

PROFORMA FOR ANNUAL REPORT 2020 (January 2020 to December 2020)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
At-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: Year of sanction of KVK: 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 20⁰ 22' N to 20⁰ 50' North Latitude and 83⁰ 34'E to 84⁰49' East Longitude.

1.5. Staff Position (as on 1st Jan, 2021)

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	Sutanu ku. 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	Under Buildings	4.0
2.	Under Demonstration Units	9.15
3.	Under Crops	1.2
4.	Orchard/Agro-forestry	1.6
5.	Others with details	2.15
	Total	1.9

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
Bolero	2019-20	8,00,000	-	Newly purchased

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	15.1.2010	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 of SAC meeting* conducted in the year

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	5.2.2021	26	➤ Popularisation of Agri-silvicultural model through KVK by live demonstration units at the crop cafeteria		
			➤ Increase soil health card targets for each KVK to be achieved		

			➤ More emphasis is to be given to the non-paddy crops for efficient utilisation of uplands and making it as the second crop after paddy		
			➤ More focus is to be given to onion and cotton crops due to its feasibility and quality.		
			➤ Short duration paddy variety and crop with efficient water utilising variety is to be introduced		
			➤ Popularisation of traditional onion local (multiplier onion) and small onion varieties to be introduced in Boudh district and Collector and DM has also shown interest regarding the onion varieties		
			➤ The capacity of poultry unit at KVK is to be increased to 1000 chick's capacity.		
			➤ The breeds like Rainbow rooster, polshree, Kadaknathare to be reared at the poultry units		
			➤ Awareness on Crop diversification is to be conducted.		
			➤ Importance to be given on Late kharif onion.		
			➤ Potential varieties of okra like ArkaNiketa to be encouraged among farmers		
			➤ OFT on multiplier onion variety is to be taken up with the local		
			➤ Capsicum can be introduced as a sole crop.		
			➤ Efforts are to be given to increase cropping intensity of the district		
			➤ Production technologies on organic vegetable and high value crops should be considered.		
			Processing varieties for crops like jack fruit, tomatoes to be introduced in the district from IIHR through KVK, Boudh		

** 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 17th SAC meeting with their address and status in the meeting.

Sl. No	Name	Designation &Address	Status
1	Prof. Pawan Kumar Agarwal	Hon'ble Vice-Chancellor, OUAT,BBSR	Chairman
2	Dr. L.M.Garnayak	Dean Extension Education, OUAT,BBSR	Conduct the meeting
3	Dr. F.H.Rahman	Principal Scientist, ATARI, Kolkata	Member
4	Dr. Govinda Acharya	Director, CHES, IHR, BBSR	Member
5	Dr. Madhumita Das	Principal Scientist, IIWM,BBSR	Member
6	Sri Manoj Kumar Bhuinya	DFO,Boudh	Member
7	Sj. Sarada Prasad Mishra	CDAO, Boudh	Member
8	Dr. Amitav Panda	CDVO,Boudh	Member
9	Dr. Nirod Chandra Kanhar	ADVO,Bouodh	Representative
10	Sj. Jogendranath Mohapatra	ADH, Boudh	Member
11	Sj. Raghaba Mallick	PD, Watershed	Member
12	Dr. Rajneesh Mishra	Dy. Director of NHRDF,Boudh	Member
13	Sj. Lakshyapati Bhoi	DSWO, Boudh	Member
14	Smt Dipti Sagarika Sahoo	AHO, Boudh	Representative
15	Sj. Debadutta Mishra	DPC, Boudh	Member
16	Dr. Jeebanjeet Sen	Sr.Scientist & Head, KVK, Sonapur	Invitee
17	Sri Amarnath Pradhan	RMC.Boudh	Member
18	Sri Pradip Deuri	NGO, Pali vikas parisad, Boudh	Invitee
19	Sri Khetrabasi Naik	Progressive Farmer	Member
20	Smt Sobharani Bhoi	Progressive Farmer	Invitee
21	Sri Manoj Kumar Pradhan	Progressive Farmer	Invitee
22	Sri Girish Chandra Pradhan	Progressive Farmer	Invitee
23	Sri Nabakishor Meher	Sambad Reporter	Media
24	Sri Srikanta Sahoo	Dharitri Reporter	Media
25	Sri Priyabrata Sahoo	Nakhetra News	Media
26	Dr.S.K.Satapathy	Sr.Scientist & Head, KVK, Boudh	Member-Secretary

2.a. District level data on agriculture, livestock and farming situation (2020-21)

Sl. no.	Item	Information	
1	Major Farming system/enterprise	Rice-pulses, Rice Oilseeds, Rice-rice, Rice-Vegetables, Sugarcane, Cotton, Goatery, Dairy	
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 (2019)

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:

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

Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessment of Aromatic paddy varieties in medium Irrigated Land.
2.	Problem diagnosed	Low yield from traditional scented Paddy varieties
3.	Details of technologies selected for assessment/refinement	Assessment
4.	Source of Technology (ICAR/AICRP/SAU/other, please specify)	RRTTS ,Bhawanipatna,2015
5.	Production system and thematic area	Medium, Irrigated Land
6.	Performance of the Technology with performance indicators	Cost of Intervention,Additional income over Additional cost, Yield per ha, B:C Ratio & Farmer feedback.
7.	Final recommendation for micro level situation	TO1- Scented Variety Geetanjali TO2- Scented Variety Nua Kalajeera
8.	Constraints identified and feedback for research	Geetanjali: Aromatic, Duration-135 days,suitable for irrigated Soil,An erect plant type ,it possess good grain quality after cooking,,Yield-6-10 tonnes /ha. Nua Kalajeera:Aromatic,short bold grain,maturity-145 days ,Moderately resistant to sheath Rot,Sheath Blight and blast. Yield: 3-4 tonnes/ha
9.	Process of farmers participation and their reaction	Farmers are appreciated

Table:1

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 panicles/ Hills	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	1	8	-	-	-	26.0	75,000	98,568	18,568	1.20
TO-1		15	-	-	-	39.5	72,000	1,23,786	43,786	1.54
TO-2		13	-	-	-	-	37.5	72,500	1,20,050	40,050

OFT-2

1.	Title of On farm Trial	Assessment of high protein ,nutrient rich Rice Varieties CR Dhan-310 and CR Dhan-311
2.	Problem diagnosed	Low Protein & Zinc Content in existing rice variety.
3.	Details of technologies selected for assessment/refinement	Assessment
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NRRI- 2014
5.	Production system and thematic area	Medium ,Irrigated Land
6.	Performance of the Technology with performance indicators	Cost of Intervention,Additional income over Additional cost, Yield per ha,B:C Ratio & Farmer feedback.
7.	Final recommendation for micro level situation	TO1- Protein rich paddy variety CR-Dhan-310 TO2- Protein rich paddy variety CR-Dhan-311
8.	Constraints identified and feedback for research	CR-Dhan-310: Medium Duration -125-130 Days,Semi-dwarf plant-110cm with medium slender and good grain quality ,yield-4.5 t/ha, & contain 10.2 % Protein. CR Dhan-311: It has high protein content 10.1% and moderately high level of Zinc Content (20PPM) in 10% polished rice,medium duration 125-130 days , semi dwarf-110 cm ,good grain quality with average yield of 5.5 t/ha.
9.	Process of farmers participation and their reaction	Farmers are appreciated

Table:2

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
		Filled grains/Hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	1	13	-	-	-	33.2	80,000	1,12,017	32,017	1.40
TO-1		14.5	-	-	-	42	77,000	1,28,456	48,456	1.60
TO-2		14.2	-	-	-	-	39.6	76,500	1,23,973	43,973

OFT-3

1.	Title of On farm Trial	Assessment of Onion Varieties of Kharif Season
2.	Problem diagnosed	Low yield due to Unavailability of Suitable variety.
3.	Details of technologies selected for assessment/refinement	Assessment
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AINRP on onion garlic Research, Pune, 2015
5.	Production system and thematic area	Upland and Irrigated Kharif
6.	Performance of the Technology with performance indicators	Cost of Intervention, Additional income over additional investment ,Yield (q/ha), B:C ratio & farmer feedback.
7.	Final recommendation for micro level situation	TO1- Bhima Super TO2- Arka Niketan
8.	Constraints identified and feedback for research	T O ₁ Bhima Super - Bulbs are dark Red in colour, flat, globular in shape, matured in 95-100 DAT. Recommended for growing on Kharif season to all over the country & Yield 20-22 t/ha.

		T O ₂ - Arka Niketan- Bulbs are globular with thin neck. Attractive colour, plant matured 145 DAT average yield 34 ton/ha.
9.	Process of farmers participation and their reaction	Farmers are appreciated

Table:3

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
		Bulb dia meter (cm)	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	1	5.6	-	-	-	184.3	1,20,000	1,84,300	64,300	1.5
TO-1		7.1	-	-	-	209.7	1,20,000	2,09,700	89,000	1.7
TO-2		7.49	-	-	-	243.9	1,20,000	2,43,900	1,23,900	2.0

OFT-4

1.	Title of On farm Trial	Assessment of Application of growth regulator in chilli.
2.	Problem diagnosed	Low yield due to heavy flowers fruit drop
3.	Details of technologies selected for assessment/refinement	Assessment
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TNAU-2015
5.	Production system and thematic area	Upland Irrigated Vegetable-Vegetable
6.	Performance of the Technology with performance indicators	Cost of Intervention, Additional income over Additional investment, Yield (q/ha), B:C ratio
7.	Final recommendation for micro level situation	TO1- Spray of NAA @10 PPM at flowing and 20 days after flowering TO2- Spray Triocontanol @ 1.25 ml/lit at 20,40,60 and 80 days of planting. Spray

		NAA @ 10 PPM (10 mg/lit of water) on 60 and 90 days after planting to increase fruit set.
8.	Constraints identified and feedback for research	Foliar application of growth regulator reduce flower and fruit drop and increase yield.
9.	Process of farmers participation and their reaction	Farmers are appreciated

Table:4

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 panicles/ Hills	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	1									
TO-1					Continuing.....					
TO-2										

OFT-5

1.	Title of On farm Trial	Assessment of novel insecticides for management of rice stem borer.
2.	Problem diagnosed	Severe infestation of rice stem borer during nursery and transplanting stage.
3.	Details of technologies selected for assessment/refinement	Assessment
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP,Chiplima, SLREC Proceeding-2018
5.	Production system and thematic area	Low land irrigated, Rice –Rice cropping pattern

OFT-6

1.	Title of On farm Trial	Assessment of Efficacy of novel fungicides against purple blotch in Onion in upland irrigated during Rabi season.
2.	Problem diagnosed	Reduced bulb size due to high incidence of purple blotch in Rabi Onion
3.	Details of technologies selected for assessment/refinement	Assessment
4.	Source of Technology (ICAR/AICRP/SAU/other, please specify)	RRTTS, Bhawanipatna-2017-18
5.	Production system and thematic area	Upland irrigated
6.	Performance of the Technology with performance indicators	Cost of Intervention, Additional Income over additional Investment Yield(q/ha). B:C Ratio and farmer feedback.
7.	Final recommendation for micro level situation	TO1- Seed treatment with Vitavax power @ 0.2 % along with foliar application of Tebuconazol 25 EC @ 1 ML /Lit TO2- Seed treatment with Vitavax power @ 0.2 % along with foliar application of Azoxystrobin 23 SC @ 1 ML/Lit
8.	Constraints identified and feedback for research	Seed treatment with Vitavax power protect the crop from early stage of crop growth & foliar spray of novel fungicides effectively reduced the cost of production due to indiscriminate use of pesticides.
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 panicles/ Hills	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	1									
TO-1		Continuing.....								
TO-2										

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.	Pigeonpea	INM	Application of NPK @ 25:50:50 kg/ha with rhizobium @ 20g/kg seed as seed inoculum + below seed zone application of PSB @ 5kg/ha and lime 0.2 LR	1.0	1.0	-	-	-	-	10	-	10	-	10	-
2.	Paddy	Varietal Evaluation	TO 1- Hasanta (OR-2328-5) suitable for rainfed /irrigated shallow low land, 145 days duration,	1.0	1.0	-	-	-	-	10	-	10	-	10	-

			Avg.yield: 3.9 t/ha tolerant to BPH, WBPH, Blast, Leaf folder												
3.	Greengram	IWM	Pre-emergence application of pendimethalin @ 1kg /ha fb Imazethapyr @ 75g/ha inhibits important perennial and annual species of grasses,broadleaf and sedges.	1.0	1.0	-	-	-	-	10	-	10	-	10	-
4.	Hybrid Maize.	INM	Application of Boron 0.5 kg/ha and Zinc -2.5 kg/ha, supplementation to a Soil test based fertilizer NPK increased higher yield of maize by 20%.	1.0	1.0	-	-	-	-	10	-	10	-	10	-
5.	Okra	IWM	Pre-emergence application of pendimethalin @ 6 ml/L + one hand weeding was found effective for maximum fruit yield (122.46q/ha) and lowest weed count after 20 DAS, 40 DAS & 60 DAS with B:C ratio 1.49 in Okra.	1.0	1.0	-	-	-	-	10	-	10	-	10	-
6.	Brinjal	INM	Application of N-125 kg, P-50 kg, K-50 kg/ha, 5 kg of Azospirillum & PSB each and	1.0	1.0	-	-	-	-	10	-	10	-	10	-

			Foliar application of Boron @ 2gm/lit of water												
7.	Onion	IWM	Pre – emergence application of Pendimethalin @ 0.2 % or oxyflurofen + one hand weeding at 40 to 60 DAT is best in reducing cost of cultivation and increasing yield.	1.0	1.0	-	-	-	-	10	-	10	-	10	-
8.	Tomato	Varietal Evaluation	Arka Rakshak First F1 hybrid with triple disease resistant to ToLCV, BW and early blight. Fruits square round, large(90-100g),deep red coloured and firm.Suitable for fresh market and processing.Yield: 75-80 t/ha. in 140 days. Seed 100g/ha. Transplanting at a spacing of 90*60 cm.	1.0	1.0	-	-	-	-	10	-	10	-	10	-
9.	Chilli	IPM	Seed treatment with Imidacloprid 600 FS@ 5 gm/kg followed by spraying Spiromecifen 22.9 SC @ 1.5 MI/4 lit exhibit lowest population of mites/leaf & comparatively lower number of thrips and fruits borers	1.0	1.0	-	-	-	-	10	-	10	-	10	-

10.	Brinjal	IPM	Foliar spraying of Flubendiamide 480 SC @ 78.70 g ai/ha and Rynaxypyr 20 SC @ 33.33 ai/ha are effective in controlling shoot and fruit borer of Brinjal with highest marketable fruit yield.	1.0	1.0	-	-	-	-	10	-	10	-	10	-
11.	Pumpkin	IDM	Seed treatment helps to reduce the mortality of seedlings & scheduled spraying of different fungicide after germination helps to manage fungal disease complex.	1.0	1.0	-	-	-	-	10	-	10	-	10	-
12.	Maize	IPM	Application of Neem based pesticides with bioagents & ovicidal effect of profenophos & preventing dusting of chloropyriphus prevent severe infestation of fall army worm & increase marketable yield of hybrid rice	1.0	1.0	-	-	-	-	10	-	10	-	10	-

Details of farming situation: NA

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P ₂ O ₅	K ₂ O					

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

Performance of FLD

Oilseeds: NA

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

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.)			
					Demons ration	Check		Demons ration	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.)			
					Demons ration	Check		Demons ration	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					

Technical Feedback on the demonstrated technologies: NA

Sl. No	Crop	Feed Back

Extension and Training activities under FLD: NA

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 2020 and Rabi 2020-21:

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	Greengram	Jhainmoog	6.7	503	476	1204	<ul style="list-style-type: none"> ➤ Use of HYV(IPM-02-14) Seed treatment with carboxin+ thiram; Application of herbicides(pendimethalin 2.5 lit/ha ➤ Application of Imidacloprid @0.4 ml/lit , trizaphos 	25	10	7.5	5.7	6.7	1.63	1.90	5.7

							2ml/lit control sucking pest attack										
--	--	--	--	--	--	--	-------------------------------------	--	--	--	--	--	--	--	--	--	--

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	<ul style="list-style-type: none"> ➤ Use of HYV(IPM-02-14)Seed treatment with carboxin+ thiram; Application of herbicides(pendimethalin 2.5 lit/ha ➤ Application of Imidacloprid @0.4 ml/lit , trizaphos 2ml/lit control sucking pest attack 	25500	36500	11000	1.4	20000	42800	22800	2.1

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	Greengram (IPM-02-14)	670	500	70	70	100	sold as seed	household expenditure

D. 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	<ul style="list-style-type: none"> ➤ Use of HYV(IPM-02-14)Seed treatment with carboxin+ thiram; Application of herbicides(pendimethalin 2.5 lit/ha Application of Imidacloprid @0.4 ml/lit, trizaphos 2ml/lit water control sucking pest attack 	suitability to their farming system	preferred	85%	Nil	Yes	No

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
HYV Greengram (IPM-02-14) released on 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

F. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	F/FW training on Awareness on importance of Pulse (Greengram) cultivation.	20.12.2020	25
2	Awareness pogramme on Seed treatment with Rhizobium	5.01.2021	25
3.	Field day (greengram)	15.03.2021	25

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



Vegetative Stage



Pod Filling Stag

H. Farmers' training photographs



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



Seed distribution



Rhizobium Treatment



Pre-emergence herbicide Application



Soil testing & testing of samples.

11. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Greengram (pulse)	i) Critical input	82,584/-	82,584/-	Nil
	ii) TA/DA/POL etc. for monitoring	3360/-	3360/-	Nil
	iii) Extension Activities (Field day)	2856	2856/-	Nil
	iv)Publication of literature	-	-	-
	Total	88800/-	88800/-	Nil

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													
Scientific method of paddy cultivation and different methods of weed management	1	18	-	18	3	-	3	4	-	4	25	-	25
Importance of Integrated farming system in doubling farmer income	1	21	-	21	2	-	2	2	-	2	25	-	25
Importance of growing of pulse crop for alleviating pulse deficit in odisha	1	21	-	21	4	-	4	-	-	-	25	-	25
Management of Parasitic weeds such as cuscutta in Pigeon pea , a major problem at boudh district	1	19	-	19	2	-	2	4	-	4	25	-	25
Soil Testing and management of soil Health	1	19	-	19	2	-	2	4	-	4	25	-	25
Use of Bio-fertilizers for sustainable food production and in increasing soil fertility.	1	17	-	17	3	-	3	5	-	5	25	-	25
II. Horticulture													
a) Vegetable Crops													
INM in brinjal	1	17	-	17	3	-	3	5	-	5	25	-	25
Training on physiological disorder of tomato	1	21	-	21	2	-	2	2	-	2	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			
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI. Agril. Extension Education													
Stress management & enhancing work efficiency in agriculture	1	19	-	19	2	-	2	4	-	4	25	-	25
Staggered planting methods in tomato to avoid glut in market	1	17	-	17	3	-	3	5	-	5	25	-	25
Soil sampling methods & nutrient management	1	21	-	21	2	-	2	2	-	2	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			
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	20	369	-	369	54	-	54	77	-	77	500	-	500

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			
Integrated Nutrient Management and its importance in Sustainable Agriculture	02	9	-	9	3	-	3	3	-	3	15	-	15
Protected cultivation of vegetables	02	9	-	9	3	-	3	3	-	3	15	-	15
Post harvest management of vegetables	02	9	-	9	2	-	2	4	-	4	15	-	15
Safe use of pesticide, method of spraying & spraying techniques	02	10	-	10	1	-	1	4	-	4	15	-	15
Production techniques of paddy straw and oyster mushroom production	02	11	-	11	1	-	1	3	-	3	15	-	15
Income generation through understanding of	02	9	-	9	2	-	2	4	-	4	15	-	15

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
marketing strategy and marketing channel													
Post harvest management and its value addition of oyster mushroom	02	9	-	9	3	-	3	3	-	3	15	-	15
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													
Enterprise development													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
TOTAL	14	66	-	66	15	-	15	24	-	24	105	-	105

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
Organic Farming –Vermi-wash –A Potential Liquid Bio-fertilizer	01	11	-	11	1	-	1	3	-	3	15	-	15
Physiological disorder in fruits crops	01	12	-	12	1	-	1	2	-	2	15	-	15
Production of low volume and high value crops	01	10	-	10	1	-	1	4	-	4	15	-	15
Identification of insect pest & diseases of major crops of Boudh district & its management practices	01	11	-	11	1	-	1	3	-	3	15	-	15
Bee keeping	01	12	-	12	1	-	1	2	-	2	15	-	15
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
TOTAL	5	56	-	56	5	-	5	14	-	14	75	-	75

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													
Safety and precaution for herbicide uses.	1	19	-	19	2	-	2	4	-	4	25	-	25
Weed Management in pulses and oilseed crops.	1	19	-	19	2	-	2	4	-	4	25	-	25
Importance and Package and practices of millet crop-Ragi	1	17	-	17	3	-	3	5	-	5	25	-	25
Package & practices of Rabi oilseed crop-mustard	1	21	-	21	2	-	2	2	-	2	25	-	25
Package and practices for cultivation of sweet corn and its market value	1	16	-	16	4	-	4	5	-	5	25	-	25
Micro-irrigation & Fertigation	1	19	-	19	2	-	2	4	-	4	25	-	25
Agricultural waste/Stubble management alternative to	1	19	-	19	2	-	2	4	-	4	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			
Women and child care													
Others, if any													
TOTAL													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL													
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													

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	PRG-176	4.0	14,500	2	4	19	25
Dhanicha	TL	1.0	3,200	1	2	6	9
Grand Total	-	5.0	17,700	3	6	25	34

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							
Onion Seedling	Bhima Super Arka Niketan	2,60,000 Nos Seedling	13,000	7	12	53	72
Brinjal	Niranjan	3,225	8,062	1	4	13	18
Cabbage	Harekrishna	2,500	6,250	1	2	14	17
Tomato	Arka Rakshyak	20,700	51,700	3	6	22	31
Cauliflower	Megha	3,600	9,000	2	5	22	29
Chilli	Suryamukhi	2,625	6,563	2	4	27	33
Others							
Fruits							
Mango							
Guava							
Lime							
Papaya	Red Lady	200	8,000	1	4	13	18
Banana	Champa	1.10 qtls	33,000	3	6	22	31
Others							
Ornamental plants							
Medicinal and Aromatic							
Plantation							
Spices							
Turmeric							
Tuber							
Elephant yams	Gajendra	1.20 qtls	4,800	1	4	13	18
Fodder crop saplings							
Forest Species							
Others, pl.specify							
Total							

Production of Bio- product by KVKs

Bio-product	Name of the Bio-product	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	
Bio-fertilisers		A&N Islands				Odisha				West bengal				Total				
Total																		
others																		
Vermiculture																		
Mushroom-spawn							1200 Btls	18,000	27	1200 Btls								
Cuelure																		
Mineral mixture																		
Cow dung(dry)																		
Cow dung(wet)																		
Total																		
Grand Total																		

Production of livestock materials: NA

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	ST	Other	Total
Dairy animals							
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							
Small ruminants							
Sheep							
Goat							
Other, please specify							
Poultry							
Broilers							
Layers							

Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Hog				
Others (Pl. specify)				
Fisheries				
Indian carp				
Exotic carp				
Mixed carp				
Fish fingerlings				
Spawn				
Others (Pl. specify)				
Grand Total				

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

i) Name of Seed Hub Centre:

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

ii) Details of Quality Seed Production : NA

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2020						

Rabi 2020-21						
Summer/Spring 2021						

iii) Financial Progress

Fund received (2016-17, 2017-18 2018-19 and 2019-20)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17				
2017-18				
2018-19				
2019-20				

iv) Infrastructure Development: NA

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper	-	-	-	-
Seminar/conference/ symposia papers	-	-	07	3500
Books	-	-	-	-
Bulletins	-	-	-	-
News letter	-	-	04	Mass

Popular Articles	-	-	-	-
Book Chapter	-	-	04	15
Extension Pamphlets/ literature	-	-	06	30
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: NA

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

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

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

3.8. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year : 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	Mridaparikhshaka	01
2	Distillation system	01
3	Digestion system	01
4	Acid neutralization scrubber	01

5	Digestion tube	01
6	Precision balance	01
7	Digital balance	01
8	Magnetic stirrer	01
9	Rectangular hot plate	01
10	Bouycous hydrometer	01
11	Flame photometer	01
12	Spectrophotometer	01
13	Double distillation unit	01
14	Distillation apparatus power supply	01
15	Rotary shaker	01
16	PH,EF,TDS combined meter	01
17	Digital soil moisture meter	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	20	120	500	14	-

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	World Soil Day	210	18	Sj. Lalatendu Mishra, Collector cum District Magistrate 2. Smt. Joshna Rani Bhoi, President Zilla Parishada	100	150

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)

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
7.7.2020	Dr. L.M.Garanayak, Dean Extn. Education,OUAT,BBSR Dr. M.P.Nayak, JD. Extn. Education, OUAT,BBSR	Mandatory Visit
17.9.2020	Sri Kaushyagati Bhoi, DSWO,Boudh Sri Ramachandra Nayak, CDAO, Boudh	Inauguration of POSHAN MAAH
9.11.2020	Sri Narayana Mahananda, DAO,Boudh	POSHAN MAAH Awareness Programme
13.11.2020	Sj. Debudutta Mishra , DPC,BBSR	Mission Sakti Programme
24.11.2020	Sri Ramachandra Nayak, CDAO,Boudh Sri Jogendra Mahapatra, ADH,Boudh Sri Manas Bhuiyan, DFO,Boudh	Mandatory Visit
17.12.2020	Sri Ramachadra Nayak, CDAO,Boudh Dr. Sumit Mishra, Jt. Director Rice Development Govt.of India Dr. Amit Kumar Mishra, Technical Asst. DRD Patna	National Level Monitoring team visit to KVK, Boudh
13.1.2021	Sri Sarada Prasad Mishra, CDAO,Boudh	Attended Convergence Workshop of

	Sri Ramachadra Nayak , CDAO,Boudh Sri Jogendranath Mohapatra, ADH,Boudh Sri Rabindra Ku. Sethy, LDM,Boudh Sri Lakshyapati Bhoi, DSWO,Boudh Sri Manas Bhuiyan, DFO,Boudh Sri Debadutt Mishra, DPC,Boudh	Mission Sakti Programme on Vermicompost Production at KVK
27.1.2021	Dr. Bishnu Prasad Behera, Nodal Officer, BBSR	Mandatory Visit
4.3.2021	Sri Sarada Prasad Mishra, CDAO,Boudh Sri Ramachadra Nayak , CDAO,Boudh Sri Jogendranath Mohapatra, ADH,Boudh Sri Rabindra Ku. Sethy, LDM,Boudh Sri Lakshyapati Bhoi, DSWO,Boudh Sri Manas Bhuiyan, DFO,Boudh Sri Debadutt Mishra, DPC,Boudh	Attended Convergence Workshop of Mission Sakti Programme on Nursery Raising of vegetables at KVK

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

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Collectorate	<ul style="list-style-type: none"> ➤ Grievance Day meeting ➤ Agril. Production meeting

	<ul style="list-style-type: none"> ➤ Periodical technical/consultative meeting ➤ Awareness campaign
Agriculture Deptt.	<ul style="list-style-type: none"> ➤ Assessing the training needs of farmers in areas of crop improvement, production, protection & mechanization ➤ Mid monthly or monthly DLREI Meeting ➤ Field day ➤ Off campus training programme ➤ Farm advisory service ➤ Meeting regarding seed production ➤ ATMA implementation ➤ For arranging inservice training programme & extension activities under ATMA, NFS Scheme. ➤ Resource person for mission shakti training programme ➤ Joint diagnostic visit to field ➤ SAC Members/meeting ➤ Farmers scientist interaction programme
Horticulture Deptt.	<ul style="list-style-type: none"> ➤ Assessing the training needs of farmers in areas of crop improvement, production, protection & mechanization ➤ Off campus training programme ➤ Seedling supply demonstration ➤ NHM training Programme ➤ Resource person for Mission Shakti Training programme ➤ Joint diagnostic visit to affected fields ➤ SAC Meeting
OUAT	<ul style="list-style-type: none"> ➤ For technical guidance and arranging extension activities & different training programmes, ➤ arrangement of RAWE programme for students
Higher Secondary School	<ul style="list-style-type: none"> ➤ Awareness campaign ➤ Special day celebration (Agriculture Education Day) ➤ Swachhata Activities
NGOs	<ul style="list-style-type: none"> ➤ Awareness campaign ➤ Training programme ➤ Demonstration ➤ SAC Meeting
Watershed & soil conservation deptt.	<ul style="list-style-type: none"> ➤ Awareness for planting & bunel develops water harvesting structure devp. & demonstration ➤ Resource persons for KVK training programme & other extension programme ➤ SAC Meeting
NABARD	<ul style="list-style-type: none"> ➤ Farmers group discussion ➤ Training to farmers
ATMA	<ul style="list-style-type: none"> ➤ Providing skill based training & demonstration
KVK Sonapur	<ul style="list-style-type: none"> ➤ Input Purchase (Supply of Kadaknath chicks)

2									
3									
4									
5									
6									
Total									

6.2. Performance of Instructional Farm (Crops) : NA

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	

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

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

6.4 Performance of instructional farm (livestock and fisheries production) : NA

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

2.							
3.							

6.5 Utilization of hostel facilities

Accommodation available (No. of beds)

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

(For whole of the year)

6.6 Utilization of staff quarters

Whether staff quarters has been completed:

No. of staff quarters:

Date of completion:

Occupancy details:

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

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): NA

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st April 2021
	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 1 st April 2021
	Kharif	Rabi	Kharif	Rabi	
Greengram (IPM-02-14)	-	88,800/-	-	88,800/-	Nil

2019.5. Utilization of KVK funds during the year 2020-21 (Not audited): NA

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances			
2	Traveling allowances			
3	Contingencies			
A				
B				
C				
D				
E				
F				
G				
H				
I				
J	Swachhta Expenditure			
TOTAL (A)				

Sl. No.	Particulars	Sanctioned	Released	Expenditure
B. Non-Recurring Contingencies				
1				
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2015-16				
2016-17				
2017-18				
2018-19				
2019-20				

- 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: NA

Name of activity	Number of activity	Season	With line department	With ATMA	With both

8. Other information: NA

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

Type of message	No. of messages	No. of farmers covered
Crop	36	32508
Livestock	-	
Fishery	-	
Weather	3	32508
Marketing	1	32508
Awareness	8	32508
Training information	-	

Other	-	
Total	48	32508

9.3. KVK Portal and Mobile App:

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	2345
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	19

9.4. 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		

9.5. Observation of National Science day: NA

Date of Observation	Activities undertaken

9.6. Programme with Seema Suraksha Bal/ BSF: NA

Title of Programme	Date	No. of participants

9.7. Agriculture Knowledge in rural school: NA

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

Give good quality 1-2 photograph(s)

9.8. 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		

9.9. Details of Swachhta Hi Sewa programme organized : NA

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

9.10. 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	Mahila Kisan Divas	03	75	-	-

9.11. No. of Progressive/ Innovative/ Lead farmer identified (category wise): NA

Sl.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise

No.			

9.12. Revenue generation: NA

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

9.13. Resource Generation: NA

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

9.14. 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

9.15. 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: NA

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

Programmes	Physical achievements
Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	
On-farm trials (Number)	
Frontline demonstrations (Number)	
Farmers training (in lakh)	
Extension personnel training (in lakh)	

Participants in extension activities (in lakh)	
Seed production (in tonnes)	
Planting material production (in lakh)	
Livestock strains and fingerlings production (in lakh)	
Soil, water, plant, manures samples testing (in lakh)	
Provision of mobile agro – advisory to farmers (in lakh)	
No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	

b. Fund received under TSP in 2020-21 (Rs. In lakh): NA

c. (i) Achievements of physical outcome under TSP during 2020-21

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	

(ii) Table:

<i>Sl. No.</i>	<i>Description</i>	<i>Unit</i>	<i>Achievements</i>
1	Number of Technologies Identified after Assessment	Number	
2	Upgraded Skills and Knowledge of farmers	Number	
3	Oriented extension personnel in frontier areas of agricultural technology	Number	
4	Increased availability of quality seed	Quintal	
5	Increased availability of quality Planting material	Number	
6	Increased availability of live-stock strains and fingerlings	Number	
7	Testing of Soil & water samples for balance fertilizer use	Number	

d. Location and Beneficiary Details during 2020-21 : NA

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

12. Schedule caste Output & Outcome achievements: NA

Sl. No.	Indicator/Activities	Unit of Indicator	Achievements
1	Farmers, farm women trained by KVKs	Number	
2	Extension personnel trained by KVKs	Number	
3	On-farm trials conducted by KVKs	Number	
4	Frontline demonstrations conducted by KVKs	Number	
5	Quantity of seeds produced	Quintal	
6	Planting materials Produced	Number	
7	Livestock strains and fingerlings produced	Number	
8	Soil & water samples tested	Number	

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	
	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	

25. Nutri-garden : NA

Sl.no.	Name of KVK	Established in KVK Campus	No. of nutria-garden established in the village	Major vegetables production

Please provide one or two good quality photographs

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

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

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

28. SC SP quarter-wise : NA

Table-I: Schedule Caste Output & Outcome Achievement/Indicators for 2020-21 (QUARTER-WISE)

Physical Output 2020-2021

Sl. No.	Indicator/Activities	Unit of Indicator	Quarterly Breakup (Target)	Targets Achieved	No. of Beneficiaries	Outcome
1	Farmers, farm women trained by KVKs	Number	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	
2	Extension personnel trained by KVKs	Number	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	
3	On-farm trials conducted by KVKs	Number	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	
4	Frontline demonstrations conducted by KVKs	Number	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	
5	Quantity of seeds produced	Quintal	Q-1 Q-2	Q-1 Q-2	Q-1 Q-2	

Sl. No.	Indicator/Activities	Unit of Indicator	Quarterly Breakup (Target)	Targets Achieved	No. of Beneficiaries	Outcome
			Q-3 Q-4	Q-3 Q-4	Q-3 Q-4	
6	Planting materials Produced	Number	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	
7	Livestock strains and fingerlings produced	Number	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	
8	Soil & water samples tested	Number	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	