged administrative building. • KVK should have more model demonstration units for showcasing technologies for the tribal poor. • KVK should start their programme from the poorest.

19. 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							

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	

20. Information on NARI Project(if applicable) NA

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**

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

Krishi Kalyan Abhiyan- I and II - NA

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											
KKA-II											

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

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															
KKA-II															

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															
KKA-II															

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										
	NADEP Pit established										
	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	

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

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

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

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