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

1. GENERAL INFORMATION ABOUT THE KVK, BOUDH (ODISHA)

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

Address	Telephone		E mail
	Office	FAX	
At-Paljhar, P.O.-Salunki, Dist-Boudh, Pin-762026	-	-	kvkboudh.ouat@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Orissa University of Agriculture & Technology, Bhubaneswar-751003	0674-2397970	0674-2397780	http://ouat.nic.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr.Sutanu Kumar Satapathy	At-KVK Campus, Paljhar, Boudh-762026	9437619310	satapathysutanu@gmail.com

1.4. Year of sanction of KVK: Krishi Vigyan Kendra, Boudh was established by ICAR in 01.07.2005 under the control of Orissa University of Agriculture and Technology at Paljhar farm. Boudh district is bounded by River Mahanadi & Angul District to the north, Kandhamal District to the south, Nayagarh District to the east and River Tel & Subarnapur District to the west, covering a geographical area of 3098 sq km, the district lies between 20^0 22' N to 20^0 50' North Latitude and 83^0 34'E to $84^0$49' East Longitude.

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	S. Satapathy	Sr. Scientist & Head	Horticulture	15600-39100 AGP -6000	01/07/16	Temporary	Others
2	Subject Matter Specialist	Jyoti Rekha Mallick	Scientist (PP)	Entomology	15600-39100 AGP -6000	05/01/16	Temporary	ST
3	Subject Matter Specialist	Sasmita Priyadarshini	Scientist (Agronomy)	Agronomy	15600-39100 AGP -6000	12/06/18	Temporary	SC
4	Subject Matter Specialist	Mayuri Sing Sardar	Scientist (Agril.Extn.)	Agril. Extn	15600-39100 AGP -6000	31/07/18	Temporary	ST
5	Subject Matter Specialist	Vacant	-	-	-	-	-	-
6	Subject Matter Specialist	Vacant	-	-	-	-	-	-
7	Subject Matter Specialist	Vacant	-	-	-	-	-	-
8	Programme Assistant	Vacant	-	-	-	-	-	-
9	Computer Programmer	Md. Sadakat Ali	Prog.Asst (Computer)	-	9300-34800 AGP- 4200	28/12/10	Temporary	Others
10	Farm Manager	Harapriya Sethy	Farm Manager	Horticulture	9300-34800 AGP-4200	03/02/15	Temporary	SC
11	Accountant / Superintendent	Vacant	Accountant / superintendent	-	9300-34800 AGP-4600	-	-	-
12	Stenographer	B. K. Behera	Stenographer	-	5200- 20000 AGP -2400	16/01/06	Temporary	SC
13.	Driver	T. Sahoo	Driver	-	5200-20200 AGP-1900	07/09/15	Temporary	Others
14.	Driver	G.S.Choudhury	Driver	-	5200-20200 AGP-1900	15/11/13	Temporary	Others
15.	Supporting staff	B. Baral	Supporting staff	-	4440-14680 AGP-1300	20/12/07	Temporary	Others
16.	Supporting staff	K. Samal	Supporting staff	-	4440-14680 AGP-1300	20/12/07	Temporary	Others

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Cultivable Land i) High Land: 3.0 ii) Medium Land: 1.00	4.0
2.	Uneven Hilly & Degraded Forest	9.15
3.	Canal and Road	1.2
4.	KVK Campus Area	1.6
5.	Agro-Polytechnic campus	2.15
6	Diverted by Tahasildar Boudh for establishment of skill development centre & PHC Baghiapada	1.9
	Total	**20.00**

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building	-	-	-	-	Yes	-	Use	ICAR
2.	Farmers Hostel	-	-	-	-	Yes	-	Use	ICAR
3.	Staff Quarters (6)	-	-	-	-	Yes	-	Use	ICAR
4.	Piggery unit	-	-	-	-	-	-	-	-
5	Fencing	-	-	-	-	-	-	-	-
6	Rain Water harvesting structure	-	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-	-
9.	Dairy unit	-	-	-	-	-	-	-	-
10.	Poultry unit	-	-	-	-	Yes	-	Use	RKVY
11.	Goatary unit	-	-	-	-	-	-	-	-
12.	Mushroom Lab	-	-	-	-	-	-	-	-

13.	Mushroom production unit	-	-	-	-	Yes	-	Use	ICAR
14.	Shade house	-	-	-	-	-	-	-	-
15.	Soil test Lab	-	-	-	-	Yes	-	Use	ICAR
16	Others,Please Specify	-	-	-	-	-	-	-	-

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
TATA SUMO	2005-06	3,84,042	200000	Condemned
Tractor	2005-06	4,34,088	85000	Running Condition
Motor cycle	2009-10	49,965	62000	Running Condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
b. Farm machinery				
c. AV Aids				
i. Television (Philips)	31.3.2007	11,200	Good condition	ICAR
ii. Camera (Sony)	31.3.2007	9,900	Good condition	ICAR
iii. Camera (Sony)	31.3.2008	9,490	Good condition	ICAR
iv. Handy cam (Sony)	31.3.2012	24,700	Good condition	ICAR
v. GPS Camera	31.3.2016	22,500	Good condition	ICAR
vi. Camera	31.3.2018	10,169	Good condition	ICAR
vii.LED TV	31.3.2018	50,000	Good condition	ICAR
viii. LCD Projector	15.01.2010	86,000	Good condition	ICAR
ix. Picco Projector	31.3.2017	20,000	Good condition	ICAR
x. Ahuja Complier	31.3.2010	9,450	Good condition	ICAR
xi. Ahuja speaker Box	31.3.2010	7,300	Good condition	ICAR
xii.Ahuja codeless phone	31.3.2010	2,350	Good condition	ICAR
xiii. Ahuja stand mic phone	31.3.2010	1,740	Good condition	ICAR
xiv. Ahuja micro phone stand	31.3.2010	1,500	Good condition	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
i. Rotavetor	31.3.2012	30,000	Good condition	ICAR
ii. MC Thresher cum Fan type winner	31.3.2012	20,000	Good condition	ICAR
iii. Aspee power sprayer	31.3.2016	7,865	Good condition	ICAR
iv. M.B.Plough	31.3.2016	30,500	Good condition	ICAR
v. 9 type cultivator	31.3.2016	25,500	Good condition	ICAR
vi. Aspee Arush cutter	31.3.2016	25,300	Good condition	ICAR
vii. Weeder (Dry land)	31.3.2017	35,801	Good condition	ICAR
viii. Agrimate power mist blower	31.3.2017	8,400	Good condition	ICAR
ix. KNAPSM type battery operated sprayer	31.3.2017	4,410	Good condition	ICAR

1.8. Details SAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	21/12/2018	31	➢ More seedlings and propagating materials of medicinal plants to be produced at KVK level.	-	-
			➢ Popularization of local Brinjal variety by planting in scientific way at crop cafeteria.		
			➢ Onion varieties to plant in convergence with NHRDF for their varieties.		
			➢ Different varieties of Banana crop to be planted in the crop cafeteria through AICRP		
			➢ Local Papaya varieties to be given emphasis by including in crop cafeteria and seedling production.		
			➢ Different breeds of poultry to be managed in separate capsules and a breeding room to be managed for upto 21 days old chicks.		
			➢ Forestry unit to be impoverished by introducing shade loving plants, planting of Black Pepper, ginger etc. to be introduced.		
			➢ Planting of trees around the boundary of KVK and Agro-Polytechnique College for aesthetic purpose.		
			➢ More beds of mushroom to be produced.		
			➢ Different components of decompotion to be introduced at vermicompost polythene units like vegetable waste, decomposes liquid, etc. as separate component units.		

			➢ OFT on cotton to be introduced in the next Kharif Season.		
			➢ Popularization of bund plantation of pigeon pea or greengram to be given emphasis.		
			➢ Different varietal trial based upon the rainfed condition of Boudh district e.g. short duration varieties.		
			➢ Non chemical method of weed management to be taken as a trial in some crops for reducing chemical use.		
			➢ Introduction of sun hemp (chain) for weed suppression to can be used as a trial in Agronomy.		
			➢ Problems in fruit crops like mango and guava to be indentified and solution for remouncing the gap to be carried out accordingly.		
			➢ Skipped row method to be popularized in rice crop for reducing the BPH attack.		
			➢ Emphasis shall be given on more vocational trainings.		
			➢ Importance shall be given on fruit crops and encouraging the value chain and marketing to be carried out.		
			➢ Popularization of drumstick and papaya cultivation by bonding drumstick, due its high nutritional value.		
			➢ Ripe papaya (var. YMV resistant) to be export to Bhubaneswar market.		
			➢ Viral disease in cucurbit especially pumpkin management to be carried out		
			➢ Problem identification regarding cultivation of pumpkin and watermelon shall be carried out		
			➢ Method of ITK for management of meely bug in rice to be encouraged.		
			➢ Area increase in sunflower cultivation.		
			➢ Germination test and quality seed ckeck of onion to be given more importance		
			➢ Hay and silage method of cultivation to encouraged for fodder cultivation. The seeds of fodder to be introduced at KVK adopted village and a fodder plat as demo unit to be introduced at crop cafeteria of KVK campus.		
			➢ Animal health camp to be organized in KVK operated villages in convergence with veterinary department.		
			➢ Advanced Farmer/Progressive farmer to be encouraged for fodder cultivation.		
			➢ An auto breeding fish breed and a new species with no hatching technique to be introduced in KVK farm pond unit for rearing.		
			➢ Field day shall be organized with ATMA after paddy transplanting to create awareness on BPH.		
			➢ Lac Cultivation At Boudh to be encouraged to explore and utilized huge population of Palasa trees for brooding of Lac resigns.		
			➢ Fund regarding introduction and training under Lac farming to be placed by DFO, Boudh		

			➢ Bamboo plantation to be encouraged in small canals on tributaries of rivers.		
			➢ More technology based upon rainfed condition shall be introduced.		
			➢ Importance to be given on off season vegetable cultivation.		
			➢ Small and marginal farmers shall be given importance and trial in KVK to be based upon small and marginal farmer's practices.		
			➢ Entrepreneurship development to be encouraged.		
			➢ Oil palm processing unit shall be formed at the district and capacity building on oilpalm processing shall be carried out.		
			➢ Awareness and encouragement of farmers regarding maize cultivation and pulse cultivation to be given.		
			➢ Sweet corn and papaya to be given emphasis based upon its export value.		
			➢ Value chain, marketing and export of drumstick and value added products to be encouraged.		
			➢ Training, Awareness and trials to be conducted based on INM and IPM.		
			➢ Marketing linkage of fruit crops, value added products cash crops to be given more importance.		
			➢ Strengthening of linkage between KVK and Line deptt.		
			➢ Model price for commodities on weekly basis to be communicated through KMAS.		
			➢ Linkage of all RMC will be conducted which included RMC of Boudh district.		
			➢ FAQ norms of paddy is not procured. 5-10 % of FAQ norms of paddy is followed.		
			➢ Procurement through e-NAM shall be carried out for Boudh district which include cotton crop, Mahua crop etc.		
			➢ Other crops like Watermelon, Pumpkin and Onion has highest building at e-NAM of Boudh		
			➢ Emphasis on weather forecasting awareness		
			➢ Livelihood component for small and marginal farmer based upon mushroom cultivation, Chick Rearing.		
			➢ Entrepreneurship development promoting commercial crops like Banana, Watermelon and pumpkin		
			➢ Capacity building through training of Rural Youths on Marketing methods and primary processing. Entrepreneurship and hand hold support to given to Rural Youth.		
			➢ Scientific modification in KVK and crop cafeteria.		
			➢ Emerging road map based on important crops like cotton, fruit crops etc.		

** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

List of participants present in the Rabi 15th SAC meeting with their address and status in the meeting.

Sl. No	Name	Designation &Address	Status
1	Dr. Mahamaya Prasad Nayak	Joint Director Information, OUAT,BBSR	Chairing
2	Dr. R.K.Patnaik	Associate Dean, College of Agriculture & Horticulture Chiplima	Special Invitee
3	Sri Manoranjan Mallik	DDA, Boudh	Member
4	Sir T.S.Raut	DDM, NABARD	Member
5	Sri Raghava Mallick	PD, Watershed	Member
6	Sri Narayan Mahanandi	DAO, Boudh	Member
7	Sri Bishnu Ch. Behera	ACF,Boudh	Member
8	Sri Biswanath Kheti	AFO, Boudh	Member
9	Sri Hadibandhu Mahakud	Secy, RMC,Boudh	Invitee
10	Dr. Ruth Dung Dung	VAS,Baghiapada,Boudh	Invitee
11	Sri Abhijit Mohanty	RMC,Staff,Boudh	Invitee
12	Sri Abhilash Mahakud	Tech. Assistant, NHRDF, Boudh	Invitee
13	Sir Ranjit Kumar Das	Tech. Officer, NHRDF,Boudh	Invitee
14	Miss Surajyoti Pradhan	Scientist (Agronomy), KVK,Sonepur	Invitee
15	Sri Sanjit Pradhan	Progressive Farmer	Member
16	Sri Ramesh Naik	Progressive Farmer	Member
17	Smt Ritanjali Naik	Progressive Farm Women & SAC Member	Member
18	Smt. Gurubari Sahoo	Progressive Farm Women & SAC Member	Member
19	Sri Jayadev Pradhan	Progressive Farmer & SAC Member	Member
20	Sri Khetrabasi Naik	Progressive Farmer & SAC Member	Member
21	Dr. Sutanu Kumar Satapathy	Sr.Scientist & Head, KVK, Boudh	Convener

2.a. District level data on agriculture, livestock and farming situation (2018-19)

Sl. no.	Item	Information	
1	Major Farming system/enterprise	Rice-pulses, Rice Oilseeds, Rice-rice, Rice-Vegetables, Sugarcane, Cotton, Goatery, Diary	
2	Agro-climatic Zone	Western Central Table land	
3	Agro ecological situation	Hot to sub humid	
4	Soil type	Black soil, Mixed red & Black, Red soil	
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Green gram	4.92
		Black gram	4.50
		Pigeonpea	7.32
		Sesamum	4.01
		Green gram	4.92
6	Mean yearly temperature, rainfall, humidity of the district	A mean maximum summer temperature 48.5° centigrade and mean winter temperature 9.5° centigrade.	
7	Production of major livestock products like milk, egg, meat etc.	Milk	25.13 (000 MT)
		Egg	14.59 (Mill No)
		Meat	2468.65 (M.T)
		Fish (Fresh water)	5167.60 (in MT)
		Egg	14.59 (Mill No)

Note: Please give recent data only

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

Name of village	**Block**	**Action taken for development**
Rampur	Boudh	Training, OFT (PP), OFT(Hort),FLD
Isirisinga	Boudh	Training, OFT (PP), OFT(Hort),FLD,
Amthapada	Boudh	Training, OFT (PP), OFT(Hort),FLD, Module Activity-1
Palaspat	Boudh	Training, OFT (PP), OFT(Hort),FLD
Lambakani	Harbhanga	Training, OFT (PP), CFLD Activity, Module Activity-2

2. c. Details of village adoption programme:

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

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1	Boudh	Boudh	Amthapada	Paddy Pigeonpea Onion Vegetable Goatery	Paddy-Paddy Pigeonpea Onion	Drought tolerant variety Short duration , Pod borer damage

2.1 Priority thrust areas

S. No	Thrust area
1.	Crop diversification and varietal substitution
2.	Integrated Nutrient Management practices in crops
3.	Acid soil reclamation
4.	Integrated Pest & Disease Management
5.	Improving productivity of horticultural crops
6.	Farm mechanization, post-harvest and soil and water conservation
7.	Drudgery reduction
8.	Scientific management of Goatery, Apiary, Fishery & Dairy
9.	Organic farming
10.	Post-Harvest Management and Value Addition
11.	Soil and Water Conservation
12.	Organic farming-use of vermicompost, Azolla and biofertiliser

3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
12	10	84	8	-	12	2	44	4	64	6	70	12	08	120	4	-	8	2	62	4	74	6	80

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	34	1250	68	-	191	-	591	-	850	-	850	500	421	50000	221	198	752	658	33000	740	33973	1596	35569

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
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
10.0	6.0	500000	388070

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
-	-	0.050	0.040

* 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
Book/ Booklet	03	1500	-	-	-	-	-
Leaflets	02	1000	-	-	-	-	-
Poster/Flex	19	19	-	-	-	-	-
News letter	01	500	-	-	-	-	-
News paper Coverage	04	Mass	-	-	-	-	-
Popular Articles	-	-	-	-	-	-	-
Technical bulletins	04	15	-	-	-	-	-
Technical report	06	30	-	-	-	-	-
Training material	-	-	-	-	-	-	-
Year planner	01	20	-	-	-	-	-
CDs/ DVDs	08	200	-	-	-	-	-
Total	**48**	**3284**	-	-	-	-	-

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	**Assessment of BPH tolerant Rice varieties**
2.	Problem diagnosed	Low yield due to more infestation of BPH
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT- 2016
5.	Production system and thematic area	Irrigated medium land & Varietal Evaluation
6.	Performance of the Technology with performance indicators	No.of BPH/hill, No.of grains/panicle, No.of affected panicles,Yield
7.	Final recommendation for micro level situation	**TO-1 =** Hasanta-Small bold grains,white kernel, straw colour hull.Moderately resistance to leaf folder,leaf blast,sheath blight& bacterial leaf blast Avg.yield-55-60qt,duration-145days **TO-2=** Pratiksya- Irrigated, Avg.yield-55-60qt, Duration-145 days. Resistance to WBPH
8.	Constraints identified and feedback for research	Good yield potential upto 5.2 to 5.5t/ha,maturity-145days Tolerant to BPH
9.	Process of farmers participation and their reaction	Farmers are appreciated

Table:1

Technology option	No. of trials	Yield component			% change in Yield	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No.of BPH /hill	No.of grains/panicle	Test wt. (100 grain wt.)						
FP	1	25	178	-	-	26.07	20,470	34,892	14,622	1.4
TO-1		5	247	-	31.15	34.19	51,898	80,730	28,832	1.8
TO-2		8	226	-	23.14	32.10	42,798	67,973	25,175	1.7

OFT-2

1.	Title of On farm Trial	**Assessment of aromatic rice varieties in medium land**
2.	Problem diagnosed	Low income from HY Paddy
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NRRI, Cuttack- 2014
5.	Production system and thematic area	Irrigated medium land & Varietal Evaluation
6.	Performance of the Technology with performance indicators	Duration (days), days to flowering (days),seed test wt., Tillering (No. of tiller/hill)
7.	Final recommendation for micro level situation	**TO-1 =** Cultivation of Aromatic paddy CR-907 **TO-2=** Cultivation of Aromatic paddy Geetanjali
8.	Constraints identified and feedback for research	135 duration, Non shatter, Yield – 3.5 ton4.0 qtl/ha, moderate resistant to control pest and disease
9.	Process of farmers participation and their reaction	Farmers are appreciated

Table:2

Technology option	No. of trials	Yield component			% change in Yield	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 grains/panicle	Test wt. (100 grain wt.)						
FP	1	8	-	-	-	23.5	66,120	1,00,920	34,800	1.9
TO-1		13	-	-	27	30	1,32,500	1,85,500	53,000	2.5
TO-2		15	-	-	48.9	35	2,95,800	3,97,800	1,02,000	2.9

OFT-3

1.	Title of On farm Trial	**Assessment of herbicide in Greengram**
2.	Problem diagnosed	Low income from HY Paddy
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NRRI, Cuttack- 2014
5.	Production system and thematic area	Irrigated medium land & Varietal Evaluation
6.	Performance of the Technology with performance indicators	Duration (days), days to flowering (days),seed test wt., Tillering (No. of tiller/hill)
7.	Final recommendation for micro level situation	**TO-1 =** Cultivation of Aromatic paddy CR-907 **TO-2=** Cultivation of Aromatic paddy Geetanjali
8.	Constraints identified and feedback for research	135 duration, Non shatter, Yield – 3.5 ton4.0 qtl/ha, moderate resistant to control pest and disease
9.	Process of farmers participation and their reaction	Farmers are appreciated

Table:3

Technology option	No. of trials	Yield component			% change in Yield	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Weeds/sq. mt	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	1	25	-	-	-	4.5	15,059	24,471	9,412	1.6
TO-1		5	-	-	24.1	5.6	20,230	32,130	11,900	1.7
TO-2		7	-	-	37.7	6.2	23,931	37,226	13,295	1.8

OFT-4

1.	Title of On farm Trial	**Assessment of Onion varieties in Kharif Season**
2.	Problem diagnosed	Low yield from farmer's cultivated var. Agri found dark red
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	DOGR, Pune -2016
5.	Production system and thematic area	Irrigated medium land & Varietal Evaluation
6.	Performance of the Technology with performance indicators	Bulb Dia, Bulb Weight
7.	Final recommendation for micro level situation	**TO-1 =** Bhima super **TO-2=** Bhima super dark red
8.	Constraints identified and feedback for research	Bhima Super = Mature in 100 – 105 DAT, Yield = 20-22 ton/ha., Bhima Dark Red = Mature in 95-100 DAT, Yield = 20-22 ton/ha
9.	Process of farmers participation and their reaction	Farmers are appreciated

Table: 4

Technology option	No. of trials	Yield component			**% change in Yield**	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Bulb Weight	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	1	146.0 g	-	-	-	163	1,80,930	2,91,930	1,11,000	1.63
TO-1		172.1 g	-	-	17	192	2,86,080	4,35,080	1,49,000	1.92
TO-2		176.1g	-	-	21	198	3,02,940	4,55,940	1,53,000	1.98

OFT-5

1.	Title of On farm Trial	**Assessment of effect of Herbicide application yield of Kharif Tomato**
2.	Problem diagnosed	Low yield due heavy weed infestation & high cost of manual weeding
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	DOGR, Pune -2016
5.	Production system and thematic area	Irrigated medium land & Varietal Evaluation
6.	Performance of the Technology with performance indicators	No. of weeds/m^2, Yield(q/ha.)
7.	Final recommendation for micro level situation	**TO-1 =** Pre-emergence application of pendimethaline @2.5 lit/ha **TO-2=** Pre-emergence application of Pendimethaline @2.5 lit/ha + Post emergence application of quizalfopethyle @ 1 lit/ha
8.	Constraints identified and feedback for research	Application of herbicide checked weed population decreases cost of cultivation increases yield
9.	Process of farmers participation and their reaction	Farmers are appreciated

Table: 5

Technology option	No. of trials	Yield component			% change in Yield	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of weeds/m^2	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	1	14	-	-	-	184.1	1,54,560	2,38,560	84,000	1.84
TO-1		5	-	-	17.9	217.1	2,53,890	3,70,890	1,17,000	2.17
TO-2		4	-	-	21	223	2,69,830	3,90,830	1,21,000	2.23

OFT-6

1.	Title of On farm Trial	**Assessment of triple disease resistant tomato hybrid "Arka Rakshak**
2.	Problem diagnosed	Low yeild of tomato due to incidence of predominant diseases viz. bacterial wilt. Early blight and ToLCV (Tomato leaf curl virus)
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIHR, 2013
5.	Production system and thematic area	Irrigated medium land & Varietal Evaluation
6.	Performance of the Technology with performance indicators	Wilt incidence (%), PDI of early blight & ToLCV, Fruit wt(g)
7.	Final recommendation for micro level situation	**TO-1 =** Arka Rakshak
8.	Constraints identified and feedback for research	High yielding F1 hybrid with triple disease resistance to ToL CV, BW and early blight. Fruits square round, large (90-100g), Deep red , firm fruits. Suitable for fresh market and processing . Yield 75-80 t/ha in 140days.
9.	Process of farmers participation and their reaction	Farmers are appreciated

Table: 6

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No.of Fruits /plant	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	1	30	-	-	-	396	1,41,741	2,30,886	89,145	1.59
TO-1		40	-	-	11.36	441	3,34,249	4,94,946	1,60,697	2.08

OFT-7

1.	Title of On farm Trial	**Assessment of IPM modules for Shoot and fruit borer in Brinjal**
2.	Problem diagnosed	Drying of growing shoots, damaged fruits, low yield of Brinjal due to Shoot & fruit borer infestation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIVR, Varanasi, 2010
5.	Production system and thematic area	Irrigated medium land & Varietal Evaluation
6.	Performance of the Technology with performance indicators	% of infested fruit
7.	Final recommendation for micro level situation	**TO-1 =** Pheromone trap @ 25 traps/ha+ alternate spray of neem oil 0.15 % @ 1lit/ha and Flubendamide 39.35 SC @ 200 ml/ha **TO-2=** Regular clipping of wilted twigs+ pheromone trap (20 traps/ha)+ alternate spray of neem oil 0.15 % @ 1 lit/ha and spinosad 45 @ 150ml/ ha.
8.	Constraints identified and feedback for research	Use of trap, regular clipping of wilted twigs, alternate of neem and pesticide reduces the shoot and fruit infestation and increases yield.
9.	Process of farmers participation and their reaction	Farmers are appreciated

Table: 7

Technology option	No. of trials	Yield component			% change in Yield	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		% of infested fruit	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	1	35.23	-	-	-	122.4	17,908	34,188	16,280	1.1
TO-1		8.27	-	-	68.2	205.8	1,94,238	3,02,148	1,07,910	1.8
TO-2		7.95	-	-	67.1	246	3,30,508	4,87,893	1,57,385	2.1

OFT-8

1.	Title of On farm Trial	**Assessment of Pesticides against Sesamum Pod Borer**
2.	Problem diagnosed	Low yield due to damaged pods
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIVR, Varanasi, 2010
5.	Production system and thematic area	Irrigated medium land & Varietal Evaluation
6.	Performance of the Technology with performance indicators	% of infested fruit
7.	Final recommendation for micro level situation	**TO-1 =** Cartap Hydrochloride or Fipronil @ 150ml/ha. **TO-2=** Profenophs @ 1lt./ha..
8.	Constraints identified and feedback for research	Use of trap, regular clipping of wilted twigs, alternate Spinosad@ 150ml/ha &Profenophs @ 1lt./ha pesticide reduces the shoot and fruit infestation and increases yield.
9.	Process of farmers participation and their reaction	Farmers are appreciated

Table: 8

Technology option	No. of trials	Yield component			% change in Yield	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		% of infested fruit	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	1	26.8	-	-	-	4.8	25,880	38,820	12,940	2.0
TO-1		16.9	-	-	29.17	6.2	52,416	72,576	20,160	2.6
TO-2		17.6	-	-	22.92	5.9	40,871	58,641	17,770	2.3

OFT-9

1.	Title of On farm Trial	**Assessment of Integrated management of WBPH and BPH in paddy**
2.	Problem diagnosed	Low yield and heavy damage of the crop
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NRRI,2014
5.	Production system and thematic area	Irrigated medium land & Varietal Evaluation
6.	Performance of the Technology with performance indicators	Stage of the plant, Presence of hoppers at basal portion & hopper burn
7.	Final recommendation for micro level situation	**TO-1 =** Making alleys at a distance of 2 m in paddy field.use of spider trap @ 25/ha, need based Alternate Spraying of flonicamid 50 WG @ 60 gm /acre and neem based pesticide 3000 ppm @ 600 ml/acre @ 10 days interval. **TO-2=** TO 1 repeated with Spraying of pymetrozene 50 WG @ 120 gm/acre
8.	Constraints identified and feedback for research	Chloropyrifos acts on the nervous system of insects by inhibiting acetylcholinesterase. Thiamethoxam interferes with a specific receptor site in the insect's nervous system.
9.	Process of farmers participation and their reaction	Farmers are appreciated

Table: 9

Technology option	No. of trials	Yield component			% change in Yield	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Stage of the plant	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	1	8.92	-	-	-	26.07	18,711	38,407	19,696	0.95
TO-1		9.45	-	-	31.15	34.19	38,558	68,448	29,890	1.29
TO-2		9.20	-	-	23.14	32.10	34,602	62,284	27,682	1.25

OFT-10

1.	Title of On farm Trial	**Study of existing marketing approach of Rabi onion**
2.	Problem diagnosed	Low fetching of onion price during harvesting
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	-
5.	Production system and thematic area	Irrigated medium land & Varietal Evaluation
6.	Performance of the Technology with performance indicators	➢ Association of different type marketing channel ➢ Current market infrastructure ➢ Comparative price of onion from producer to cone ➢ Losses due to transport & storage ➢ Net return of farmer & traders
7.	Final recommendation for micro level situation	**TO-1 =** Cooperative Society **TO-2=** Direct- Farmer to end user(Consumer)
8.	Constraints identified and feedback for research	➢ To identify existing channel & steps involved in marketing of onion ➢ To study marketing status of onion in Boudh ➢ To study the stake holder involved in marketing of onion ➢ To study the time taken for the onion to reach from farm-plate
9.	Process of farmers participation and their reaction	Farmers are appreciated

Table: 10

Technology option	No. of trials	Results	(Price (Rs./q)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	1	Marketing through private traders	650	-	56,780	1,30,000	73,220	1:2.28
TO-1		Marketing through co-operative society	800	-	59,465	1,60,000	1,00,535	1:2.69
TO-2		Marketing through direct farmers to consumer	1000	-	68,190	2,00,000	1,31,810	1:2.93

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	Paddy	Varietal Evaluation	Drought tolerant variety Sahabhagidhan (Application of NPK (60:30:30) alongwith Azotobacter 5kg/ha and $ZnSo_4$ @10-12 kg/ha with need based pesticide)	1.0	1.0	-	-	-	-	10	-	10	-	10	-
2	Paddy	IPM	Variety: Rajalaxmi, seed rate @ 15 kg/ha with (Application of NPK (120:60:60) alongwith Azotobacter 5kg/ha and $ZnSo_4$ @10-12 kg/ha with need based pesticide)	2.0	2.0	-	-	2	-	8	-	10	-	10	-
3	Paddy	INM	Nursery management, Time based application of pre-emergence Pyrazosulfuron @200gm/ha ,post-emergence of herbicide (10-15 DAT) Fenox a prop-p-ethyle 6.9E.C @500ml/ha 13-15DAT	2.0	2.0	-	-	2	-	8	-	10	-	10	-

4	Maize	INM	Intercropping of one row of cowpea with spacing 15cm	1.0	1.0	1	-	2	-	7	-	10	-	10	-
5	Chilli	INM	Soil application of Azospirillum & PSB each @ 5kg/ha incubated with FYM + 75 % of RDF (120:60:80 kg NPK/ha)	1.0	1.0	-	-	2	-	8	-	10	-	10	-
6	Okra	Weed management	Pre-emergence application of pendimethalin @ 2.5 lit/ha and post emergence application quizalofop ethyl 5EC @1 lit/ha 20 DAS	1.0	1.0	1	-	2	-	7	-	10	-	10	-
7	Onion	Weed management	Pre-emergence application of pendimethalin @ 2.5 lit/ha.	1.0	1.0	1	-	3	-	6	-	10	-	10	-
8	Chilli	IPM	Spraying of Difenthurion @ 150 gram/ha. Alternatively at 15 days interval. (20 traps/ha) + alternate spray of acetamiprid 20 SP @ 125 gm/ha.	1.0	1.0	1	-	3	-	6	-	10	-	10	-

Details of farming situation

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

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

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

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

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

Pulses

Frontline demonstration on pulse crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Pigeonpea	Varietal Evaluation	Use of HYV PRG 176; Seed treatment with carboxin+ thiram; Application of herbicides(pendimethalin and imazethapyr)	43	20	7.4	5.0	32.4	24200	51600	27400	2.1	22650	43200	20550	1.9
Greengram	Varietal Evaluation	Use of HYV(IPM-02-3)Seed treatment with carboxin+ thiram; Application of herbicides(pendimethalin 2.5 lit/ha Application of Imidacloprid @0.4 ml/litcontrol sucking pest attack	125	50	6.7	5.2	22.3	20200	46900	17700	1.6	27650	37100	9450	1.34
Blackgram	Varietal Evaluation	Use of HYV (Prasad); Seed treatment with carboxin+thiram; Application of herbicide(pendimethalin and imazethapyr); Plant protection measures (Application of prophenophos+ cypermethrin against Red Hairy caterpillar.	16	10	12.9	9.96	26.2	22990	37250	14260	1.62	18600	26400	7800	1.42
Total	-	-	184	80	27	20.16	80.9	67390	135750	59360	5.32	68900	106700	37800	4.66

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

** BCR= GROSS RETURN/GROSS COST

Other crops : NA

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 : NA

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

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

** BCR= GROSS RETURN/GROSS COST

Fisheries : NA

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

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

Other enterprises : NA

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

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

Women empowerment : NA

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Farm Women					

Pregnant women					
Adolescent Girl					
Other women					
Children					
Neonatal					
Infants					

Farm implements and machinery : NA

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 : NA

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

Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
Total										
Commercial crops										
Cotton										

Coconut										
Others (Pl. specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back

Extension and Training activities under FLD

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

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

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Pigeonpea	Kandula	9.5	145	54	-650	Use of HYV LRG-41, PRG 76; Seed treatment with carboxin+ thiram; Application of herbicides(pendimethalin and imazethapyr)	43	20	14.0	11.8	12.9	2.94q	8.45q	-2.1q

2	Greengram	Jhainmoog	6.7	503	476	1204	➢ Use of HYV(IPM-02-3)Seed treatment with carboxin+ thiram; Application of herbicides(pendimethalin 2.5 lit/ha ➢ Application of Imidacloprid @0.4 ml/litcontrol sucking pest attack	18	10	7.5	5.7	6.7	1.63	1.90	-5.7
3	Blackgram	Local	5.28	190	70	-672	Use of HYV (Prasad); Seed treatment with carboxin+thiram; Application of herbicide(pendimethalin and imazethapyr); Plant protection measures (Application of prophenophos+ cypermethrin against Red Hairy caterpillar.	16	10	8.64	6.18	7.45	54.6	38.5	-61.1

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio
1	Use of HYV(LRG-41) Seed treatment with carboxin+ thiram; Application of herbicides(pendimethalin and imazethapyr)	22650	43200	20550	1.9	24200	51600	27400	2.1
2	➢ Use of HYV(IPM-03-2)Seed treatment with carboxin+ thiram; Application of herbicides(pendimethalin 2.5 lit/ha ➢ Application of Imidacloprid @0.4 ml/litcontrol sucking pest attack	27650	37100	9450	1.34	20200	46900	17700	1.6
3	Use of HYV (Prasad); Seed treatment with carboxin+thiram; Application of herbicide(pendimethalin and imazethapyr); Plant protection measures (Application of prophenophos+ cypermethrin against leaf eating caterpiller	18600	26400	7800	1.42	22990	37250	14260	1.62

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	Pigeonpea (LRG-41)	12900	50	40	100	190	for next season farming and house expenses	90
2	Greengram (IPM-03-2)	670	500	70	70	100	sold as seed	household expenditure
3	Blackgram (Prasad)	14903	183	50.00	2833	4560	Social function ,Education of children	52

D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1	HYV of Pigeonpea (LRG-41); Seed treatment with carboxin+ thiram; Application of herbicides(pendimethalin and imazethapyr)	Suitable	Very good	75%	No	Yes	No
2	➢ Use of HYV(IPM-03-2)Seed treatment with carboxin+ thiram; Application of herbicides(pendimethalin 2.5 lit/ha ➢ Application of Imidacloprid @0.4 ml/litcontrol sucking pest attack	suitability to their farming system	preferred	72%	nil	yes	No

3	HYV of Blackgram (Prasad); Seed treatment with carboxin+thiram; Application of herbicide(pendimethalin and imazethapyr); Plant protection measures (Application of prophenophos+ cypermethrin against leaf eating caterpiller	Suitable	Very good	70%	No	Yes	Timely availability of seed

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
HYV Pigeonpea variety (LRG-41) Medium duration: 170-200 days; Plant ht:140-227 cm; 50% flowering: 110-125 days; 75% flowering: 160-202 days; seeds brown, oval; 100 seed wt: 10.2-11.2 g; Potential yield:15-16q/ha; Resistant to f*usarium* wilt and sterility mosaic	Well in farmer's field	Demonstrated technology of improved variety with seed treatment; weed management by herbicides and proper plant protection measures resulted higher grain yield and profit as compared to local check under CFLD programme resulted.	Farmers were convinced with the technology and decided to cultivate this variety in next season with same package of practices.
HYV Greengram (IPM-03-2) released on 2012, Potential yield:12.4q /ha; Duration: 75-80 days, Resistant to YMV.	Excellent in field condition	Demonstrated technology of improved variety with seed treatment; weed management by herbicides and proper plant protection measures resulted higher grain yield and profit as compared to local check under CFLD programme resulted.	Suitability to their farming system
HYV Blackgram (Prasad) released on 2008, Potential yield:12q /ha; Duration: 75-80 days, Resistant to YMV.	The demonstration performed well with higher production and profit	Demonstrated technology of improved variety with seed treatment; weed management by herbicides and proper plant protection measures resulted higher grain yield and profit as compared to local check under CFLD programme resulted.	Farmers were convinced with the technology and decided to cultivate the variety (Prasad) in next season with same package of practices.

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Training (Blackgram)	25.07.2017(Durgaprasad)	25
2	Training (Greengram)	26.08.2017(Lambakani)	25
3	Field Day (Pigeonpea)	25.11.2017(Baghiapada)	50
4	Field day (greengram)	28.11.2017(Majhisahi)	50

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


H. Farmers' training photographs

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

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input	2,75,520	2,34,370	Nil
	ii) TA/DA/POL etc. for monitoring		9,050	
	iii) Extension Activities (Field day)		11,100	
	iv)Publication of literature		21,000	
	TOTAL	**2,75,520**	**2,75,520**	

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													
INM in paddy	01	18	-	-	3	-	-	4	-	-	25	-	25
Weed management in transplanted paddy	01	21	-	-	2	-	-	2	-	-	25	-	25
Integrated farming system household food security	01	21	-	-	4	-	-	-	-	-	25	-	25
Weed management techniques in pulses	01	19	-	-	2	-	-	4	-	-	25	-	25
Bio fertilizer & its importance	01	19	-	-	2	-	-	4	-	-	25	-	25
II. Horticulture													
a) Vegetable Crops													
INM in Chilli	01	25	-	-	-	-	-	-	-	-	25	-	25
Agro techniques of banana cultivation	01	22	-	-	2	-	-	1	-	-	25	-	25
Off season vegetable cultivation	01	18	-	-	3	-	-	4	-	-	25	-	25
Production technology in okra	01	24	-	-	1	-	-	-	-	-	25	-	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production technology of Kharif onion	01	22	-	-	2	-	-	1	-	-	25	-	25
III. Plant Protection													
IPM in Pulses	01	23	-	-	-	-	-	2	-	-	25	-	25
Integrated pest management in Potato	01	17	-	-	3	-	-	5	-	-	25	-	25
Pest survey & surveillance	01	14	-	-	3	-	-	8	-	-	25	-	25
Integrated pest management in Banana	01	16	-	-	3	-	-	6	-	-	25	-	25
Cultural practices for management insect pest & disease of crops grown in boudh district	01	18	-	-	3	-	-	4	-	-	25	-	25
IV. Agriculture Extension													
Livelihood security for small & marginal farmers	01	16	-	-	2	-	-	7	-	-	25	-	25
Safety operation & maintenance of low cost farm implements	01	12	-	-	8	-	-	5	-	-	25	-	25
Byproduct utilization in agriculture for environmental safety	01	14	-	-	5	-	-	6	-	-	25	-	25
TOTAL	**18**	**339**	**-**	**-**	**48**	**-**	**-**	**63**	**-**	**-**	**450**	**-**	**450**

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
Organic farming for better soil & crop management	02	9	-	-	3	-	-	3	-	-	15	-	15
Importance of Integrated Nutrient Management in Agriculture	02	9	-	-	3	-	-	3	-	-	15	-	15
Protected cultivation of vegetables	02	9	-	-	2	-	-	4	-	-	15	-	15
Post harvest management of vegetables	02	9	-	-	3	-	-	3	-	-	15	-	15
Method of sowing & preparation of pesticide formulation	02	9	-	-	3	-	-	3	-	-	15	-	15
Use of different traps for insect pest management	02	9	-	-	2	-	-	4	-	-	15	-	15
Entrepreneurship development among rural youth through mushroom spawn production	02	9	-	-	3	-	-	3	-	-	15	-	15
Income generation through income generating activities for rural youth	02	9	-	-	3	-	-	3	-	-	15	-	15
TOTAL	16	72	-	-	22	-	-	26	-	-	120	-	120

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
Conservation agriculture	01	11	-	-	1	-	-	3	-	-	15	-	15
Physiological disorder in fruits crops	01	13	-	-	1	-	-	1	-	-	15	-	15
Biological control of Insect pest management	01	10	-	-	1	-	-	4	-	-	15	-	15
TOTAL	**03**	**34**	**-**	**-**	**3**	**-**	**-**	**8**	**-**	**-**	**45**	**-**	**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													
Improved package of practice for major oilseed crops	01	17	-	-	2	-	-	6	-	-	25	-	25
Soil acidity & its reclamination	01	23	-	-	2	-	-	-	-	-	25	-	25
Soil health & importance of soil testing	01	20	-	-	-	1	-	4	-	-	25	-	25
Improved package of practice for Groundnut cultivation	01	21	-	-	4	-	-	-	-	-	25	-	25
II. Horticulture													
a) Vegetable Crops													
INM in solanaceous vegetable	01	23	-	-	1	-	-	1	-	-	25	-	25
Use of plant growth regulator in vegetable	01	24	-	-	1	-	-	-	-	-	25	-	25
Package of practices in bitter gourd	01	25	-	-	-	-	-	-	-	-	25	-	25
Water management in fruit crops	01	24	-	-	1	-	-	-	-	-	25	-	25
III. Plant Protection													
IPM in rice	01	16	-	-	2	-	-	7	-	-	25	-	25
IDM in rice	01	16	-	-	4	-	-	5	-	-	25	-	25
Insect & pest disease management in cucurbits	01	18	-	-	3	-	-	4	-	-	25	-	25
Indigenous technology knowledge in insect pests &disease control	01	14	-	-	5	-	-	6	-	-	25	-	25
IV. Agriculture Extension													
Income generation activity through paddy seed production	01	16	-	-	5	-	-	4	-	-	25	-	25
Management of farmers club	01	17	-	-	3	-	-	5	-	-	25	-	25
Management of SHG	01	12	-	-	7	-	-	6	-	-	25	-	25
New Dimension of Extension Approach and	01	18	-	-	2	-	-	5	-	-	25	-	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Technology Transfer to Farmers field													
TOTAL	**16**	**304**	**-**	**-**	**42**	**-**	**-**	**53**	**-**	**-**	**400**	**-**	**400**

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Crop production	F/FW	INM in paddy	01	ON	18	-	18	7	-	25
Crop production	F/FW	Weed management in transplanted paddy	01	ON	21	-	21	4	-	25
Crop production	F/FW	Integrated farming system household food security	01	ON	21	-	21	4	-	25
Crop production	F/FW	Weed management techniques in pulses	01	ON	19	-	19	6	-	25
Crop production	F/FW	Bio fertilizer & its importance	01	ON	19	-	19	6	-	25
Crop production	F/FW	Improved package of practice for major oilseed crops	01	OFF	17	-	17	8	-	25
Crop production	F/FW	Soil acidity & its reclamination	01	OFF	23	-	23	2	-	25
Crop production	F/FW	Soil health & importance of soil testing	01	OFF	20	-	20	5	-	25
Crop production	F/FW	Improved package of practice for Groundnut cultivation	01	OFF	21	-	21	4	-	25
Horticulture	F/FW	INM in Chilli	01	ON	25	-	25	-	-	25
Horticulture	F/FW	Agro techniques of banana cultivation	01	ON	22	-	22	3	-	25
Horticulture	F/FW	Off season vegetable cultivation	01	ON	18	-	18	7	-	25
Horticulture	F/FW	Production technology in okra	01	ON	24	-	24	1	-	25
Horticulture	F/FW	Production technology of Kharif onion	01	ON	22	-	22	3	-	25
Horticulture	F/FW	INM in solanaceous vegetable	01	OFF	17	-	17	8	-	25
Horticulture	F/FW	Use of plant growth regulator in vegetable	01	OFF	23	-	23	2	-	25
Horticulture	F/FW	Package of practices in bitter gourd	01	OFF	20	-	20	5	-	25
Horticulture	F/FW	Water management in fruit crops	01	OFF	21	-	21	4	-	25
Plant Protection	F/FW	IPM in Pulses	01	ON	23	-	23	2	-	25
Plant Protection	F/FW	Integrated pest management in Potato	01	ON	17	-	17	8	-	25
Plant Protection	F/FW	Pest survey & surveillance	01	ON	14	-	14	11	-	25
Plant Protection	F/FW	Integrated pest management in Banana	01	ON	16	-	16	9	-	25
Plant Protection	F/FW	Cultural practices for management insect pest & disease of crops grown in boudh district	01	ON	18	-	18	7	-	25
Plant Protection	F/FW	IPM in rice	01	OFF	16	-	16	9	-	25
Plant Protection	F/FW	IDM in rice	01	OFF	16	-	16	9	-	25

Plant Protection	F/FW	Insect & pest disease management in cucurbits	01	OFF	18	-	18	7	-	25
Plant Protection	F/FW	Indigenous technology knowledge in insect pests &disease control	01	OFF	14	-	14	11	-	25
Agril. Extension	F/FW	Livelihood security for small & marginal farmers	01	ON	16	-	16	9	-	25
Agril. Extension	F/FW	Safety operation & maintenance of low cost farm implements	01	ON	12	-	12	13	-	25
Agril. Extension	F/FW	Byproduct utilization in agriculture for environmental safety	01	ON	14	-	14	11	-	25
Agril. Extension	F/FW	Income generation activity through paddy seed production	01	OFF	16	-	16	9	-	25
Agril. Extension	F/FW	Management of farmers club	01	OFF	17	-	17	8	-	25
Agril. Extension	F/FW	Management of SHG	01	OFF	12	-	12	13	-	25
Agril. Extension	F/FW	New Dimension of Extension Approach and Technology Transfer to Farmers field	01	OFF	18	-	18	7	-	25

H) Vocational training programmes for Rural Youth: NA

Details of training programmes for Rural Youth

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

*training title should specify the major technology /skill transferred

I) Sponsored Training Programmes : NA

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	

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	3	1075	795	1870	39	95	35	130	1170	830	2000
KisanMela	2	455	196	651	28	40	9	49	495	205	700
KisanGhosthi	-	-	-	-	-	-	-	-	-	-	-
Exhibition	1	455	196	651	32	40	9	49	495	205	700
Film Show	14	240	60	300	29	-	-	-	240	60	300
Method Demonstrations	-	-	-	-	-	-	-	-	-	-	-
Farmers Seminar	-	-	-	-	-	-	-	-	-	-	-
Workshop	-	-	-	-	-	-	-	-	-	-	-
Group meetings	-	-	-	-	-	-	-	-	-	-	-
Lectures delivered as resource persons	-	-	-	-	-	-	-	-	-	-	-
Advisory Services	134	488	272	760	38	-	-	-	488	272	760
Scientific visit to farmers field	143	400	73	473	37	-	-	-	400	73	473
Farmers visit to KVK	322	300	22	322	39	-	-	-	300	22	322
Diagnostic visits	-	-	-	-	-	-	-	-	-	-	-
Exposure visits	3	25	-	25	5	-	-	-	25	-	25
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-	-
Soil health Camp	-	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	-	-	-	-	-	-	-	-	-	-	-
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-	-

Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
MahilaMandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Celebration of important days	1	45	5	50	-	-	-	-	45	5	50
Sankalp Se Siddhi	-	-	-	-	-	-	-	-	-	-	-
Swatchta Hi Sewa	-	-	-	-	-	-	-	-	-	-	-
MahilaKisan Divas	-	-	-	-	-	-	-	-	-	-	-
Any Other (Specify)	-	-	-	-	-	-	-	-	-	-	-
Total	**623**	**3483**	**1619**	**5102**	**247**	**175**	**53**	**228**	**3658**	**1672**	**5330**

B. Other Extension activities

Nature of Extension Activity	No. of activities
Book/ Booklet	03
Leaflets	02
Poster/Flex	19
News letter	01
News paper Coverage	04
Popular Articles	-
Technical bulletins	04
Technical report	06
Training material	-
Year planner	01
CDs/ DVDs	08
TOTAL	**48**

3.5 a. Production and supply of Technological products: NA

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
Pigeonpea	Ujwala PRG-176	7 qt	84,700	1	2	12	14
Dhanicha	Local	0.5 qt	2,000	09	1	1	2
Blackgram	Prasad	0.8 qt	3,540	08	1	2	3
Grand Total		**8.3 qt**	**90,240**	**40**	**4**	**15**	**19**

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							
Brinjal	JK Desi	1970	1000	2	3	8	13
Tomato	Utkal Pragyan	9500	20700	2	5	9	16
Chilli	Pusa Jwala	2020	1000	1	3	5	9
Cabbage	Pride of India	1500	1500	2	2	4	8
Cauliflower	Snow ball	3080	1500	1	5	10	16
Onion	Bhima Super	370000	16800	2	5	15	22
Total		**388070**	**42500**	**10**	**23**	**51**	**84**

Production of Bio-Products: NA

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

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	ST	Other	Total
Dairy animals							
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							
Small ruminants							
Sheep							
Goat							
Other, please specify							
Poultry							
Broilers							
Layers							
Duals (broiler and layer)							
Rain Booster	Rain Booster	240	14	1	2	10	13

Turkey							
Emu							
Ducks							
Others (Pl. specify)							
Piggery							
Piglet							
Hog							
Others (Pl. specify)							
Fisheries							
Indian carp							
Exotic carp							
Mixed carp							
Fish fingerlings							
Spawn							
Others (Pl. specify)							
Grand Total							

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

i) Name of Seed Hub Centre: NA

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

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2017	Pigeonpea	Ujala (PRG-176)	10 qt	1.5 ha	7 qts	FS
	Dhanicha	Local		1.5 Acre	0.5 qts	FS
Rabi 2017-18	Blackgram	Prasad	1 qt	1 Acre	0.8 qts	TL

iii) Financial Progress

Fund received (2016-17, 2017-18 and 2018-19)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17	-	-	-	-
2017-18	-	-	-	-
2018-19	8.07	-	-	Repair & Renovation work of Administrative Building & Farmers Hostel

iv) Infrastructure Development: NA

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper				
Seminar/conference/ symposia papers				
Books				
Bulletins				
News letter				
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature				
Technical reports				
Electronic Publication (CD/DVD etc)				
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.	Water use efficiency in cereal crops	Water use efficiency in cereal crops	Sasmita Priyadarshini SMS(Agronomy)	21-24,January,2019	IIWM
2.	Regional workshop of PPV & FR	Regional workshop of PPV & FR	Mayuri sing Sardar SMS(Ag.Extn)	15th March,2019	WBUA&FS,Kolkata
3.	Orientation Training programme on operational Modalities for KVKs	Orientation Training programme on operational Modalities for KVKs	Sasmita Priyadarshini SMS(Agronomy)	25-27,March,2019	DEE,OUAT
4.	Orientation Training programme on operational Modalities for KVKs	Orientation Training programme on operational Modalities for KVKs	Mayuri sing Sardar SMS(Ag.Extn)	25-27,March,2019	DEE,OUAT

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

Name of farmer	**Sri Kshetrabasi Naik**
Address	Village-Rampur, G.P:- Telibandha, Dist-Boudh
Contact details (Phone, mobile, email Id)	Mob: 09668209671
Landholding (in ha.)	1.5 ha
Name and description of the farm/ enterprise	Sri Kshetrabasi Naik is an innovative farmer of village Rampur of Boudh district. He has 1.5 ha of land. Out of which 0.6 ha is upland. He used to cultivate paddy is Kharif season & green gram in Rabi season from which he was getting low return. He was in search some better crop for earning more profit than paddy.
Economic impact	He cultivates early cauliflower in 0.25 ha area & Brinjal in 0.25 ha in Kharif season, Onion in 0.3 ha in late Kharif season & Tomato in 0.2 ha in spring summer. He is able to fetch higher market price from early cauliflower crop
Social impact	The socioeconomic condition of Sri Kshetrabasi Naik has been improved. He has become an ideal farmer in his locality. Farmer of his village & neighboring village are seeking suggestion from him for off season cultivation.

Environmental impact	Other farmers of his village was motivated towards agriculture and allied sector only for inspire from Mr. Naik.
Horizontal/ Vertical spread	With the success of Sri K.Naik farmers of his village have shown are showing interest for off season cultivation. Now farmers are cultivating early cauliflower in 3 ha area in that village. Besides farmers have started growing off season vegetable like Kharif Onion, Kharif Tamato in that village
	   
2. Name of farmer	**Sri Pradeep Kumar Bhanja**
Address	At- Lambakani, GP- Harbhanga, Dist- Boudh
Contact details (Phone, mobile, email Id)	**Mobile No :** 9556135707
Landholding (in ha.)	3.0 ha
Name and description of the farm/ enterprise	Through Sri P.Bhanja was a small farmer but he was innovative & dynamic. Being exposed to multifarious activities of KVK he was inspired for cultivation of such crops that can give more return per unit area. He attended training on off season vegetable cultivation organised by KVK. He was also supplied with extension literature of off season vegetable cultivation. Later be expressed his interest for such crops which can be cultivated in off season. He was included as beneficiaries in mandatory activity of KVK like OFT, FLD
Economic impact	Now he cultivates Paddy, Greengram, and Vegetables. Besides he is also cultivating livestock like kept cows, Chicks, fingerlings etc. He is also raising vegetable seedling in low cost plastic tunnel during Kharif season. After meeting his own demand for vegetable

	seedling he also sale surplus seedling to other farmer.
Social impact	Sri. P.Bhanja set himself as a role model for farmer of his village & other neighbouring village. Other farmers of his village have also started off season vegetable cultivation in a 6 Ac of Area.
Environmental impact	More than 45 nos of farmers are also motivated by him.
Horizontal/ Vertical spread	Farmers of other adjacent village like Badhigaon, Khuntiapada, Nuapalli have also started off season vegetable cultivation in small scale initially.
	 

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

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

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

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

b. Give details of organic farming practiced by the farmer : NA

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

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

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

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

Sl. No	Name of the Equipment	Qty.
1	Mridaparikshaka	01

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			
100	-	100	400	28	-

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	1	265	15	➢ Smt. Jyotsnarani Bhoi Zilla Parisad, Boudh ➢ Smt. Rebati Mahallick, Boudh Block Chairman ➢ Smt. Sairendra Mahakud Sarpanch, Baghiapada ➢ Sri Manoranjan Mallick, DDA,Boudh ➢ Sri Suryamani Maharana, ADH,Boudh ➢ Dr.Prasanta Ku. Mishra Consultant, ICRISAT,Bhubaneswar ➢ Sri Raghaba Mallick	105	300

				PD,Watershed, Boudh ➢ Narayana Mahananda, DAO,Boudh ➢ Dr. Sutanu Ku. Satapathy Sr. Scientist & Head ➢ Smt. Jyoti Rekha Mallick Scientist (Plant Protection) ➢ Miss Sasmita Priyadarshini Scientist (Agronomy)		

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

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

3.13. Technology week celebration : NA

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

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

No of student trained	No of days stayed

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit

4. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

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

4.2. Cases of large scale adoption : NA

(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread

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 : NA

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: NA

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

4.5. Details of entrepreneurship development : NA

Entrepreneurship development	
Name of the enterprise	
Name & complete address of the entrepreneur	
Role of KVK with quantitative data support:	
Timeline of the entrepreneurship development	
Technical Components of the Enterprise	
Status of entrepreneur before and after the enterprise	
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	
Horizontal spread of enterprise	

4.6. Any other initiative taken by the KVK : NA

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage

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: NA

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK: NA

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

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq. mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.									
2.									
3.									
4.									
5.									
6.									
7.									
	Total								

6.2. Performance of Instructional Farm (Crops)

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	
Pigeon pea (var. PRG-176)									
Dhanicha (var. Local)									
Vermicompost									
Mushroom									
Vegetable seedlings (Binjal, Chilli, Drumstick, Tomato, Onion, Cole crops)									

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.							

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

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

(For whole of the year)

6.6. Utilization of staff quarters

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

Months	Q I	QII	Q III	QIV	Q V	QVI
01.06.2012	3R	E-2	E-2	E-3	E-4	2RA
Alloted to staff of KVK,Boudh						

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Current KVK Account	SBI, Baghiapada	Baghiapada, Boudh	11758917116
Revolving Account	SBI, Baghiapada	Baghiapada, Boudh	30586643554

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

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

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	

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	-	-	-
2	Traveling allowances	60,000	60,000	60,000
3	Contingencies			
A	Office stationaries (OE)			
B	POL Vehicle	3,20,000	3,18,800	3,18,800
C	Meal Refreshment Training			
D	Training materials	2,40,000	2,40,000	2,40,000
E	FLD	1,60,000	1,60,000	1,60,000
F	OFT	80,000	80,000	80,000
G	SESP Contingency	2,00,000	2,00,000	2,00,000
H				
I				
J	Swachhta Expenditure			
TOTAL (A)		**10,60,000**	**10,58,800**	**10,58,800**
B. Non-Recurring Contingencies				
1	Works (Repairing & Renovation works)	8.07.000	8.07.000	8.07.000
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**18,67,000**	**18,65,800**	**18,65,800**

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	1,06,024	1,98,536	74,088	2,30,472
2016-17	2,30,472	1,27,891	98,025	2,60,338
2017-18	2,00,000	1,42,715	71,299	2,71,416
2018-19	2,71,416	1,43,718	97,923	3,17,211

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

7.7. Joint activity carried out with line departments and ATMA:

Name of activity	Number of activity	Season	With line department	With ATMA	With both
BGREI	04	Kharif	DDA	YES	YES
NFSM	04	Rabi	DDA	YES	YES
NHM	03	Kharif	ADH	-	-

8. Other information

8.1. Prevalent diseases in Crops : NA

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 : NA

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

9.1. Nehru Yuva Kendra (NYK) Training : NA

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

9.2. PPV & FR Sensitization training Programme : NA

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

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

Type of message	No. of messages	No. of farmers covered
Crop	35	32508
Livestock	-	
Fishery	-	
Weather	3	32508
Marketing	2	32508
Awareness	2	32508
Training information	-	
Other	-	
Total	**42**	**32508**

9.4. *KVK* Portal and Mobile App: NA

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

9.5. a. Observation of Swachh Bharat Programme: NA

Date/ Duration of Observation	Activities undertaken

b. Details of Swachhta activities with expenditure: NA

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

level		
8. Swachhta Workshops		
9. Swachhta Pledge		
10. Display and Banner		
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)		
14. No of Staff members involved in the activities		
15. No of VIP/VVIPs involved in the activities		
16. Any other specific activity (in details)		
Total		

9.6. Observation of National Science day: NA

Date of Observation	Activities undertaken

9.7. Programme with Seema Suraksha Bal/ BSF: NA

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school

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

Give good quality 1-2 photograph(s)

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

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

9.10. Details of Swachhta Hi Sewa programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	➢ Cleaning & awareness campaign in villages ➢ Cleaning & awareness campaign in School areas ➢ Cleaning & awareness campaign in Bus stand areas ➢ Cleaning & awareness campaign in public areas	02	30	-	-

9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Celebration of Mahila Kissan Divas	01	20	-	-

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	Manoj Pradhan	Bhejimal,Boudh	Transplanting technique of Watermelon
2	Pradeep Bhanja	Lambakani, Boudh	Integrated farming system
3	Prafulla Mahakud	Purunakatak, Boudh	Mushroom production unit

9.13. Revenue generation: NA

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

9.14. Resource Generation: NA

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 : NA

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

9.16. Contingent crop planning :NA

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

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

a) Year:
b) Introduction / General Information:

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

11. Details of TSP

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

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

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

c. Achievements of physical outcome under TSP during 2017-18 : NA

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

d. Location and Beneficiary Details during 2017-18 : NA

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

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

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: NA

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

Award received by Farmers from the KVK district: NA

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

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

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		145 into 42 ft					

17. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3-5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1					
2					

18. 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)					
II (up-to 24.04.218)					
Total					

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

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

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

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	

21. Information on NARI Project (if applicable)

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

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

Krishi Kalyan Abhiyan- I and II

A. Training

Name of programme	*No. of programmes*	*No. of farmers benefitted*									*No. of officials attended the programme*
		SC		*ST*		*Others*		*Total*			
		M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*T*	
KKA-I											
KKA-II											

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

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

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

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

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