

ANNUAL REPORT 2021

**KRISHI VIGYAN KENDRA
MAYURBHANJ-1,
SHAMAKHUNTA, ODISHA**



ANNUAL REPORT2021 (January-December 2021) OF KVK MAYURBHANJ-1

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
KVK Mayurbhanj-I , At/Po-Shamakhunta, Mayurbhanj Odisha, Pin-757049	91-8480276519	-	kvkmayurbhanj1.ouat@gmail.com/ kvkmayurbhanj-od@nic.gov.in

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

Address	Telephone		E mail
	Office	FAX	
Odisha University of Agriculture & Technology, At/Po-Bhubaneswar – 751 003	0674-2392677	0674-2397780	vc@ouat.nic.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Sanghamitra Pattnaik	91-9437147934	9437147934	dipapattnaik@gmail.com

1.4. Year of sanction of KVK: 2005

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	Dr. S. Pattnaik	Sr. Scientist & Head	Horticulture	15600-39100 & GP-8000 & 38440	12.11.2015	Permanent	General
2	Subject Matter Specialist	Mr. B. Samantaray	Scientist(Fishery Science)	Fishery Science	15600-39100 & GP-6000 & 33730	12.01.2006	Permanent	General
3	Subject Matter Specialist	Mrs. J. Bhuyan	Scientist (Home Science)	Home Science	15600-39100 & GP-6000 & 29950	23.10.2009	Permanent	OBC
4	Subject Matter Specialist	Dr. Plabita Roy,	SMS	Agronomy	15600-39100 & GP-5400 & 22280	14.05.2018	Permanent	General
5	Subject Matter Specialist	Mr. Debasis Jayapurua	SMS	Ag. Extension	15600-39100 & GP-5400 & 22280	20.07.2018	Permanent	General
6	Subject Matter Specialist	Vacant	Scientist 5					
7	Subject Matter Specialist	Vacant	Scientist 6					
8	Programme Assistant	Vacant	Programme Assistant					
9	Computer Programmer	Mr. J. K. Biswal	Programme Assistant (Computer)	Computer Science	9300-34800 & GP-4200 & 21100	30.01.2006	Permanent	General
10	Farm Manager	Mr. Anshuman D.Nayak	Farm Manager	Seed Science & Technology	9300-34800 & GP-4200 & 14330	31.01.2019	Permanent	General
11	Accountant / Superintendent	Vacant	Accountant / superintendent					
12	Stenographer	Mr. R.N.Pati	Jr. Steno-cum-Computer Operator	-	5200-20200 & GP-2400 & 11560	16.10.2006	Permanent	General
13.	Driver	Mr. P.K.Biswal	Driver-cum-Mechanic	-	5200-20200 & GP-1900 & 10480	25.07.2007	Permanent	OBC
14.	Driver	Mr. B.K.Behera	Driver-cum-Mechanic	-	5200-20200 & GP-1900 & 9870	18.07.2008	Permanent	OBC
15.	Supporting staff	Mr. D.Swain	Peon-cum-Watchman	-	4440-7440 & GP-1500 & 9260	20.12.2007	Permanent	OBC
16.	Supporting staff	Mr. P.Martha	Peon-cum-Watchman	-	4440-7440 & GP-1500 & 9260	20.12.2007	Permanent	OBC

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1.	Under Buildings	5.0
2.	Under Demonstration Units	3.0
3.	Under Crops	14.0
4.	Orchard/Agro-forestry	-
5.	Others with details	1.517
	Total	23.517

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	754	Use	ICAR
2.	Farmers Hostel					Yes	304.7	Use	ICAR
3.	Staff Quarters (6)					Damaged			
4.	Piggery unit								
5.	Fencing					Yes	350 mts	Use	RKVY
6.	Rain Water harvesting structure								
7.	Threshing floor					Yes	44.6	Use	ICAR
8.	Farm godown								
9.	Dairy unit								
10.	Poultry unit					Yes	92.9	Use	DRDA ,Baripada
11.	Goatary unit								
12.	Mushroom Lab					Yes		Use	RKVY
13.	Mushroom production unit								
14.	Shade house								
15.	Soil test Lab								
16.	Others, Please Specify (seed processing plant-Cum-Seed Store Building)					Yes		Use	ICAR

* 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
Office Jeep	2017	8,00,000	74680(As on 31.01.2022)	Good
Tractor	2019	8,50,000	310hrs	Good
Motor bike	2010	50000	21780	Good

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Soil & Water Lab Equipment	2015	1700000	Good	ICAR
Soil Test Kit	2017	90300	Good	ICAR
b. Farm machinery				
Paddle winnower	2006	2415	Good	ICAR
Paddy thresher	2006	3275	Good	ICAR
Power sprayer	2007	5434	Good	ICAR
Rotavator	2006	64335	Good	ICAR
Cono weeder	2006	1204	Good	ICAR
Walk behind 4row rice transplanter	2017	239000	Good	ICAR
Rotavator- '4'	2017	88970	Good	ICAR
Zero Till Seed Drill-11 row	2017	81819	Good	ICAR
c.AV Aids				
Conference System	2017	81115	Good	ICAR
Projector	2017	38858	Good	ICAR
Camera	2016	22751	Good	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Horticultural tools	2008	4909	Good	ICAR
Wheel finger weeder	2008	800	Good	ICAR
Cono weeder	2008	1204	Good	ICAR
Pre germinated paddy Drum seeder	2008	2520	Good	ICAR
Power Weeder	2017	8580	Good	ICAR
Battery Operated Sprayer	2017	4200	Good	ICAR

Fertilizer Broad caster	2018	4480	Good	ICAR
Sprayer	2018	3094	Good	ICAR
Seed Treating drum	2018	3445	Good	ICAR
Parboiling Unit	2018	5060	Good	ICAR
4-Row Drum seeder	2018	4675	Good	ICAR
Pedal Paddy Thresher	2018	6225	Good	ICAR
Cono weeder	2018	1710	Good	ICAR
Mandwa Weeder	2018	1080	Good	ICAR

1.8. Details SAC meeting* conducted in the year

Sl.No.	Date	Number of Participant	Salient Recommendations	Action taken	If not conducted, state reason
1.	22.01.2021	35	More number of villages to be covered focusing on the tribal farmers under KVK programme	Apart from 16 adopted villages, 5 more Tribal dominated villages (Jualirama, Jambani, Chandanpur, Orachandabilla, Hatikote) have been covered under convergence programme during 2020-21.	
			More number of Skilled training programmes focusing on income generating agricultural ventures in order to develop more number of agri-entrepreneurs under KVK programme	KVK conducted 3(Three) numbers of skill training programme on mushroom cultivation involving 61 participants covering 34 villages in 9 blocks of the district. 24 farmers have adopted it in entrepreneurship mode and sustained their family during such COVID Pandemic period. one five day skill training programme on preparation of value added products from Sabai have been imparted involving 17 numbers of participants covering 8 villages under Shyamakhunta and Baripada blocks & 12 farmers engaged in preparing different sabai value added products. KVK imparted one skill training programme on various methods of compost preparation involving 15nos of beneficiaries out of which 4nos of trainees have adopted it in entrepreneurship mode.	
			More number of training programs on off season vegetable cultivation to be imparted	Looking to the irrigated areas both in kharif (32.85%) & Rabi (77.05%) of the district, KVK focused on off-season vegetable cultivation. 3 awareness programmes and 2 training programmes involving 140 numbers of farmers & farm women conducted. One Vegetable cluster in an area of 100 acres developed at Aniapal village of Kuliana block tied up with Mayurbhanj Fruits & vegetables Producers company.	

			TSP programme on livestock activity in cluster approach	Encouraging Backyard Poultry & in its focused TSP programme 2220 Rainbow Rooster poultry chicks supplied to 22 groups in 15 villages under 6 blocks:- (Shamakhunata, Khunta, Udala, Kaptipada, Sarasakana.Suliapada)	
			Posting of Scientist and supporting staffs in soil science discipline for smooth running of KVK activities	The matter has been intimated to higher authorities for posting of a scientist in soil science discipline.	
			Backyard poultry should be encouraged among tribal farmers through different training and awareness programs	KVK is popularizing Backyard Poultry among Tribal dominated villages by supplying chicks in cluster approach. Two training programmes and two awareness programmes have been organized involving 115 farmers and farm women in 7 villages under 3 blocks.	
			An OFT to be conducted on broader spectrum on cultivation of hybrid papaya for maximizing yield	Conducted one OFT programme focusing on nutrient management aspect in Hybrid Gynodioecious Papaya <i>Red Lady</i> in 7 different locations under 5 blocks of the district resulting yield of 341 & 378 q/ha in tested technologies of TO1 & TO2 respectively as against FP of 275 q/ha	
			KVK to give emphasis on seasonal ponds, diversification of species (Amur Carp)	As per suggestion of DFO, Mayurbhanj fingerling production of Amur carp and Tilapia will be carried out during Kharif 2022.	
			More number of skill training programs on mushroom cultivation should be undertaken	Three(3) skill training programmes have been conducted involving 61 participants covering 34 villages in 9 blocks (Bangriposi, Baripada, Sarasakana, Shamakhunta, Badsahi, Suliapada and Betnoti)	
			An OFT must be conducted on popularizing Protein rich rice varieties to ensure nutritional security to tribal farmers of Mayurbhanj	Conducted one OFT programme on Assessment of biofortified Rice varieties CR Dhan 311(Protein 10.1%) & CR Dhan315(Zinc-24.9 ppm) in 7 different locations under 7 blocks covering in an area of 0.4 ha resulted yield of 43.3 & 41.2 q/ha in TO1 & TO2 respectively as compared to check of Lalat 38.44 q/ha. Samples of tested varieties have been sent to NRRI, Cuttack for testing of protein(%) & Zinc content.	
			Popularization of Triple disease resistant Tomato hybrids among the farmers	One FLD has been conducted on <i>Arka Rakshak</i> involving 10 of farmers in 9 villages of 2 blocks of the district resulted 441q/ha in demonstrated technology with an increase in yield of 33% as local of	

			through demonstration with the help of Department of Horticulture	330q/ha. One Field day has been conducted at village Dubkusahi of Shamakhunta block involving 32 farmers. Demonstration Programme on Tomato hybrid <i>Arka Samrat</i> is continuing in an area of 1ha involving 10 beneficiaries in different locations under 6 blocks in Farmers field .	
			Weed management in important cereals and pulses grown in Mayurbhanj district	Conducted demonstration on Integrated Weed Management in Rice involving 10 farmers under 7 villages in an area of 1ha reported yield increase of 26.12% as compared to farmers practice. One demonstration programme has been taken up on Imazethapyr application in Arhar involving 10 beneficiaries under 4 blocks of the district reported yield increase of 24.6% as compared to farmers practice. Conducted 2 Field day programmes involving 75 farmers & Govt. officials.	
			Popularization of Nutritional Garden for Improving Nutritional Security of farm family	Papaya based Nutritional garden has been promoted with supply of 1,35,200 QPM through the focused TSP programme in cluster approach to 13 groups involving 130 beneficiaries. One demonstration programme on Kitchen garden has been conducted in 8 villages in 6 blocks and two(2) training programmes imparted involving 25 ICDS Supervisors & 25 farm women. A Field Day on Nutritional garden was conducted in Kadalibadia village involving 30 participants. Looking at the return of the migrant labourers to the district, KVK supplied UV stabilized polythene to 4 groups for QPM production, from which 1 group namely Bhagyajyoti SHG supplied 10,000 QPM to the farmers & around 40 nutritional gardens have been established in Backyard.	
			Demonstration of mini dal mill to different SHG groups for drudgery reduction of farm women	10 SHGs from 7 villages have been selected in KVK pulse seed hub areas & mini dal mill will be demonstrated in this season.	

* *Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

2.a. District level data on agriculture, livestock and farming situation (2021)

Sl. no.	Item	Information
1	Major Farming system/enterprise	Paddy, Paddy -Ground nut ,Paddy – Green gram, Animal Husbandry , Paddy + Animal Husbandry,Paddy - Vegetable, Paddy + Pisciculture
2	Agro-climatic Zone	North Central Plateau
3	Agro ecological situation	AES – I(Low Rainfall, Low Elevation, Blocks (Five) : Tiring, Rirangpur, Rasgovindpur, Bahalda,

Sl. no.	Item	Information
		Shuliapada), AES – II (Low Elevation, Medium Rainfall ,Blocks (Fifteen): Baripada, Badasahi, Shamakhunta, Khunta, GB Nagar, Betonati, Moroda, Kuliana, Bangiriposi, Udala, Saraskana, Kusumi, Bishoi, Bijatota, Jamuda) , AES – III(Low Elevation, High Rainfall,Blocks (One): Kaptipada) , AES – IV(Medium Elevation, Medium Rainfall ,Blocks (Five):Karanjia, Sukruli, Jashipur, Raruan, Thakurmunda)
4	Soil type	Mixed Red & Yellow
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Paddy-32.04q/ha, Green gram-6.21q/ha, Black gram-5.98q/ha, G.nut-13.80q/ha & Maize-30.90
6	Mean yearly temperature, rainfall, humidity of the district	Max. 41 ⁰ C ; Min. 40 ⁰ C, 1600 mm in 77 rainy day
7	Production of major livestock products like milk, egg, meat etc.	Milk-2,71666liters/day, Egg-94693nos/day, Meat 93667kg/day

Note: Please give recent data only

2.b. Details of operational area / villages (2021)

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	Shamakhunta	Shamakhunta	Ambdubi	Rice,Groundnut, Black gram, Vegetable, Poultry, Goatery	•Distress sale of vegetable during Rabi •Crop loss due to cyclone, hailstorm and/or heavy rain during harvesting stage of pulses	<ul style="list-style-type: none"> • Nutrient management in direct seeded rice • Off season vegetable cultivation • Stocking of advanced fingerling in community pond management • Intercropping minor carp to increase fish production • Providing food and nutritional security, income to women and tribal communities through secondary agriculture •
2	Bangiriposi	Bangiriposi	Kansapal	Rice,Groundnut, Black gram, Vegetable, Poultry	Crop loss due to cyclone, hailstorm and/or heavy rain during harvesting stage of pulses	
3	Suliapada	Suliapada	Khadiasole	Rice, Green gram, Traditional pisciculture ,Poultry	Crop loss due to cyclone, hailstorm and/or heavy rain during harvesting stage of pulses	
4	Kaptipada	Kaptipada	Machhia	Rice, Green gram, Traditional pisciculture ,Vegetable , Poultry	Crop loss due to cyclone, hailstorm and/or heavy rain during harvesting stage of pulses	
5	Betanoti	Betanoti	Gargadia	Rice, Green gram, Traditional pisciculture ,Vegetable , Poultry	Crop loss due to cyclone, hailstorm and/or heavy rain during harvesting stage of pulses	

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2020-21) for its development and action plan

Name of village	Block	Action taken for development
Ambdubi	Shamakhunta	<ul style="list-style-type: none"> ➤ Introduction of off season cauliflower. ➤ Substituted with black gram variety PU-31 ➤ Calcium Supplementation (4ml/day per bird) of RIR breeds ➤ Deworming of kids and PPR vaccination ➤ Mushroom cultivation throughout the year
Kansapal	Bangiriposi	<ul style="list-style-type: none"> ➤ Diversification of Up land paddy to off season cauliflower ➤ Substituted with groundnut variety K-6 in line sowing (Seed cum fertilizer drill) ➤ Substituted with green gram variety IPM-2-14 in line sowing (Zero till seed cum fertilizer drill) ➤ Calcium Supplementation (4ml/day per bird) of RIR breeds ➤ Mushroom cultivation throughout the year
Khadiasole	Suliapada	<ul style="list-style-type: none"> ➤ Introduction of Green gram variety IPM-2-14 variety ➤ Introduction of RIR breed ➤ Introduction of Mushroom cultivation in small scale
Machhia	Kaptipada	<ul style="list-style-type: none"> ➤ Introduction of Green gram variety IPM-2-14 variety ➤ Introduction of RIR breed (20 nos.) ➤ Mushroom cultivation in small scale (10 nos)
Gargadia	Betanoti	<ul style="list-style-type: none"> ➤ Variety DRR-42 ➤ Mushroom cultivation in small scale (20 nos.)

2.1 Priority thrust areas

S. No	Thrust area
1.	Seed production programme in paddy & vegetables
2.	Oilseed and pulse cultivation
3.	Off season & hybrid vegetable cultivation
4.	Organic Farming and Vermi-composting
5.	Farm Mechanization
6.	Mushroom cultivation
7.	Value addition of fruits & vegetables
8.	IPM and IDM in field crops and vegetables
9.	Nutritional garden
10.	Back yard poultry & Goatery
11.	Commercial floriculture
12.	Entrepreneurship through nursery development

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
7	5	78	10	0	28	2	6	12	0	14	58	8	8	76	5	1	14	19	7	30	26	50	76

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			
52	40	1300	3	11	65	1	456	51	82	1	10	800	730	4000	7	2	9	3	42	17	2	7	2			
			0	5																						
			1																							

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							
10		6		M	F	M	F	M	F	M	F	T					M	F	M	F	M	F	M	F	T					
				-	-	-	-	-	-	-	-	-	500	370				75	30	130	55	50	30	255	115	370				

Seed production (q)						Planting material (in Lakh)					
Target			Achievement			Target			Achievement		
500			475			3.0			2.86350		

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
0.04 (poultry chicks)	0.05291	150	166

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	4	Mass	4	4.55	4	-	-
Seminar/conference/ symposiapapers							
Books							
Bulletins							
News letter	1	500					
Popular Articles							
Book Chapter							
Extension Pamphlets/ literature	6	500	-	-	-	-	-
Technical reports	4	10					
Electronic Publication (CD/DVDetc)	2	10					
TOTAL	17	1020					

1. Achievements on technologies assessed and refined

OFT-1

1.	Title of On Farm Trial	Assessment of Integrated nutrient management in papaya
2.	Problem diagnosed	Low yield of Papaya
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1:- RDF(300:300:300 N:P:K kg/ha) +straw mulch+ vermicompost TO2:- 75% of RDF+ Straw mulch +Vermicompost(4t/ha)+Azotobacter(1kg/ac) +PSB Culture(1kg in 10-15lt water/ac)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on water management RRTTS, Chiplima
5.	Production system and thematic area	Irrigated and medium land
6.	Performance of the Technology with performance indicators	Days to flowering, no. of fruits /plant, fruit wt(gm), yield(q/ha)
7.	Final recommendation for micro level situation	75% of RDF+ Straw mulch +Vermicompost(4t/ha)+Azotobacter(1kg/ac) +PSB Culture(1kg in 10-15lt water/ac)
8.	Constraints identified and feedback for research	Availability of vermicompost and azotobacter is low in local market
9.	Process of farmers participation and their reaction	Farmers are willing to adopt above mentioned technologies and adopting the process of vermicomposting in initial levels.

Thematic area: Integrated nutrient management

Problem definition: Low yield of Papaya

Technology assessed: TO1:- RDF(300:300:300 N:P:K kg/ha) +straw mulch+ vermicompost

TO2:- 75% of RDF+ Straw mulch +Vermicompost(4t/ha)+Azotobacter(1kg/ac) +PSB Culture(1kg in 10-15lt water/ac)

Table:

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Days of flowering	No. of fruits/Plant	Fruit wt.(in gm.)					
FP	7	110	35	145	275	1,20,000	3,30,000	2,10,000	2:75
TO1	7	105	50	255	341	1,40,000	4,09,200	2,69,200	2:92
TO2	7	100	55	275	378	1,45,000	4,53,600	3,08,600	3:12

Results: Farmers appreciated TO2 as more yield recorded with higher net income

OFT-2

1.	Title of On Farm Trial	Assessment of Poultry breed in Backyard
2.	Problem diagnosed	Low income from rearing existing poultry breed
3.	Details of technologies selected for assessment/refinement	TO1- Backyard rearing of poultry breed "Aseel" TO2- Backyard rearing of poultry breed "Kadakhnath"
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TO1-CARI,Odisha TO2-Jhabua, M.P
5.	Production system and thematic area	Poultry Breed evaluation
6.	Performance of the Technology with performance indicators	Egg per year , ABW (Kg), Additional income
7.	Final recommendation for micro level situation	Farm women can rear Aseel breed of poultry chick at backyard
8.	Constraints identified and feedback for research	Acceptability of Aseel breed is more among farm women due its easy marketability .
9.	Process of farmers participation and their reaction	Farm women were satisfied with the technology

Thematic area: Breed evaluation

Problem definition: Low income from rearing existing poultry breed

Technology assessed:

TO1-Backyard rearing of poultry breed "Aseel"

TO2- Backyard rearing of poultry breed "Kadakhnath"

Table:

Technology option	No. of trials	Yield component			Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Body weight Growth(Kg/year)	Eggs (no.s/year)					
FP	7	1.2	54		1645	5490	3845	3.33
TO1	7	1.8	76		1980	8060	6080	4.07
TO2	7	2.3	92		1980	10120	8140	5.11

Results: BC ratio of TO1 is 4.07 and TO2 is 5.11 but marketing and overall acceptability of farm women for Aseel breed of poultry chick is more than that of Kadakhnath poultry chick.

OFT-3

1.	Title of On Farm Trial	Comparative Assessment of improved poultry breeds for production in Backyard system
2.	Problem diagnosed	Poor sustainability of backyard poultry.
3.	Details of technologies selected for assessment/refinement	TO1- Backyard rearing of poultry breed “Rhode Island Red” TO2- Backyard rearing of Poultry breed “Kalinga Brown ”
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Annual Report 2016-17, Dir. of Poultry , ICAR Annual Report 2017-18, ICAR-CAR
5.	Production system and thematic area	Poultry Breed evaluation
6.	Performance of the Technology with performance indicators	Egg per year , ABW (Kg), Additional income
7.	Final recommendation for micro level situation	-
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	-

Thematic area: Poultry Breed evaluation

Problem definition: Poor sustainability of backyard poultry.

Technology assessed:

TO1-Backyard rearing of poultry breed “Rhode Island Red”

TO2- Backyard rearing of Poultry breed “Kalinga Brown ”

Table:

Technology option	No. of trials	Yield component		Cost of cultivation (Rs./10 poultry chicks)	Gross return (Rs/10 poultry chicks)	Net return (Rs./ 10 poultry chicks)	BC ratio
		Body weight Growth(Kg/2month)	Eggs (no.s/year)				
FP	7	0.45	Result Awaited				
TO1	7	0.59					
TO2	7	0.62					

Results: Result awaited

OFT-4

1.	Title of On Farm Trial	Assessment of different planting time for better market price of Tomato
2.	Problem diagnosed	Distress sale of tomato
3.	Details of technologies selected for assessment/refinement	TO1:-Planting of seedling 15 days before onset of normal planting period TO2:- Planting of seedling 15 days after completion of normal planting period
4.	Source of Technology (ICAR/AICRP/SAU/other, please specify)	Post Harvest Technology Centre,TNAU,2015
5.	Production system and thematic area	Irrigated and medium land
6.	Performance of the Technology with performance indicators	Plant height, -No. of fruits/plant, Fruit weight, Disease & pest incidence
7.	Final recommendation for micro level situation	Planting of seedling 15 days after completion of normal planting period
8.	Constraints identified and feedback for research	Planting of seedling 15 days after completion of normal planting period produces fetches high price in market.
9.	Process of farmers participation and their reaction	Farmers are generally showing high interest in this technology as they are earning more income than previous.

Thematic area: Market Led Extension

Problem definition: Distress sale of tomato

Technology assessed:

TO1- Planting of seedling 15 days before onset of normal planting period

TO2- Planting of seedling 15 days after completion of normal planting period

Table:

Technology option	No. of trials	Yield component			Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Plant height (cm) at peak harvest stage	No. of fruits/plant (after final picking)	Yield (q/ha)				
FP	7	90.1	30	340.70	79560	340700	261140	4:20
TO1	7	90.7	32	342.67	79700	359803	280103	4:51
TO2	7	90.0	28	349.15	78490	418980	340490	5:33

Results: Planting of tomato 15 days after the normal sowing window fetches higher market price with a B:C of 5.33.

OFT-5

1.	Title of On Farm Trial	Assessment of biofertilized rice variety for nutritional security
2.	Problem diagnosed	Low nutrient content in the popular rice variety cultivated
3.	Details of technologies selected for assessment/refinement	TO1-CR Dhan 311 TO2-CR Dhan 315
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NRRI 2016
5.	Production system and thematic area	Production system-Rice-pulses and Thematic area- Crop production
6.	Performance of the Technology with performance indicators	No. of panicles/hill , No. of grains/panicle, crude protein content, yield (q/ha), Net return (Rs./ha), B:C ratio
7.	Final recommendation for micro level situation	Result awaited
8.	Constraints identified and feedback for research	Lodging noticed in the variety of CR Dhan 311
9.	Process of farmers participation and their reaction	Farmers were satisfied with the technology

Thematic area: Varietal Evaluation

Problem definition: Low nutrient content in popular rice variety cultivated

Technology assessed:

TO1-CR Dhan 311

TO2-CR Dhan 315

Table:

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/m ⁻²	No. of grains per panicle	Crude protein content					
FP	7	244.67	88	-	38.4	54038	74578	20535	1.38
TO1	7	275.60	119	-	41.2	56000	84002	28002	1.50
TO2	7	262.28	103	-	43.3	56000	79928	23928	1.42

Results: Samples sent to NRRI, Cuttack for analysis

OFT-6

1.	Title of On Farm Trial	Assessment of effectiveness of different extension methodologies on Paddy Production
2.	Problem diagnosed	Lack of technical knowledge gain among the farmers
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1- Video Lecture+Group discussion TO2- Using of 'riceXpert' App
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NRRI, Cuttack.2015
5.	Production system and thematic area	Rainfed, medium land
6.	Performance of the Technology with performance indicators	Change in skill and Knowledge level
7.	Final recommendation for micro level situation	Using of 'riceXpert' App
8.	Constraints identified and feedback for research	Need based technology are available during crop production.
9.	Process of farmers participation and their reaction	Farmers are satisfied with the technology as it is in local language.

Thematic area: Capacity Building

Problem definition: Lack of implementation of improved production technology of Paddy

Technology assessed:

TO1- Video Lecture+Group discussion

TO2- Using of 'riceXpert' App

Table:

Technology option	No. of participants	Change in knowledge			Change in skill		
		Low	Medium	High	Low	Medium	High
FP	30	21	6	5	18	5	3
TO1	30	6	9	6	10	20	8
TO2	30	3	15	18	2	5	19

Results: The number of respondents has to be increased with increase in number of village covering different blocks.

9.	Mushroom	Income generation	Demonstration of scrambled paddy straw as substrate for Paddy straw Mushroom cultivation	10 no.s	10 no.s	2				8		2	8	10	
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Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P ₂ O ₅	K ₂ O					
Ground nut	Rabi	Irrigated	Sandy loam	270	14	156	Paddy	January 20	April 30	90	11
Black gram	Rabi	Rainfed	Sandy loam	245	12	119	Paddy	January 15	March 17	83	9
Paddy	Kharif	Irrigated	Sandy loam	307	18	220	Fallow	July 20	November 25	1229.2	63
Arhar	Kharif	Rainfed	Sandy loam	248	12	125	Black gram	August 25	December 25	1300	64

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
Blackgram	Varietal evaluation	FP- Local variety Bhadria Demo- IPU 2-43 Variety	6	0.1	5.1	3.1	64	24895	45900	21005	1.84	22400	31147	8747	1.84
Arhar	Integrated weed management	FP- Hand weeding at 15 DAS Demo-Application of Imazathapyr 10% SL @ 75g ai/ ha at 14 DAS	10	0.4	13.93	11.38	22.40	52600	83580	30900	1.58	54131	68280	14149	1.26
Total			16	0.5	19.03	14.48	86.40	77495	129480	51905	3.42	76531	99427	22896	3.1

* 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
Blackgram	Varietal evaluation	FP- Local variety Bhadria Demo- IPU 2-43 Variety	6	0.1	5.1	3.1	64	24895	45900	21005	1.84	22400	31147	8747	1.84
Arhar	Integrated weed management	FP- Hand weeding at 15 DAS Demo-Application of Imazathapyr 10% SL @ 75g ai/ ha at 14 DAS	10	0.4	13.93	11.38	22.40	52600	83580	30900	1.58	54131	68280	14149	1.26
	Total		16	0.5	19.03	14.48	86.40	77495	129480	51905	3.42	76531	99427	22896	3.1

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Paddy	Integrated weed management	FP- Hand weeding at 15 DAS Demo-Application of Imazathapyr 10% SL @ 75g ai/ ha at 14 DAS	10	0.4	41.2	35.76	15.21			52345	80340	27995	1.51	56295	69740	13445	1.23
	Total		10	0.4													

Livestock

[illegible]

Pigerry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					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																	

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demons ration	Check		Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Paddy straw Mushroom	Demonstration of scrambled paddy straw as substrate for Paddy straw Mushroom cultivation	10	10	Pin head appearance (days)-9 Biological efficiency (%) -7.8 Yield (Kg/10 bed)-6.5	8 9.28 5.5	18.1			300	825	525	2.75	500	975	475	1.95
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Value addition	Demonstration of Tomato powder to avoid distress sale	10	10	Sensory evaluation (Hedonic scale of rating)-7 Keeping Quality (days)-368	21				80	240	160	3.0	50	80	30	1.6

Value addition	Demonstration on Mango Leather	10	10	Sensory evaluation (Hedonic scale of rating)-6 Keeping Quality (days)-260	9				260	1000	740	3.84	200	500	300	2.5
Nutritional Security	Demonstration of Nutritional Garden for Improving Nutritional Security of farm family	10	10	Vegetable consumption(gm/member/day)-290	165	75.7	937	530	4500	9370	4870	2.08	3300	5300	2000	1.6
Total		30	30													

Women empowerment

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

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)			
					Demonstration	Check									
Paddy parboiling drum	paddy	Demonstration of NRI Paddy Parboiling drum for drudgery reduction of farm women	10		Out put (Kg/hour)- 69.45	35.65	-	-	-	-	-	-	-	-	-
					Heart rate (Beats/min)-102	113									
					Energy expenditure (KJ/Min)- 7.51	9.24									

Demonstration details on crop hybrids

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

[illegible]

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Paddy straw mushroom	Though yield of paddy straw mushroom cultivation using bundled straw scrambled straw

Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	23.03.2021	1	33	-
2.	Farmers Training	2 nd and 3 rd march 2021, 9 th and 10 th march 2021, 23.07.2021, 26 th to 28 th july 2021, 4 th to 6 th Aug 2021, 13.08.2021, 25.08.2021, 22 nd to 24 th Sept 2021, 08.Oct.2021	9	224	
3.	Media coverage	-	3	Mass	-
4.	Training for extension functionaries	28 th and 29 th Sept 2021, 22 nd and 23 rd Nov.2021	2	50	-

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2021 and Rabi 2021-2022:

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

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

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)
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-	-	-	-	-	-	-	-	-
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D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
-	-	-	-	-	-	-	-

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
-	-	-	-

F. Extension activities under FLD conducted:

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

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	-	-	-
	ii) TA/DA/POL etc. for monitoring	-	-	-
	iii) Extension Activities (Field day)	-	-	-
	iv)Publication of literature	-	-	-
	Total	-	-	-

[illegible]

[illegible]

[illegible]

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 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													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
Agricultural operational calendar	1							25		25	25		25
Farm record keeping & its Management	1							25		25	25		25
Conflict management in farmers' group	1							25		25	25		25
Application of ITK for sustainable groundnut production	1							25		25	25		25
Optimization of market linkage during distress sale of Tomato	1							25		25	25		25
Crop Insurance and its benefits	1							25		25	25		25
Total	6							150		150	150		150
GRAND TOTAL	22	53	43	96	51	0	51	346	14	360	450	57	507

B) Rural Youth (on campus)

[illegible]

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
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Value added products from Sabai	2	0	23	23	0	0	0	0	10	10	0	33	33
ICT	1	18	0	18	5	0	5	7	0	7	30	30	30
Skill Development	1							45			45		45
Integrated Nutrient management	1							15			15		15
Integrated Weed management	1							15			15		15
Protected cultivation of vegetable crops	1	45									45		45
Commercial fruit production	1	45									45		45
Total	15	158	57	215	13	0	13	105	23	53	276	111	347

C) Extension Personnel (on campus)

[illegible]

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Care and maintenance of farm machinery and implements	1	15	3	18	1	0	1	5	2	7	21	5	26
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Kitchen garden for Nutritional security	1	0	12	12	0	1	1	0	12	12	0	25	25
Entrepreneurial development of farmers/youths	1	75	0	75							75	0	75
Total	3	90	15	105	1	1	2	5	14	19	96	30	126

D) Farmers and farm women (off campus)

[illegible]

[illegible]

[illegible]

[illegible]

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
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
Agricultural operational calendar	1							25		25	25		25
Farm record keeping & its Management	1							25		25	25		25
Conflict management in farmers' group	1							25		25	25		25
Application of ITK for sustainable groundnut production	1							25		25	25		25
Optimization of market linkage during distress sale of Tomato	1							25		25	25		25
Crop Insurance and its benefits	1							25		25	25		25
Total	6							150		150	150		150
GRAND TOTAL	22	53	43	96	51	0	51	346	14	360	450	57	507

E)RURAL YOUTH (Off Campus)

[illegible]

[illegible]

F) Extension Personnel (Off Campus)

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

G) Consolidated table (ON and OFF Campus)**i. Farmers& Farm Women**

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	3	3	9	12				93	20	113	96	29	125
Resource Conservation Technologies		2	6	8				55	12	67	57	18	75

[illegible]

[illegible]

[illegible]

[illegible]

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
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
Agricultural operational calendar	1							25		25	25		25
Farm record keeping & its Management	1							25		25	25		25
Conflict management in farmers' group	1							25		25	25		25
Application of ITK for sustainable groundnut production	1							25		25	25		25
Optimization of market linkage during distress sale of Tomato	1							25		25	25		25
Crop Insurance and its benefits	1							25		25	25		25
Total	6							150		150	150		150
GRAND TOTAL	22	53	43	96	51	0	51	346	14	360	450	57	507

ii. RURAL YOUTH (On and Off Campus)

[illegible]

[illegible]

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Value added products from Sabai	2	0	23	23	0	0	0	0	10	10	0	33	33
ICT	1	18	0	18	5	0	5	7	0	7	30	30	30
Skill Development	1							45			45		45
Integrated Nutrient management	1							15			15		15
Integrated Weed management	1							15			15		15
Protected cultivation of vegetable crops	1	45									45		45
Commercial fruit production	1	45									45		45
Total	15	158	57	215	13	0	13	105	23	53	276	111	347

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements	1	15	3	18	1	0	1	5	2	7	21	5	26

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			
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Kitchen garden for Nutritional security	1	0	12	12	0	1	1	0	12	12	0	25	25
Entrepreneurial development of farmers/youths	1	75	0	75							75	0	75
Total	3	90	15	105	1	1	2	5	14	19	96	30	126

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
Agronomy	F & FW	Mulching of groundnut	1	Off				25		25
Agronomy	F & FW	Application of micronutrients for increasing pod and stover yield in groundnut	1	Off	23		23	2		2
Agronomy	RY	Entrepreneurship development through preparation and use of organic products	3	on	3	1	4	11		11
Agronomy	F & FW	Judicious use of herbicide for weed control in groundnut	1	Off			22	3		25
Agronomy	F & FW	Storage technique of green gram by ITK	1	OFF	2	6	8	12	5	17
Agronomy	F & FW	Judicious use of herbicide for weed control in green gram	1	Off				14	11	25
Agronomy	F & FW	IWM in mechanized transplanted rice	1	OFF				25		25
Agronomy	F & FW	Organic method of rice cultivation	1	Off	1	10	11	14		14
Agronomy	F & FW	Use of rice crop manager	1	OFF	14	10	24	1		1
Agronomy	F & FW	INM in maize cowpea intercrop	1	Off	12	7	19	3	3	6
Agronomy	F & FW	Water harvesting structures	1	OFF				22	3	25
Agronomy	RY	Various methods of compost preparation	3	on	1		1	14		14

Agronomy	F & FW	INM in groundnut	1	Off				18	7	25
Agronomy	F & FW	Judicious use of herbicide in green gram	1	OFF	2		2	19	4	23
Agronomy	RY	IWM in pulses	3	on	2		2	13		13
Agronomy	F & FW	Saline soil reclamation	1	Off	1		1	18	6	24
Agronomy	RY	INM in cereals	3	on				15		15
Agronomy	F & FW	INM in potato	1	Off		2	2	16	7	23
Agronomy	F & FW	Judicious use of herbicide in Mustard	1	off	17		17	8		8
Home Science	FW	Safety use of NRRI paddy parboiling drum for drudgery reduction of farm women	One	Off	0	26	26	0	12	12
Home Science	RY	Oyster mushroom cultivation technique	Three	On	17	5	22	9	2	11
Home Science	FW	Storage technique of green gram by ITK	One	Off	0	25	25	0	09	9
Home Science	RY	Preparation of Value added products from Sabai	Five	On	0	17	17	0	7	7
Home Science	FW	Rearing of Aseel breed of poultry at backyard	One	Off	0	25	25	05	05	05
Home Science	FW	Value addition of tomato by preparing tomato powder	Two	On	0	25	25	0	6	6
Home Science	FW	Value addition of tomato by preparing tomato concentrates	Two	On	0	25	25	0	8	8
Home Science	FW	Development of Nutritional garden for nutritional security of family members	one	Off	0	25	25	0	9	9
Home Science	RY	Paddy Straw Mushroom cultivation technique	Three	On	10	7	17	2	2	4
Home Science	FW	Management of poultry in backyard	One	Off	0	25	25	0	0	0
Home Science	RY	Paddy Straw Mushroom cultivation technique	Three	On	11	6	17	6	2	8
Home Science	FW	Paddy Straw Mushroom cultivation technique using threshed straw	One	Off	0	25	25	0	3	3
Home Science	FW	Care and precautions of proper paddy straw mushroom production	One	Off	0	25	25	0	25	25
Home Science	RY	Paddy Straw Mushroom cultivation technique	Three	On	9	6	15	1	2	3
Home Science	IS	Proper planning and layout of kitchen gardenfor nutritional security of family members	Two	On	0	25	25	0	13	13
Home Science	FW	Development of Nutritional garden for nutritional security of family members	One	On	0	25	25	0	23	23
Home Science	IS	Use of different agriculture and allied small women friendly farm tools for drudgery reduction of farm women	Two	On	21	5	26	6	2	8
Home Science	RY	Oyster mushroom cultivation technique	Three	On	17	9	26	2	3	5
Home Science	RY	Oyster mushroom cultivation technique	Three	On	10	6	16	7	0	7
Home Science	RY	Preparation of Value added products from Sabai	Five	On	0	16	16	0	3	3

a) 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	
Organic farming	Enterprenurship development	Enterprinurship development through preparation and use of organic products	3	12	3	15	Organic products	3	7	2
Organic farming	Compost preparation	Various methods of compost preparation	3	15		15	Compost preparation	4	9	1
Mushroom	Income generation	Oyster Mushroom cultivation technique	3	44	20	64	Mushroom unit	42	46	-
Mushroom	Income generation	Paddy straw Mushroom cultivation technique	3	30	19	49	Mushroom unit	31	37	-
Sabai	Value addition	Preparation of Value added products from sabai	2	-	33	33	Sabai unit	12	15	-

*training title should specify the major technology /skill transferred

b) Details of participation

[illegible]

[illegible]

Grand Total	9	50	57	107	8	1	9	23	36	46	81	81	162
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I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

[illegible]

b) Details of participation

[illegible]

[illegible]

3.4. A. Extension Activities (including activities of FLD programmes)

[illegible]

Workshop											
Group meetings	20	50	235	285	110	-	-	-	50	235	285
Lectures delivered as resource persons	18	98	310	408	78	-	-	-	98	310	408
Advisory Services	110	22	88	110	45	-	-	-	-	-	110
Scientific visit to farmers field	34	23	236	259	52	-	-	-	23	236	259
Farmers visit to KVK	431	332	99	431	67	-	-	-	332	99	431
Diagnostic visits	36	34	124	158	72	-	-	-	34	124	158
Exposure visits	-	-	-	-	-	-	-	-	-	-	-
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-	-
Soil health Camp	-	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	02	84	20	104	79.8	7	2	9	91	22	113
Agri mobile clinic											
Soil test campaigns											
Farm Science Club Conveners meet											
Self Help Group Conveners meetings	8	-	90	90	34	-	-	-	-	90	90
Mahila Mandals Conveners meetings	3	-	57	57	45	-	-	-	-	57	57
Celebration of important days (World Food day, Women in Agri day, Agril. Education Day, Jai Kisan Jai Vigyan, , World Soil Day , Mahila Kisan Divas and other special events)	12	209	481	690	62	5	4	9	47	139	186
Swatchta Hi Sewa											
Any Other (Research – Extension interface meeting)	8	-	-	-	-	170	24	194	170	24	194
Any Other (Live webcasting)-100+102+7	3	96	106	202	75	5	7	12	111	209	320
Total	730	1527	2332	3859	-	226	74	300	1574	1974	3658

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	12
Radio talks	-
TV talks	-
Popular articles	3
Extension Literature	2
Other, if any(News letter)	1

3.5 a. Production and supply of Technological products

Village seed

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

KVK farm

Crop	Variety	Quantity of seed(q)	Value(Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Paddy	Pooja	261.0	791091	-	-	-	-
Paddy	Swarna Sub-I	214.0	648634	-	-	-	-
Grand Total		475.0	1439725				

Production of planting materials by the KVK

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower	Hybrid	18230	18230	78	20	18	116
Cabbage	Hybrid	22560	22560	78	32	25	135
Tomato	Hybrid	98560	98560	145	50	185	380
Brinjal	Hybrid	77650	77650	140	35	100	275
Chilli	Haldikhadi	55250	55250	117	30	135	282
Onion							
Others(Drumstick)	PKM-1	3540	53100	65	55	55	175
Fruits							
Mango							
Guava							
Lime							
Papaya	Red lady	10560	211200	145	40	130	315
Banana							

Others							
Ornamental plants							
Medicinal and Aromatic							
Plantation							
Spices							
Turmeric							
Tuber							
Elephant yams							
Fodder crop saplings							
Forest Species							
Others, pl.specify							
Total		286350	536550	768	262	648	1678

Production of Bio-Products

Name of product	Quantity	Value (Rs.)	No. of Farmers benefitted							
	Kg		SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers	411	6165	17	-	23	5	15	-	55	5
Bio-pesticide										
Bio-fungicide										
Bio-agents										
Others, please specify.										
Total	411	6165	17	-	23	5	15	-	55	5

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Dairy animals											
Cows											
Buffaloes											
Calves											
Others (Pl. specify)											
Small ruminants											
Sheep											
Goat											
Other, please specify											
Poultry											
Broilers											
Layers											
Duals (broiler and layer)	Rainbow rooster	4935	345450	20	25	80	380	13	7	113	412
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		4935	345450	20	25	80	380	13	7	113	412

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

i) Name of Seed Hub Centre:

Name of Nodal Officer :	Dr. Sanghamitra Pattnaik
Address :	KVK, Mayurbhanj-1, Shamakhunta, Dist-Mayurbhanj, PIN-757049
e-mail :	kvkmayurbhanj1.ouat@gmail.com
Phone No. :/Mobile :	9437147934

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2021	-	-	-	-	-	-
Rabi 2021-22	-	-	-	-	-	-
Summer/Spring 2021	Green gram	Virat	100.0	100.0	0.56	C/S

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- (Infrastructure Rs.50 lakhs + Revolving Rs.33lakhs = Rs. 83.0 lakhs)	50.0	4.12725	29.0136	
2017-18- Nil	-	14.64024	24.38898	
2018-19- Nil	-	6.9618	24.51322	
2019-20- Nil	-	1.34069	31.08388	
2020-21- Nil	-	6.11755	27.41685	
2021-22- Nil	-	-	31.51375	

iv) Infrastructure Development

Item	Progress
Seed processing unit	Construction of Seed Storage has been completed and Installation of machinery completed
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	-	-	-	-
Seminar/conference/ symposia papers	--	-	-	-
Books / Booklet	-	-	-	-
Bulletins				
News letter	Bhanja bhumi Krushaka ra katha	Sr. Scientist & Head	500 copies	500copies
Popular Articles	-	-	-	-
Book Chapter	-	-	-	-
Extension Pamphlets/ literature	Amruta Bahanda Chasa	Sr. Scientist & Head	500 copies	500copies
Technical reports	Pandit Deen Dayal Upadhyay Krishi Vigyan Protshahan Puraskar (National)	Sr. Scientist & Head	10 copies	10copies
Electronic Publication (CD/DVD etc)	Video Cassette on Diseases in Paddy Odia Language	Sr. Scientist & Head	10 copies	10copies
TOTAL			521copies	521copies

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.	Trainers training programme for KVK scientists	Sericulture	Jhunilata Bhuyan, Scientist (Home Science)	14.09.2021-18.09.2021	CTR&TI, Ranchi
2.	Trainers training programme for KVK scientists	Sericulture	Dr. Plabita Ray SMS, Agronomy	14-09-2021 to 18-09-2021	CTR&TI, Ranchi

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 Akshya Kumar Sahu
Address	Astapura, Block:Betanoti
Contact details (Phone, mobile, email Id)	9437147897
Landholding (in ha.)	Commercial fish production:8 ha Fish seed Production (fish fry and prawn post larva): 20 ha
Name and description of the farm/ enterprise	Commercial fish production and Fish seed Production (fish fry and prawn post larva)
Economic impact	The average production of fish is 4.5 t /ha and fish seed is 3t/ha The annual return and expenditure of the farmer is Rs408 lakhs and Rs 213 Lakhs respectively. He gets a net profit of Rs 195 lakhs annually. 40 persons are employed throughout the year
Social impact	80 farmers have already been trained through FFS.700-800 farmers of Odisha, Jharkhand and Chatisgarh States are visiting the sites each year
Environmental impact	Conservation of indigenous species and to avoid inbreeding
Horizontal/ Vertical spread	45ha. Spreading in 10block of Mayurbhaj covering around 2400 farmers.

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

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

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

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
01	Rice	Neem leaf	Storage
02	Green gram	Red chilli	Storage

b. Give details of organic farming practiced by the farmer

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

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

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
1	AV-Aids	Practical knowledge.
2	Method demonstration	Skill up gradation
3	Literatures	Knowledge up gradation
4	Pre & Post Training Evaluation	Adoption rate

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

Sl. No	Name of the Equipment	Qty.
1	Flame Photometer	01
2	Soil Moisture Meter	01
3	Automatic Nitrogen Analyzer	01
4	Electronic Precision Balance	02
5	Double beam U.V Spectrophotometer	01
6	Refrigerated Centrifuge	01
7	Physical Balance	01
8	Distilled water unit	01
9	PH meter	01
10	EC meter/Conductivity meter	01
11	Horizontal Rotary Shaker	01
12	Mechanical Stirrer	01
13	Bouycous hydrometer	01
14	Hot air Oven –Digital	01
15	Thermometer	01
16	Geological Hammer	01
17	Seive	01
18	Keen cup	01
19	Magnetic Stirrer with hot plate	01
20	Water Quality Analyser	01
21	Vortex	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			
21	110	131	250	10	-

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	Celebration of World Soil Day	95	1	Vice Chancellor North Odisha University, Baripada	30	30

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

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

3.13. Technology week celebration

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

3.14. RAWF/ 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

4. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Package and practices of Papaya and Banana	25	15	150000	269370
Off season vegetable cultivation	50	18	120000	220000
Commercial cultivation of tuber crops	25	22	60000	150000
Hybrid vegetable cultivation	25	15	70000	150000
Commercial cultivation of flowers	25	20	37000	64000
Seed production in vegetable crops	25	11	70000	98000
Hi-tech horticulture and precision farming	10	15	0	50000
Propagation techniques of mango	25	22	0	70000
Grading, sorting and packaging of vegetables	25	12	60000	68000

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Planting techniques of tissue cultured Banana	25	18	230000	350000
Package and practices of cucurbits	25	16	60000	90000
Plant protection techniques of Arhar	25	22	32000	46000
Plant protection techniques of Groundnut	25	25	36000	55000
Plant protection techniques of Green gram	25	20	15500	26000
Spraying techniques in paddy	25	21	24000	27500
Sucking pest management in Okra, Brinjal, Tomato and Chilli	25	14	60000	122000
Management of fruit fly in Pumpkin	25	15	65000	96000
Management of fruit and shoot borer in Okra, Tomato, Brinjal and Chilli	25	18	74000	142000
Application of Trichoderma viridae in vegetable nurseries for disease management	25	16	140000	259372
Bio-pesticides for controlling pests and diseases in vegetable crops	25	17	70000	145000
Cultivation of paddy straw mushroom in entrepreneurial basis	50	20	14200	31150
Cultivation of oyster mushroom in entrepreneurial basis	25	10	3360	7850
Preparation of value added products from tomato	25	11	-	19500
Preparation of value added products from sabai grass	25	16	-	28000
Use and operation of seed drills/planters	25	24	48600	67500
Use and operation of rotavator for seed bed preparation	25	20	12700	14210
Use and operation of SRI power weeder	25	25	15700	22230
Mechanized transplanting and use of transplanter	25	23	14950	20750
Entrepreneurship development through farm mechanization	10	14		
Use, operation and maintenance of drip and sprinkler irrigation system	25	16		
Mushroom production in entrepreneurial basis	30	12	450	800
Vaccination procedure in goats for deworming	25	13	3200	4500
Preparation of value added products from mushroom	25	14	450	1500

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

4.2. Cases of large scale adoption (Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread
-	-

Give information in the same format as in case studies

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

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

4.4. Details of innovations recorded by the KVK

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

4.5. Details of entrepreneurship development

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

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Department of Agriculture & Farmers Welfare, Mayurbhanj, Govt. of Odisha	<ul style="list-style-type: none"> • Conducting on farm trials & Demonstration • Crop planning in irrigated ayacuts • Organizing skill oriented vocational training programmes, • Farmers' fair • Monitoring BGREI programme
Department of Horticulture, Mayurbhanj, Govt. of Odisha	<ul style="list-style-type: none"> • Site selection, Plantation and management of mango plantation along with intercropping under MGNREGS • Monitoring Centre of Excellence , • Verification of Planting material on MGNREGS Programme

	<ul style="list-style-type: none"> • Verification of poly house under NHM and verification of plantations taken up under MGNREGS • Capacity building programme of extension personnel
Department of Animal Resource & Fishery, Mayurbhanj, Govt. of Odisha	<ul style="list-style-type: none"> • Conducting Demonstration in the farmers field & Training programme of farmers • Organizing Animal Health camp
Department of Minor Irrigation, Mayurbhanj, Govt. of Odisha	Training programme for the Office bearers of PaniPanchayat functionaries.
Department of Water Resource, Mayurbhanj, Govt. of Odisha	Conducting training for the field level extension functionaries.
Department of Child Welfare, Mayurbhanj, Govt. of Odisha	Providing training to ICDS supervisors & field level functionaries on Nutritional Aspects
Cereal Systems Initiative for South Asia (CSISA)-CIMMYT	Multilocal trials in Mayurbhanj district.
NABARD	Formation and strengthening of Farmers' Club
Odisha Livelihood Mission	Technical backstopping in 20 village programme for sustainable livelihood in Mayurbhanj district.
IFFCO	Large scale plantation programme & Collaborative Trials

5.2. List of special programmes undertaken during 2020-21 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies (**information of previous years should not be provided**)

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Vegetable seedling Unit	2005	110	Hybrid	Seedling	270812 no	10500	465220	

2.	Kitchen garden Unit	2005	200	Hybrid	Vegetable	356 kg	3080	3560	
3.	IFS Unit	2005	500	Hybrid	Vegetable	250 kg	2156	2500	
4.	Guava Unit	2016	250	VNR Bihi	Guava	10 kg	150	200	
5.	Medicinal Unit	2019	200	Mix	-				
6.	Mushroom Unit	2010	50	Paddy straw, Oyster mushroom	Mushroom	241 kg	8500	16900	
	Total		1310				24386	488380	

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	
Paddy	15/8/2020	25/12/2020	12.0		FS		900000	1210581	-
Paddy	5/08/2020	02/01/2021	2.0		FS		140000	222475	

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	Vermicompost	750	6096	11250	-
2	Azolla	150 kg	616	750	

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Poultry birds	Rainbow rooster	21dy old chicks	2291nos	-	160370	
2.	Dairy Unit	Desi		16 no	36966	51000	

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)-20nos

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: **Quarters are not in habitable condition**

No. of staff quarters:

Date of completion:

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
KVK Contingency(Current)	SBI	Shamakhunta	11600031037
Revolving Fund (Saving)	SBI	Shamakhunta	30490126394
Pulse Seed Hub (Saving)	SBI	Shamakhunta	36077653148
DAMU	SBI	Shamakhunta	40092051186

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st April, 2021
	Kharif	Rabi	Kharif	Rabi	
CFLD on Oilseeds Rabi		120000		119728	272
CFLD on Oilseeds Summer		120000		119753	247

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	
CFLD on Pulses Summer		180000		178428	1572

7.4. Utilization of KVK funds during the year 2021-22 (Not audited)

Sl. No.	Particulars	Sanctioned (Lakhs)	Released (Lakhs)	Expenditure (Lakhs)
A. Recurring Contingencies				
1	Pay & Allowances	-	-	-
2	Traveling allowances	1,00,000	1,00,000	50,014
3	Contingencies	16,13,806		
A	Library			

B	HRD			
C	Swachhta Expenditure	15,000	15,000	15,000
TOTAL (A)		17,28,806	17,28,806	17,28,806
B. Non-Recurring Contingencies				
	Library	10000	10000	10000
TOTAL (B)		10000	10000	10000
C. REVOLVING FUND		-	-	-
GRAND TOTAL (A+B+C)		1738806	1738806	1688820

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)
2019-20	5000	1819693	1538344	-
2020-21	5000	1500873	1596729	-
2021-22	5000	2579850	1371420	-

7.6. (i) Number of SHGs formed by KVKs-**10nos.**

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities: **Mushroom grower & Forest Produce**

(iii) Details of marketing channels created for the SHGs: **Marketing linkage has been established in association with OLM, Mayurbhanj**

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

8. Other information

8.1. Prevalent diseases in Crops

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

8.2. Prevalent diseases in Livestock/Fishery

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

9.1. Nehru Yuva Kendra (NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

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

Type of message	No. of messages	No. of farmers covered
Crop	62	83140
Livestock	-	
Fishery	-	
Weather	-	
Marketing	-	-
Awareness	-	
Training information	-	-
Other	2	677
Total	62	83817

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	900
2.	No. of farmers registered in the portal	-
3.	Mobile Apps developed by KVK	-
4.	Name of the App	-

5.	Language of the App	-
6.	Meant for crop/ livestock/ fishery/ others	-
7.	No. of times downloaded	-

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
January 2021 to December 2021	KVK Campus cleaning and sanitation

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	-	-
2. Basic maintenance	-	-
3. Sanitation and SBM	40	14500
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	1	500
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	41	15000

9.6. Observation of National Science day

Date of Observation	Activities undertaken
-	-

9.7. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants
-	-	-

9.8. Agriculture Knowledge in rural school

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

Give good quality 1-2 photograph(s)

9.9. Details of 'Pre-Rabi Campaign' Programme

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

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)
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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 Kisan Diwas	1	120	-	-

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	Ratikant Patra	Balimunduli, Shamakhunta, 9777493543	Hybrid paddy seed production in 2.0 ha area
2	Bijay Kumar Patra	Girishchandrapur, Khunta, 9438500562	Paired row planting of various off-season vegetables in shed houses
3	Prasannajit Mohapatra	Kenduadiha, Shamakhunta, 9438001895	Novel technology in managing rice pests and diseases by using 07 different Indigenous products/components
4	Nagendra Maharna	Madhunanda, Betnoti, 9853076922	Mixed farming of various vegetables in the same place

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
5	Lipsa Mohanty	Kansapal, Bangiriposi, 9437461661	Poultry farming with in-house feed preparation
6	Sudhir Kumar Acharya	Belam, Badasahi, 9439883090	Intercropping of Cereal, pulse and vegetables
7	Nabin Mohanta	Bholagadia, Shyamakhunta, 9439094429	Novel technique to harvest rice in muddy conditions (When rain occurs at the time of harvest)
8	Kalpana Bindhani	Deulasahi, Baripada, 9861456703	Novel preparation of value added products from vegetables and fruits
9	Geetarani Mohanty	Ruchi Mushroom, Takatpur, Baripada, 9861317115	Paddy straw mushroom production by using sterilized compost
10	Rajat Satpathy	Puravi Dairy, ABCpur, Badasahi, 9438232353	Various value added products from milk

9.13. Revenue generation

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

9.14. Resource Generation:

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

9.15. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
27.05.2021	IMD	Functional

9.16. Contingent crop planning

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

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

a) Year: 2018

b) Introduction / General Information:

	Title	Objective	Treatment details	Date of sowing	Replication	Result with photographs
Expt-1	On-farm evaluation of crop response to Zn fertilizer application in Odisha (Kharif 2021).	Crop response to Zn fertilizer application	T1-Farmer's practice (n T1-Farmer's practice (no Zn) o Zn)	01.08.2021	20 no	
			T2-Soil application of Zn@25 kg/ha			
			T3-Foliar spray of 0.5% Zn sulphate			
			T4-Soil application Zn@25 kg/ha + Foliar spray of 0.5% Zn sulphate			

11. Details of TSP

a. Achievements of physical output under TSP during 2020-21

Programmes	Physical achievements
Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	0
On-farm trials (Number)	6
Frontline demonstrations (Number)	10
Farmers training (in lakh)	18.0002
Extension personnel training (in lakh)	0.00004
Participants in extension activities (in lakh)	0.07709
Seed production (in tonnes)	58.06
Planting material production (in lakh)	4.85822
Livestock strains and fingerlings production (in lakh)	0.02108
Soil, water, plant, manures samples testing (in lakh)	0.00177
Provision of mobile agro – advisory to farmers (in lakh)	0.00056
No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	124

b. Fund received under TSP in 2020-21 (Rs. In lakh): **8.0lakh**

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

Sl. No.	Description	Unit	Achievements
1	Change in family income	%	22%

2	Change in family consumption level	%	19%
3	Change in availability of agricultural implements/ tools etc.	No. per household	16%

(ii) Table:

<i>Sl. No.</i>	<i>Description</i>	<i>Unit</i>	<i>Achievements</i>
1	Number of Technologies Identified after Assessment	Number	5
2	Upgraded Skills and Knowledge of farmers	Number	279
3	Oriented extension personnel in frontier areas of agricultural technology	Number	214
4	Increased availability of quality seed	Quintal	711.8
5	Increased availability of quality Planting material	Number	467760
6	Increased availability of live-stock strains and fingerlings	Number	2100
7	Testing of Soil & water samples for balance fertilizer use	Number	177

d. Location and Beneficiary Details during 2020-21

<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
Mayurbhanj	Badsahi	2	Arpata, Kochilakhunta	72	108	180
Mayurbhanj	Bangiriposi	4	Bautia ,Chandibil, Jarkani , Alhapani	12	20	32
Mayurbhanj	Baripada	2	Gohaldihi , Rangamati	21	31	52
Mayurbhanj	Betnoti	3	Madhapur, Khirpada	17	25	42
Mayurbhanj	Kaptipada	7	Jhinkipada, Sanabisal, Sharata, Badakhaladi,Nedam , Matihudi, Kukudagadi	15	27	42
Mayurbhanj	Khunta	2	Bholagodia , Bandhagada	4	6	10
Mayurbhanj	Kuliana	1	Charimania	21	30	51
Mayurbhanj	Sarskana	2	Kusanpur, Nuhamalia	16	24	40
Mayurbhanj	Shamakhunta	4	Ambdubi, Kisan dahi, Badkuldhia, Badakuchiamara,Gundihudi,Kakarpani	25	38	63
Mayurbhanj	Udala	1	Khaladi	5	6	11

12. Schedule caste Output & Outcome achievements

<i>Sl. No.</i>	<i>Indicator/Activities</i>	<i>Unit of Indicator</i>	<i>Achievements</i>
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1	Farmers, farm women trained by KVKs	Number	990
2	Extension personnel trained by KVKs	Number	123
3	On-farm trials conducted by KVKs	Number	7
4	Frontline demonstrations conducted by KVKs	Number	11
5	Quantity of seeds produced	Quintal	472.8
6	Planting materials Produced	Number	270812
7	Livestock strains and fingerlings produced	Number	-
8	Soil & water samples tested	Number	109

13. Information pertaining to ARYA Project

2020-21							
Name of KVK	Year since ARYA is initiated in the KVK (specify year)	No. of Training programs	No. of rural youth trained		No. of youth established units		No. of entrepreneurial units established
			M	F	M	F	

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

Natural Resource Management

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

Crop Management

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

Livestock and fisheries

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

[illegible][illegible][illegible]

15. Awards/Recognition received by the KVK

Award received by Farmers from the KVK district

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

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

18. 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
-	-	-	-	-	-	-	-

19. 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					

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

Phase	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
-	-	-	-	-	-
Total					

21. 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)
-	-	-	-

22. a) Information on ASCI Skill Development Training Programme, if undertaken during 2019-20 and 2020-21

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.)

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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	

23. Information on NARI Project (if applicable)- Not 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
-	-	-	-	-	-	-

24. Information on Krishi Kalyan Abhiyan Phase- I/ Phase-II/ Phase-III, if applicable-Not 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 benefitted									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 program	No. of Progra	Activities performed				No. of farmers benefitted				No. of other officials (except KVK)
		No. of	No. of	Feed/ nutrient	Any other	SC	ST	Others	Total	

me	mme	animals vaccinate d	animals deworme d	supplements provided (kg)	(Distribution of animals/ birds/ fingerlings) [No.]	M	F	M	F	M	F	M	F	T	attended the programme
KKA-I															
KKA-II															

D. Other activities

Name of program me	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	

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

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

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

28. SC SP quarter-wise

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-3 Q-4	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 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	
