

# ANNUAL PROGRESS REPORT 2025

(January 2025 to December 2025)



କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର  
कृषि विज्ञान केन्द्र  
**KRISHI VIGYAN KENDRA**  
**BARGARH**



**ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY**

Gambharipali, P.O.-Larambha, Dist-Bargarh, Odisha - 768102

**Annual Progress Report 2025**  
Krishi Vigyan Kendra, Bargarh.

*Chief Editor*

Mr Nrusingh Charan Barik, Senior Scientist & Head. (I/c)

*Editorial Board*

Mrs Susrita Sahu, Scientist, (Home Science)

Er. Sanghamitra Biswal, SMS (Agricultural Engineering)

Dr Rahul Dev Behera, SMS (Soil Science)

*Associate Editor*

Mr Deepankar Jena, Programme Assistant (Seed Science)

Mrs Prarthana Mohanty, Farm Manager

*Typing*

Mr. Sumant Kumar Jally, Steno-cum-Computer Operator

*Laying & Designing*

Mr. Sanat Kumar Meher, Programme Assistant (Computer)

*Printed*

Krishi Vigyan Kendra, Bargarh

*Contact:*

**Krishi Vigyan Kendra, Bargarh**

At – Gambharipali,

PO – Larambha,

Dist. – Bargarh

Pin – 768102

Odisha.

Email: kvkbaragarh.ouat@gmail.com,  
kvk.bargarh@ouat.ac.in

Web site: www.kvkbaragarh.org

# ANNUAL PROGRESS REPORT

(January 2025 to December 2025)

## 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	
Krishi Vigyan Kendra, At- Gambharipali, PO- Larambha, Dist. - Baragarh. Pin – 768102,Odisha	-	-	kvkbaragarh.ouat@gmail.com, kvk.bargarh@ouat.ac.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, Bhubaneswar, Odisha	0674- 2397362	0674-2397362	dee@ouat.ac.in deanextensionouat@yahoo.com deanextension_ouat@rediffmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Sri Nrusingh Ch. Barik	-	9437414979	ncbarik57@yahoo.com

1.4. Year of sanction of KVK:                      1992

1.5. Staff Position (as on 1<sup>st</sup> January, 2026)

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 (I/C)	Mr. Nrusingh Charan Barik	Scientist	Nematology	87,200 (Level – 10, Cell – 15)	22.07.2011	Temporary	OBC
2	Subject Matter Specialist	Mrs. Susrita Sahu	Scientist	Home Science	89,800 (Level – 10, Cell – 16)	06.06.2010	Temporary	OBC
3	Subject Matter Specialist	Mrs. Sanghamitra Biswal	Subject Matter Specialist	Agri. Engineering	69,000 (Level – 12, Cell – 8)	27.07.2022	Temporary	OBC
4	Subject Matter Specialist	Dr. Rahul Dev Behera	Subject Matter Specialist	Soil Science	69,000 (Level – 12, Cell – 8)	05.07.2023	Temporary	SC
5	Subject Matter Specialist	<b>Vacant</b>	-	-	-	-	-	-
6	Subject Matter Specialist	<b>Vacant</b>	-	-	-	-	-	-
7	Programme Assistant	Mr. Deepankar Jena	Programme Assistant	Seed Science	49,000 (Level – 9, Cell – 12)	06.02.2015	Temporary	Other
8	Computer Programmer	Mr. Sanat Kumar Meher	Programme Assistant	Computer	52,000 (Level – 9, Cell – 14)	06.02.2016	Temporary	OBC
19	Farm Manager	Mrs. Prarthana Mohanty	Farm Manager	Horticulture	49,000 (Level – 9, Cell – 12)	04.02.2019	Temporary	Other
9	Accountant / Superintendent	<b>Vacant</b>	-	-	-	-	-	-
11	Stenographer	Mr.Sumant Kumar Jally	Steno cum Comp. Operator	-	34,300 (Level – 7, Cell – 11)	14.02.2014	Temporary	SC
12.	Driver	Mr. AnirudhhaChhanda	Driver cum Mechanic	-	30,200 (Level – 5, Cell – 12)	23.07.2008	Temporary	OBC
13.	Driver	Mr. Jagannath Sahoo	Driver cum Mechanic	-	30,200 (Level – 5, Cell – 12)	23.05.2018	Temporary	OBC
14.	Supporting staff	<b>Vacant</b>	-	-	-	-	-	-
15.	Supporting staff	<b>Vacant</b>	-	-	-	-	-	-

## 1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1
2.	Under Demonstration Units	1
3.	Under Crops	9.5
4.	Orchard/Agro-forestry	5
5.	Others with details-pond	1
6.	Swampy land	1
7.	Residential area	1.5
	<b>Total</b>	<b>20</b>

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					√	373.08		ICAR
2.	Farmers Hostel					√	324.15		ICAR
3.	Staff Quarters (6)							not	
4.	Piggery Unit							not	
5	Fencing					√	7217ft		RKVY
6	Rain Water Harvesting Structure							not	
7	Threshing Floor					√	637.22		ICAR
8	Farm Godown					√	92.4		ICAR
9.	Dairy Unit					√	12		ICAR
10.	Poultry Unit							not	
11.	GoateryUnit							not	
12.	Mushroom Lab					√	27		RKVY
13.	Mushroom Production Unit					√	80.4		ICAR
14.	Shade House					√	99		RKVY
15.	Soil Test Lab					√	43.8		ICAR
16	Vermi compost Unit					√	80.4		ICAR
17	Plant Health Diagnostics Laboratory					√	42		ICAR

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
18	Pond					√	4000		ICAR
19	Conference Hall					√	116.2		ICAR
20	Internal Farm Road					√	475 sq.ft		ICAR
21	Irrigation Channel					√			

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

#### B) Vehicles

Type of Vehicle	Year of Purchase	Cost (Rs.)	Total KM. Run	Present Status
Bolero	2023	9,00,000	56784	Good
Tractor	2023	7,50,000	357 (Running Hours)	Good
Motor Cycle	2010	51,000	95,678	Good

#### C) Equipment & AV aids

Name of Equipment	Year of Purchase	Cost (Rs.)	Present Status	Source of Fund
<b>a. Lab Equipment</b>				
Digital Refractometer	2018	12669	Good	ICAR
Drying Cabinet (Solar )	2018	19898	Good	ICAR
A.C with Stabilizer	2018	67600	Good	ICAR
Crown Cap Sealing Machine (2nos)	2018	5900	Good	ICAR
VacuumSealingMachine	2018	1950	Good	ICAR
Food Processor	2018	4900	Good	ICAR
<b>b. Farm Machinery</b>				
Tractor	2023	420000	Good	ICAR
Power Tiller	2014	170000	Good	ICAR
Power Weeder	2017	85801	Good	ICAR
Power sprayer	2012	9400	Good	ICAR
Drum Seeder	2017	3000	Good	ICAR
Paddle Paddy Thresher	2017	6225	Good	ICAR
Power pulse thresher	2018	84375	Good	ICAR (Seed Hub )
Seed processing unit with gravityseparator	2018	1099674	Good	ICAR (Seed Hub )
Destoner	2018	152287	Good	ICAR (Seed Hub )

<b>Name of Equipment</b>	<b>Year of Purchase</b>	<b>Cost (Rs.)</b>	<b>Present Status</b>	<b>Source of Fund</b>
MandwaWeeder	2017	1080	Good	ICAR
Parboiling Drum	2017	5060	Good	Watershed Mission
Seed treating Drum	2017	3445	Good	Watershed Mission
Knapsack Sprayer	2017	2200	Good	Watershed Mission
Battery Operated Sprayer	2017	4410	Good	ICAR
Power Mist Blower	-	-	Good	ICAR
Brush Cutter	2018	27585	Good	ICAR
Hand Winnower	2017	4250	Good	Watershed Mission
Solar Pump	2018	14950	Good	ICAR
Fire extinguisher (2 Nos.)	2019	9912	Good	ICAR
<b>c. AV Aids</b>				
Laptop	2018	50000	Good	ICAR
Laptop	2022	35000	Good	ICAR
LCD Projector	2017	38500	Good	ICAR
LED TV	2018	38691	Good	ICAR
Projection Screen	2018	17900	Good	ICAR
Print Scan cum Copier	2018	14000	Good	ICAR
Solar Light	2018	20499	Good	ICAR
DSLR Digital Camera	2018	47806	Good	ICAR
Digital Camera	2017	14000	Good	ICAR

## D) Farm implements

<b>Name of equipment</b>	<b>Year of purchase</b>	<b>Cost (Rs.)</b>	<b>Present status</b>	<b>Source of fund</b>
Cultivator	-	-	Good	ICAR
Rotavator	2013	114000	Good	ICAR
M.B. Plough	2013	30,000	Good	ICAR
Zero till Seed cum Fertilizer Drill	2013	47500	Good	ICAR
Land Leveler	2014	19500	Good	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.	26.01.26	30	Promotion of non ragi millet crops.	<ul style="list-style-type: none"> <li>➤ Training imparted to 75 farmers(25FW) on ICM on little millet &amp; Kodo millet during Kharif 2025 through NGO - Ahnisa Club &amp; Bhatli Fruit &amp; Vegetable Producer Organization at village Nalichuan, Kharamal, Paikamal.</li> <li>➤ OFT on Assessment of Value added product of Millets (Millet bar)conducted during Kharif 2025 mixing pearl millet, sorghum along with fingermillet at Katapali and Ainlapali village involving seven farmers.</li> </ul>	
2			Popularization of vegetable transplanter	<ul style="list-style-type: none"> <li>➤ FLD on Demonstration of Single row vegetable Manual transplanter conducted during Rabi 2025-26 at Balijuri,Bhatli block involving 60farmers.</li> <li>➤ Training imparted to 30 farmers on use &amp; maintenance of Single row vegetable Manual transplanter conducted during Rabi 2025(Dt.13.11.2025) at village-Lahanda ,Attabira block.</li> </ul>	
3			Create awareness among school children on prospectus of agriculture and establishment of nutritional garden.	<ul style="list-style-type: none"> <li>➤ Awareness camp on prospectus of agriculture was made for 255 School students in 6 batches followed by visit to nutritional garden demo units.</li> <li>➤ Training imparted to 25 Anganwadi workers(10.11.2025) of Ambabhona &amp; Attabira block on establishment nutritional garden at their anganwadi centre</li> </ul>	
4			Crop diversification of paddy areas with non-paddy crops	<ul style="list-style-type: none"> <li>➤ 50 kg Cowpea var. Arka Mangala from IIHR, Bengalure provided to 100 farmers of Gopalpur and Birmal block.(18.11.2025)</li> <li>➤ Training imparted to 75 farmers on ICM in Finger millet/160 farmers on IPM sessamum, 90 farmers on ICM Sunflower</li> <li>➤ 2 qtls of Mustard var.Sushree provided to 152 farmers of village Dupalpalli, Dechuan, Pada &amp; Bhatli during Rabi</li> <li>➤ 2.5 qtls of Sessame var.Kalinga Sessamum-1 provided to 150 farmers of village Mahulpalli,Ambamunda of Padmapur block &amp; Bhatli during Kharif 2025.</li> <li>➤ FLD on Management of YMV disease in Greengram, IPM strategies against tobacco caterpillar (<i>Spodoptera litura</i>) in Groundnut,&amp; in Mustard , application of bio consortia on rapeseed, Sulphur &amp; Lime application in <i>Kharif</i> Groundnut, INM in sesamum conducted in 50 farmers field to enhance yield of different non paddy crops</li> </ul>	
5			Capacity building programme on prevention of early chick mortality	<ul style="list-style-type: none"> <li>➤ 500 leaf lets printed on Brooding Management of poultry (Kukda chian ra jatna)birds and distributed to 500 farmers during Dist. Level Matsya o Prani sampad mela- 2025.</li> <li>➤ FLD on Demonstration on low input technology (LIT) poultry breed Vezaguda in backyard conducted during 2025-26 at village Udepur&amp;Ainapalli of Bheden block and Karmitikira of Attabira block involving 20 farmers.</li> </ul>	

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
				➤ Training imparted to 20 farmers of 4 blocks under VOTI programme(06.11.2025) and 15 rural farm women of village Umradi, Gaisilot block on poultry management	
6			Expansion of maize area	<ul style="list-style-type: none"> <li>➤ 1 qtls of Maize seeds var. DMRH-1308 from IIMR,125-145days duration,yield 60q/ha,procured from NSC provided to 60 farmers of village Birmal,Podapalli of Baragrh during Current Rabi Season.</li> <li>➤ Training imparted to 75 farmers on ICM in Maize at Baragrh.</li> <li>➤ Awareness camp conducted for 200 farmers to increase area under Maize</li> </ul>	
7			Training on organic farming to reduce fertilizer consumption.	<ul style="list-style-type: none"> <li>➤ 1 qtls of Dhanicha seeds provided to 60 farmers of village Cheptibahal of Shohella&amp;Antaradi of Ambabhona block during Kharif.</li> <li>➤ Training imparted to 175 farmers&amp;Farm women on preparation of Botanicals.</li> <li>➤ Awareness camp conducted for 200 farmers to increase area under Greenmanuring crops like Dhanicha and Sunhemp</li> <li>➤ 40 CRP Members were trained on preparation of inputs from local resources.</li> <li>➤ 2000 booklets on jaibik krushi printed and distributed to farmers.</li> <li>➤ Training on Vermicompost preparation provided to 90 farmers</li> <li>➤ Awareness made to 700 farmers during Kharif campaign.</li> </ul>	
8			Training on mat type of nursery for popularization of self-propelled paddy transplanter	<ul style="list-style-type: none"> <li>➤ Trainings on Self employment through agro service centre with self-propelled paddy trans planter imparted to 90 Rural youths at KVK Campus during last Kharif and present rabi Season in collaboration with MF Tractor company.</li> <li>➤ Demonstration made in 5 villages covering 5 hectare area and 25 farmers in Remenda Thuapalii village ,Bheden Block.</li> </ul>	
9			Focus to reduce soil acidity.	<ul style="list-style-type: none"> <li>➤ Training was given to 330 no. of beneficiaries on acid soil management under soil Health Campaign.</li> <li>➤ FLD on Demonstration on Sulphur &amp; Lime application in <i>Kharif</i> Groundnut(Borax @ 5 kg/ha + Zn @ 10kg/ha) Conducted in 2.5ha area at Nagaon- Shohella.</li> <li>➤ Awareness has also imparted on Integrated Nutrient Management &amp;soil Health Management imparted to 250 Farmers on World soilday2025.</li> </ul>	
10			To promote OUAT developed consortia	<ul style="list-style-type: none"> <li>➤ 100 Kg of OUAT Consortia procured from Dept. of Soil Science and Ag . Chemistry provided for seed treatment in Sunflower at village Kunda khai, Birmal of Gaisilot Block for future spread.</li> <li>➤ Training imparted 150 farmers on incubation of consortia with FYM to get higher effectiveness in fields of Padmapur, Mahulapalli ,Bargaon under CFLD Kharif 2025</li> </ul>	

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
11			Use of micro nutrient in ragi	<ul style="list-style-type: none"> <li>➤ Training was given to 125 no. of beneficiaries on Use of micro nutrient in ragi</li> <li>➤ Awareness camp made for 600 farmers during Kharif Campaign</li> <li>➤ 50 kg Born 20% and 200kg of Zn So4 supplied and applications were demonstrated under SCSP programme.</li> </ul>	
12			Training on production of vermicompost &vermi-wash for NGO &Inservice personnel	<ul style="list-style-type: none"> <li>➤ Training was given to 200 no. of beneficiaries on production of vermicompost</li> <li>➤ Awareness camp made for 400 farmers during Kharif Campaign on vermiwash production</li> <li>➤ Input assistance like 20Vermibeds,25kg Verms supplied to Five SHG groups for establishment of Vermicompost Unit</li> </ul>	
13			Involvement of SRF new staffs in demonstration & training of KVK	<ul style="list-style-type: none"> <li>➤ Four VAWs participated in on –campus training programme on use of self propelled 4-row rice transplanter for 2 days.</li> </ul>	
14			Popularization of Seed cum fertilizer drill in each block	<ul style="list-style-type: none"> <li>➤ Pigeon pea var. LRG-52&amp; Mustard var.Sushree sown by Seed cum Fertilizer drill in 80 ha area under (Seed Hub) project at Bara,Bhukta&amp;Prakashpur of Ambabhona Block in 160 farmers field.</li> <li>➤ Training was given to 175 no. of beneficiaries including 45 IS Personnel on Farm Mechanization</li> <li>➤ FLD on Demonstration of tractor drawn seed cum fertilizer drill for Mustard Conducted in 2.5ha area at Bada darlipalii,village Ambabhona Block. &amp;Groundnut in 25 hactre area in Bargarh Block.</li> <li>➤ Rice Sowing by Seed cum Fertilizer drill has been demonstrated in 3 villages in 12 farmers field at Nalichuan. Bhatli ,Bhoitikira-Barpalli</li> <li>➤ Two Radio Talks given by this centre at AIR Sambalpur one in Kharif and Rabi Season.</li> </ul>	
15			Establishment of crop cafeteria based on natural farming at KVK Campus	<ul style="list-style-type: none"> <li>➤ Intercropping Mango + Turmeric var.Roma was done in one acre area at KVK campus</li> <li>➤ Local Rice <i>Jhuli</i> was demonstrated in 0.1 acre land following NF Practices at KVK farm.</li> <li>➤ One Bio-input demo unit was established at KVK Campus for training and production.</li> </ul>	

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

Sl. no.	Item	Information
1	Major Farming system/enterprise	Paddy-Paddy, Paddy-Pulse, Paddy-oilseed, Paddy-vegetables-vegetables, Paddy-Fallow, Dairy, Poultry, Mushroom, NTFP
2	Agro-climatic Zone	West Central Table Land
3	Agro ecological situation	<ul style="list-style-type: none"> <li>• Plain Land Irrigated</li> <li>• Plain Land Rainfed</li> <li>• Undulating Plain Drought-prone</li> <li>• Undulating Sub-mountainous Tract Rainfed</li> </ul>
4	Soil type	Red & Yellow, Lateritic, Black soil
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others (q/ha.)	Paddy-45.3 (K), Paddy-68.0 (R), Greengram-3.0(K), Greengram-6.16( R), Groundnut-17.5 (K), Groundnut-24 (R), Wheat-14.7, Maize-33.0, Blackgram-2.75, Pigeonpea-11.5, Mustard-8.75, Sesamum-2.1, Potato-103.5, Brinjal-220, Chilli-65Mango-52.2, Banana-18.3
6	Mean yearly temperature, rainfall, humidity of the district	14-43 <sup>o</sup> c, 1367.3mm, 74%
7	Production of major livestock products like milk, egg, meat etc.	Milk-45700MT, Meat-16400 MT, Egg-70.94 million

Note: Please give recent data only

## 2.b. Details of operational area / villages (2022-23)

Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Cheptibahal	2022	Sohela	55	450	84
Dechuan	2022	Ambabhona	79	237	73
Birmal	2022	Bargarh	49	2295	381
Ammunda	2022	Padampur	68	592	110
Jhiliminda	2022	Attabira	08	2546	421

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	Bargarh	Sohela	Cheptibahal	Paddy, Sesamum, Jackfruit Vegetables	<ul style="list-style-type: none"> <li>• Low yield due to injudicious use of fertilizer application &amp; low organic matter content</li> <li>• Yield loss due to High incidence of White fly causing wide spread of YVMV Disease</li> <li>• Poor price realization from whole Tender Jackfruit</li> <li>• Poor yield of Kharif tomato due to attack of Early Blight Disease</li> <li>• Low yield of Cauliflower due to only application of chemical fertilizers only</li> <li>• Low yield due to improper nutrient management in Onion</li> <li>• Low yield due to improper nutrient management in Sesamum</li> </ul>	<ul style="list-style-type: none"> <li>• ICM in paddy</li> <li>• IDM in okra</li> <li>• . Value addition of Jackfruit</li> <li>• IDM in Tomato</li> <li>• INM in Cauliflower</li> <li>• INM in Onion</li> <li>• INM in Sesamum</li> </ul>
2	Bargarh	Ambabhona	Dechuan	Paddy, Groundnut, Sesamum, Vegetables,	<ul style="list-style-type: none"> <li>• Water shortage in rainfed regions</li> <li>• Low yield of Pumpkin due to heavy infestation of foliar diseases</li> <li>• Low yield of kharif rice due to infestation of BLB diseases</li> <li>• Low yield of Rice due to infestation of YSB during Rabi season</li> <li>• Poor yield of Kharif tomato due to attack of Early Blight Disease</li> <li>• Low yield of Kharif groundnut due to poor soil fertility</li> <li>• Low yield due to improper nutrient management in Sesamum</li> </ul>	<ul style="list-style-type: none"> <li>• Soil-water conservation in tomato-radish sequence</li> <li>• IDM in Pumpkin</li> <li>• Varietal evaluation of paddy</li> <li>• IDM in paddy</li> <li>• IDM in Tomato</li> <li>• INM in Kharif Groundnut</li> <li>• INM in Sesamum</li> </ul>
3	Bargarh	Bargarh	Birmal	Paddy, Millets Groundnut Vegetables,	<ul style="list-style-type: none"> <li>• Labour intensive, Drudgery prone and time-consuming operation in manual weeding</li> <li>• Low yield of Pumpkin due to heavy infestation of foliar diseases</li> <li>• Low yield of Ground nut due to infestation of tobacco caterpillar during Rabi season</li> <li>• Poor yield of Kharif tomato due to attack of Early Blight Disease</li> <li>• Low yield of Cauliflower due to only application of chemical fertilizers only</li> <li>• Low yield due to improper nutrient management in Onion</li> <li>• Low income from millets due to poor knowledge &amp; skill on value addition</li> <li>• High cost of Labour and time consuming in vegetable</li> </ul>	<ul style="list-style-type: none"> <li>• Farm-Mechanization in Paddy</li> <li>• IDM in Pumpkin</li> <li>• IPM in Groundnut</li> <li>• IDM in Tomato</li> <li>• INM in Cauliflower</li> <li>• INM in Onion</li> <li>• Value addition of Millet</li> <li>• Farm-Mechanization in Paddy</li> <li>• Farm-Mechanization in vegetables</li> </ul>

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
					<p>transplanting</p> <ul style="list-style-type: none"> <li>• Labour scarcity for paddy transplanting</li> </ul>	
4	Bargarah	Padampur	Ammunda	Paddy, Millet, Groundnut, vegetable	<ul style="list-style-type: none"> <li>• Low income from millets due to poor knowledge &amp; skill on value addition</li> <li>• Labour intensive, Drudgery prone and time consuming operation in manual weeding</li> <li>• Low yield of onion due to heavy infestation of purple blotch disease in onion</li> <li>• Low yield of Pumpkin due to heavy infestation of foliar diseases</li> <li>• Low yield of kharif rice due to infestation of BLB diseases</li> <li>• Low yield of Ground nut due to infestation of tobacco caterpillar during Rabi season</li> <li>• Low yield of Cauliflower due to only application of chemical fertilizers only</li> <li>• Low yield due to improper nutrient management in Onion</li> <li>• Poor yield and quality of tuberose flowers</li> </ul>	<p>Value addition of Millet</p> <ul style="list-style-type: none"> <li>• Farm-Mechanization in Paddy</li> <li>• IDM in Onion</li> <li>• IDM in Pumpkin</li> <li>• Varietal evaluation of paddy</li> <li>• IPM in Groundnut</li> <li>• INM in Cauliflower</li> <li>• Varietal evaluation of tuberose</li> </ul>
5	Bargarah	Attabira	Jhiliminda	Paddy, vegetables, Papaya Poultry	<ul style="list-style-type: none"> <li>• Poor price realization from whole Tender Jackfruit</li> <li>• Labour intensive, Drudgery prone and time-consuming operation in manual weeding</li> <li>• Low yield of kharif rice due to infestation of BLB diseases</li> <li>• Low yield of Rice due to infestation of YSB during Rabi season</li> <li>• Poor yield and quality of tuberose flowers</li> <li>• Less profit from poultry farming</li> <li>• Distress sale and spoilage due to high perishability of tomato.</li> <li>• High cost of Labour and time consuming in transplanting</li> <li>• Labour scarcity for transplanting in paddy</li> <li>• High cost of Labour and time involved in spraying</li> <li>• Poor price realization from sale of papaya</li> </ul>	<ul style="list-style-type: none"> <li>• Value addition of Jackfruit</li> <li>• Farm-Mechanization in Paddy</li> <li>• IDM in Pumpkin</li> <li>• Varietal evaluation of paddy</li> <li>• IDM in paddy</li> <li>• Varietal evaluation of tuberose</li> <li>• Poultry rearing management</li> <li>• Value addition in tomato</li> <li>• Farm-Mechanization in Paddy</li> <li>• Farm-Mechanization in vegetables</li> <li>• Farm-Mechanization in spraying</li> <li>• Value addition in papaya</li> </ul>

## 2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2023-24) for its development and action plan

Name of village	Block	Action taken for development
Cheptibahal	Sohela	• FLD, OFT, CFLD, Training, Soil Testing, Diagnostic Field Visit, Convergence programme with line Departments
Dechuan	Ambabhona	• FLD, OFT, CFLD, Training, Soil Testing, Diagnostic Field Visit, Convergence programme with line Departments
Birmal	Bargarh	• FLD, OFT, CFLD, Training, Soil Testing, Diagnostic Field Visit, Convergence programme with line Departments
Ammunda	Padampur	• FLD, OFT, CFLD, Training, Soil Testing, Diagnostic Field Visit, Convergence programme with line Departments
Jhiliminda	Attabira	• FLD, OFT, CFLD, Training, Soil Testing, Diagnostic Field Visit, Convergence programme with line Departments

## 2.1 Priority thrust areas

1.	Introduction of suitable varieties with improved packages of practices
2.	Organic farming
3.	Reclamation of degraded land
4.	Integrated Nutrient Management practices
5.	Integrated Disease and Pest Management Practices
6.	Quality seeds and seedlings production
7.	Skill/enterprise related technology for rural youths
8.	Value addition in seasonal vegetables
9.	Integrated farming system
10.	Rearing management of animals & birds
11.	Farm Mechanization
12.	Off season vegetable cultivation
13 .	High degree of drudgery of farm women
14	Poor nutritional status of farming community

### 3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD												
No. of technologies tested:												No. of technologies demonstrated:												
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers										
Target	Achievement	Target	Achievement										Target	Achievement	Target	Achievement								
			SC		ST		Others		Total			SC				ST		Others		Total				
			M	F	M	F	M	F	M	F	T	M				F	M	F	M	F	M	F	T	
9	9	63	9	4	6	2	34	8	49	14	63	18	18	180	37	42	19	9	44	28	100	80	180	

\* This will be one if conducted in one village. (Please add rows if required)

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	
75	78	1700	29	19	7	19	64	36	101	74	176	1550	1558	11000	2112	452	1204	236	7786	1451	1110	2139	1324	
			2	5	3	6	0	5	2	9	1			00	5	3	3	2	2	1	30	6	26	

Impact of capacity building											Impact of Extension activities										
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
1700	1761	22	16	5	17	62	28	90	62	152	110000	13242	2083	446	1198	225	7769	1439	11050	2111	13162
		3	4	6	2	7	5	6	1	7	0	6	2	7	3	8	4	2	9	7	6

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
Bina dhan-11 (Rabi 2024) 2ha	70	100000	110000
Hasanta (Kharif 2025-26)	170		
Lalat (Rabi-2025-26)	Crop in field		

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
0.005	0.005	0.005	0.005

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		4	5.1			
Seminar/conference/ symposia papers	1					1	
Books							
Bulletins	2						
News letter	1	500					
Popular Articles							
Book Chapter	1						
Extension Pamphlets/ literature							
Technical reports	3						
Electronic Publication (CD/DVD etc)	2						
TOTAL							

### 3.1 Achievements on technologies assessed and refined

#### Summary of On-farm Testing (OFT) conducted

Title of OFT (On-farm Testing)	No. of trials	No. of technologies tested	No. of locations*	No. of farmers involved
Assessment of standardization of NPK dose in medium land rice	7	2	3	7
Assessment of nutrient management in rice	7	2	2	7
Assessment of Efficacy of biopesticides for the management of <i>M. incognita</i> affecting Okra	7	2	3	7
Assessment of management practices against fruit fly in Bitter gourd	7	2	2	7
Assessment of Integrated Management of Sucking pest causing YVMV in Okra	7	2	3	7
Assessment of processing and packaging methods of tender jackfruit.	7	2	2	7
Assessment of value-added products of millets (Millet Bar) for income generation	7	2	2	7
Assessment of Wet Land Power Weeders in Paddy	7	2	3	7
Assessment of puddled rice with different water saving irrigation method	7	3	3	7

## OFT-1

1.	Title of On farm Trial	Assessment of standardization of NPK dose in medium land rice
2.	Problem diagnosed	Low yield due to inadequate supply of nutrients to crop
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP : NPK @ 80:40:40 kg/ha + 5 t FYM/ha TO1 : NPK @ 80:40:60 kg/ha + 5 t FYM/ha TO2 : NPK @ 100:50:50 kg/ha + 5 t FYM/ha
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Ouat, 2019-20 (LTFE),RRTTS Bhubaneswar 2024
5.	Production system and thematic area	Rice-Rice, Irrigated medium land
6.	Performance of the Technology with performance indicators	No of tillers, test weight, yield, income & B : C ratio
7.	Final recommendation for micro level situation	TO2 : NPK @ 100:50:50 kg/ha + 5 t FYM/ha
8.	Constraints identified and feedback for research	Due to soil acidity problem avoid only application of chemical source and must apply organic source of fertilizer with lime
9.	Process of farmers participation and their reaction	Farmers were well satisfied with the technology

### *Thematic area:* Nutrient management

Problem definition: Low yield due to inadequate supply of nutrients to crop

Technology assessed: FP : NPK @ 80:40:40 kg/ha + 5 t FYM/ha  
TO1 : NPK @ 80:40:60 kg/ha + 5 t FYM  
TO2 : NPK @ 100:50:50 kg/ha + 5 t FYM/ha

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 effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP : NPK @ 80:40:40 kg/ha + 5 t FYM/ha	7	243	-	20.4	-	43.6	57100	95178	38078	1.66
TO1 : NPK @ 80:40:60 kg/ha + 5 t FYM	7	264	-	22.3	-	46.8	58300	102164	43864	1.75
TO2 : NPK @ 100:50:50 kg/ha + 5 t FYM/ha	7	<b>285</b>	-	<b>22.9</b>	-	<b>48.1</b>	<b>59700</b>	<b>105002</b>	<b>45302</b>	<b>1.76</b>



## OFT - 2

1.	Title of On farm Trial	<b>Assessment of nutrient management in rice</b>
2.	Problem diagnosed	Low yield due to injudicious use of fertilizer application & low organic matter content
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP : Application of chemical fertilizers only N:P:K (80:40:40) + 5 t FYM/ha TO1 : 100 % NPK as per soil test (100:50:40) TO2 :(50 % N+100 % PK) as per soil test + Green Manure ( <i>Sesbania aculuta</i> )
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	
5.	Production system and thematic area	Rice-Rice, Irrigated medium land
6.	Performance of the Technology with performance indicators	No of tillers, test weight, yield, income & B : C ratio
7.	Final recommendation for micro level situation	TO2 :(50 % N+100 % PK) as per soil test + Green Manure ( <i>Sesbania aculuta</i> )
8.	Constraints identified and feedback for research	Due to deficiency of micronutrients Borax and Zinc sulphate may be added in the nutrient management programme
9.	Process of farmers participation and their reaction	Farmers were well satisfied with the technology

### *Thematic area:* Nutrient management

Problem definition: Low yield due to injudicious use of fertilizer application & low organic matter content

Technology assessed:

FP: Application of chemical fertilizers only N:P: K (80:40:40) + 5 t FYM/ha  
TO1: 100 % NPK as per soil test (100:50:40)  
TO2 :(50 % N+100 % PK) as per soil test + Green Manure (*Sesbania aculuta*)

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 effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	7	252	-	21.2	-	42.8	73800	132680	58880	1.79
TO1	7	273	-	22.8	-	46.9	76600	145390	68790	1.89
<b>TO2</b>	<b>7</b>	<b>281</b>	-	<b>23.4</b>	-	<b>48.6</b>	<b>78200</b>	<b>150660</b>	<b>72460</b>	<b>1.92</b>

Results:



## OFT - 3

1.	Title of On farm Trial	<b>Assessment of Efficacy of biopesticides for the management of <i>M. incognita</i> affecting Okra</b>
2.	Problem diagnosed	Low yield of Okra due to Nematode Infestation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers' practice: Seed treatment with <i>T.viride</i> @5gm/kg seed TO1::Seed treatment with <i>P. lilacinum</i> @ 5 ml/kg + application of vermicompost @ 2.5 ton/ha enriched with <i>P. lilacinum</i> (@ 10 ml/kg) TO2::Seed treatment of okra with liquid formulation of <i>Bacillus pumilus</i> 1% A.S @ 10 ml/kg seed and application of 20 tons of FYM enriched with <i>B. pumilus</i> @ 5 lit
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on Nematodes, BBSR,2018
5.	Production system and thematic area	Vegetable-Vegetable, Integrated Nematode Management
6.	Performance of the Technology with performance indicators	Fruit Yield(q/ha), Disease index, % of affected plants 45 DAS, Net Return,B:C
7.	Final recommendation for micro level situation	Seed treatment with <i>P. lilacinum</i> @ 5 ml/kg + application of vermicompost @ 2.5 ton/ha enriched with <i>P. lilacinum</i> (@ 10 ml/kg) can effectively manage <i>M. incognita</i> affecting Okra
8.	Constraints identified and feedback for research	Availability of biopesticide <i>P. lilacinum</i> in local market . Cheapest way of mass Production of biopesticide at farmers level
9.	Process of farmers participation and their reaction	Active participation of farmers through group meeting . Farmers are more reliable on locally available resources and can adopt biopesticide gradually.

*Thematic area: Integrated Disease Management*

Problem definition: Poor growth and fruit quality & yield of Okra due to Nematode infestation

Technology assessed:

Farmers' practice :Seed treatment with *T.viride*@5gm/kg seed

TO1::Seed treatment with *P. lilacinum* @ 5 ml/kg + application of vermicompost @ 2.5 ton/ha enriched with *P. lilacinum*(@ 10 ml/kg)

TO2::Seed treatment of okra with liquid formulation of *Bacillus pumilus* 1% A.S @ 10 ml/kg seed and application of 20 tons of FYM enriched with *B. pumilus* @ 5 lit

.

Results:  
Table:

Technology option	No. of trials	Yield component			Gross cost of intervention (Rs)	Gross return (Rs/)	Net return (Rs./k.g)	BC ratio
		Fruit Yield (q/ha)	Disease index	% of affected plants 45 DAS				
FP-	7	82.7	3.5	9.32	76500	124050	47550	1.62
TO1-	7	101.2	0.7	3.27	77200	151800	74600	1.96
TO2-	7	94.5	2.4	4.57	78300	141750	63450	1.81



## OFT - 4

1.	Title of On farm Trial	<b>Assessment of management practices against fruit fly in Bitter gourd</b>
2.	Problem diagnosed	<b>Low yield of Bitter gourd due to severe Fruit fly Infestation</b>
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP-Spraying of Chlorocyper @2ml/lit twice at 45&60 DAS TO <sub>1</sub> : Soil application of Chlorpyriphos 1.5% dust @ 25kg/ha at 30 DAS, application of poison baits (Jaggery 100gm + Cartap hydrochloride 2g + water 1.0L) at 30 DAS, Cuelure @ 20 nos. /ha. at 30 DAS, Periodical removal of damaged fruits TO <sub>2</sub> : Placement of Food bait @ 20 nos./ha (mixture of 1kg cucumber pulp + 50g jaggery, 100 ml cow urine, 0.5L of water soaked overnight & diluted to 05L + 10 ml Malathion) at 20 DAS, installation of Cuelure @ 25 nos. /ha and spraying of Spinosad 45% SC @ 200 ml/ha twice at 45 & 60 DAS
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TO <sub>1</sub> .Source : RRTTS, Ranital, OUAT, 2019 TO <sub>2</sub> .Source : RRTTS, BBSR, OUAT, 2022-23
5.	Production system and thematic area	Vegetable-Vegetable,IPM
6.	Performance of the Technology with performance indicators	Fruit Yield (q/ha), Av.Fruit size(gm), % of affected Fruits 90DAS, Net Return,B:C
7.	Final recommendation for micro level situation	Soil application of Chlorpyriphos 1.5% dust @ 25kg/ha at 30 DAS, application of poison baits (Jaggery 100gm + Cartap hydrochloride 2g + water 1.0L) at 30 DAS, Cuelure @ 20 nos. /ha. at 30 DAS, Periodical removal of damaged fruits can effectively manage <b>damage caused by fruit fly in Bitter gourd.</b>
8.	Constraints identified and feedback for research	Less availability of lure in local market . Fixing lure and preparation of baits are time taking at farmers level
9.	Process of farmers participation and their reaction	Active participation of farmers through group meeting . Farmers are more reliable on locally available resources and can adopt cultural practices gradually.

*Thematic area: Integrated Pest Management*

Problem definition: **Low yield of Bitter gourd due to severe Fruit fly Infestation**

Technology assessed:

FP-Spraying of Chlorocyper @2ml/lit twice at 45&60 DAS

TO<sub>1</sub>: Soil application of Chlorpyriphos 1.5% dust @ 25kg/ha at 30 DAS, application of poison baits (Jaggery 100gm + Cartap hydrochloride 2g + water 1.0L) at 30 DAS, Cuelure @ 20 nos. /ha. at 30 DAS, Periodical removal of damaged fruits

TO<sub>2</sub>: Placement of Food bait @ 20 nos./ha (mixture of 1kg cucumber pulp + 50g jaggery, 100 ml cow urine, 0.5L of water soaked overnight & diluted to 05L + 10 ml Malathion) at 20 DAS, installation of Cuelure @ 25 nos. /ha and spraying of Spinosad 45% SC @ 200 ml/ha twice at 45 & 60 DAS

Results:

Table:

Technology option	No. of trials	Yield component			Grosscost of intervention (Rs)	Gross return (Rs)	Net return (Rs.)	B:C ratio
		Fruit Yield (q/ha)	Av.Fruit size(gm)	% of affected Fruits 90DAS				
FP-	7	97.3	109.7	22.12	80300	243250	162950	3.02
TO1-	7	125.6	122.5	7.12	89500	314000	224500	3.50
TO2-	7	109.8	118.3	8.56	91200	274500	183300	3.01



## OFT-5

1.	Title of On farm Trial	<b>Assessment of Integrated Management of Sucking pest causing YVMV in Okra</b>
2.	Problem diagnosed	<b>Yield loss due to High incidence of White fly causing wide spread of YVMV Disease</b>
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP-Spraying of Imidachloprid 1.8SL @0.5ml/lit twice at 45&60 DAS TO.1- Seed Treatment with Imidacloprid 600 FS @ 5 ml/ Kg of seed, Installation of Yellow Sticky Trap @ 50 / ha and spraying Afidopyropen 50 G/L DC @1000ml/ha and <u>Azadiractin300ppm@2.5l/ha at 10 -15 days interval starting from 30DAS</u> AAU,Anand ,2022 TO-2- Seed Treatment with Imidacloprid 600 FS @ 5 ml/ Kg of seed, Installation of Yellow Sticky Trap @ 50 / ha and alternate spraying of Tolfenpyrad 15% EC @1000ml/ha and <u>Azadiractin300ppm@2.5l/ha at 10 -15 days interval starting from 30DAS</u>
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TO.1-AAU,Anand ,2022 TO-2-RVSKVV,Gwalior,2021
5.	Production system and thematic area	Vegetable-Fallow,IPM
6.	Performance of the Technology with performance indicators	Fruit Yield(q/ha), Disease index, % of affected plants 45 DAS, Net Return,B:C
7.	Final recommendation for micro level situation	Seed Treatment with Imidacloprid 600 FS @ 5 ml/ Kg of seed, Installation of Yellow Sticky Trap @ 50 / ha and alternate spraying of Tolfenpyrad 15% EC @1000ml/ha and <u>Azadiractin300ppm@2.5l/ha at 10 -15 days interval starting from 30DAS</u> can overcome sucking pest attack causing YVMV disease in Okra.
8.	Constraints identified and feedback for research	Less availability of YST in local market .
9.	Process of farmers participation and their reaction	Active participation of farmers through group meeting . YST attracts sucking pests that are clearly visible to Farmers and are more interested for it.

*Thematic area: Integrated Pest Management*

**Problem definition: Yield loss due to High incidence of White fly causing wide spread of YVMV Disease**

Technology assessed:

. FP-Spraying of Imidachloprid 1.8SL @0.5ml/lit twice at 45&60 DAS

TO.1- Seed Treatment with Imidacloprid 600 FS @ 5 ml/ Kg of seed, Installation of Yellow Sticky Trap @ 50 / ha and spraying Afidopyropen 50 G/L DC @1000ml/ha and Azadiractin300ppm@2.5l/ha at 10 -15 days interval starting from 30DAS

TO-2- Seed Treatment with Imidacloprid 600 FS @ 5 ml/ Kg of seed, Installation of Yellow Sticky Trap @ 50 / ha and alternate spraying of Tolfenpyrad 15% EC @1000ml/ha and Azadiractin300ppm@2.5l/ha at 10 -15 days interval starting from 30DAS

Results:

Table:

Technology option	No. of trials	Yield component			Grosscost of intervention (Rs)	Gross return (Rs)	Net return (Rs.)	B:C ratio
		Fruit Yield (q/ha)	Disease Index	% of affected Fruits 90DAS				
FP-	7	79.1	3.7	39.75	70500	158200	87800	2.24
TO1-	7	102.1	2.5	13.35	79600	204200	124600	2.56
TO2-	7	107.6	1.8	9.41	79300	215200	135900	2.71



## OFT - 6

1.	Title of On farm Trial	<b>Assessment of processing and packaging methods of tender jackfruit.</b>
2.	Problem diagnosed	Poor price realization from whole Tender Jackfruit
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers' practice: Direct selling of whole Tender Jackfruit TO1- Peeling of Jackfruit ,cutting into pieces and packaging in polyethene TO2- Surface cleaning / dirt removal by washing, Peeling and cutting into pieces. Dipping in 0.5% (w/v) Citric acid and 0.1% ascorbic acid for 7 minutes, surface drying and packaging in punnet pack or PP pouch with 0.0675% perforation and refrigerated storage at 10 <sup>0</sup> C
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on PHET-2016-17
5.	Production system and thematic area	Homestead & Value addition
6.	Performance of the Technology with performance indicators	Shelf Life (Days), Sensory Evaluation
7.	Final recommendation for micro level situation	The shelf-life of jackfruit can be enhanced by treating with citric acid & ascorbic acid.
8.	Constraints identified and feedback for research	Poor availability of chemicals in the local market.
9.	Process of farmers participation and their reaction	Actively participated in processing & packaging of jackfruit. The shelf life of the jackfruit & farm-women were happy by getting more profit from it as this process attracted more consumer in the market

*Thematic area:* Value addition

Problem definition: Poor price realization from whole Tender Jackfruit

Technology assessed:

Farmers' practice: Direct selling of whole Tender Jackfruit

TO1- Peeling of Jackfruit by knife/ paniki, cut into pieces and packaging in polyethene

TO2- Surface cleaning / dirt removal by washing, Peeling and cutting into pieces. Dipping in 0.5% (w/v) Citric acid and 0.1% ascorbic acid for 7 minutes, surface drying and packaging in punnet pack or PP pouch with 0.0675% perforation and refrigerated storage at 10<sup>0</sup> C

Results:

Table:

Technology option	No. of trials	Yield component		Gross cost of intervention (Rs/ 10 k.g)	Gross return (Rs/ 10 k.g)	Net return (Rs./ 10 k.g)	BC ratio
		Sensory evaluation (9 point hedonic scale)	Shelf life (Days)				
FP-	7	3.4	3	150	200	50	1.33
TO1-	7	5.5	1	236	400	164	1.69
TO2-	7	7.8	6	280	500	220	1.78



## OFT - 7

1.	Title of On farm Trial	<b>Assessment of value-added products of millets (Millet Bar) for income generation</b>
2.	Problem diagnosed	<b>Low income from millets due to poor knowledge &amp; skill on value addition</b>
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Direct selling of whole Tender Jackfruit TO1- Preparation of millet bar from roasted fingermillet-20gm., roasted pearl millet—20gm., puffed sorghum-30gm., roasted bengalgram-20gm. roasted groundnut-10gm., jaggery-40gm TO2- Preparation of beta-carotene enriched millet bar from roasted fingermillet-20gm., roasted pearl millet-20gm., puffed sorghum-30gm., roasted bengalgram-20gm. roasted groundnut-10gm., jaggery-40gm, beta carotene enriched mango -40gm.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Community Sc. and research Institute, TNAU,2018-19
5.	Production system and thematic area	Homestead & Value addition
6.	Performance of the Technology with performance indicators	Shelf Life (Days), Sensory Evaluation
7.	Final recommendation for micro level situation	Beta-carotene enriched millet bar is Technically feasible, nutritionally beneficial & economically viable.
8.	Constraints identified and feedback for research	Availability of mango in throughout the year.
9.	Process of farmers participation and their reaction	Actively participated in preparation of Millet bar of jackfruit. Farm-women were happy by getting more profit from beta-carotene enriched millet bar as this attracted more consumer in the market due to its tangy taste.

*Thematic area:* Value addition

Problem definition: Poor price realization from whole Tender Jackfruit

Technology assessed:

Farmers' practice: Direct selling of whole Tender Jackfruit

TO1- Preparation of millet bar from roasted fingermillet-20gm., roasted pearl millet—20gm., puffed sorghum-30gm., roasted bengalgram-20gm. roasted groundnut-10gm., jaggery-40gm

TO2- Preparation of beta-carotene enriched millet bar from roasted fingermillet-20gm., roasted pearl millet-20gm., puffed sorghum-30gm., roasted bengalgram-20gm. roasted groundnut-10gm., jaggery-40gm, beta carotene enriched mango -40 gm.

Results:  
Table:

Technology option	No. of trials	Yield component		Gross cost of intervention (Rs/ k.g)	Gross return (Rs/ k.g)	Net return (Rs./ k.g)	BC ratio
		Sensory evaluation (9-point hedonic scale)	Shelf life (Days)				
FP-	7	4.71	18	90	175	85	1.94
TO1-	7	6.85	52	102	225	123	2.2
TO2-	7	7.57	44	116	275	159	2.37



## OFT - 8

1.	Title of On farm Trial	<b>Assessment of Wet Land Power Weeders in Paddy</b>
2.	Problem diagnosed	<b>Labour intensive, Drudgery prone and time consuming operation in manual weeding</b>
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP : Manual weeding TO1 : Weeding done by Mandwa Weeder TO2 : Weeding done by Wet Land Power Weeder
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on ESA, CAET, OUAT, 2011 & 2013
5.	Production system and thematic area	Yield (q/ha), growth parameters,
6.	Performance of the Technology with performance indicators	Weeding cost (Rs), Field capacity (ha/hr)
7.	Final recommendation for micro level situation	Wetland power weeder decreased weeding cost by 76 percentage
8.	Constraints identified and feedback for research	Operating wetland power weeder at field requires skill labour and can only be operated at initial crop establishment stage
9.	Process of farmers participation and their reaction	Farmers actively participated and encouraged the working of power weeder and were satisfied by the performance of it

### *Thematic area:*

Problem definition: **Labour intensive, Drudgery prone and time consuming operation in manual weeding**

Technology assessed: FP : Manual weeding

TO1 : Weeding done by Mandwa Weeder

TO2 : Weeding done by Wet Land Power Weeder

Table 1:

Technologies Assessed	No. of trails	OFT yield (Q/ha)	% increase in yield	Field capacity (ha/hr)	Weeding cost / ha	Economics		NR (Rs/ Ha)	B:C
						CC (Rs/Ha)	GR (Rs/ Ha)		
Farmers' practice: Manual weeding	7	38.5		0.006	11500	68800	111650	42850	1.6
TO1: Weeding done by Mandwa Weeder	7	39.7	3.1	0.03	5544	62844	115130	52286	1.83
TO2: Weeding done by Wet Land Power Weeder	7	42.7	10.9	0.075	2700	60000	123830	63830	2.06



## OFT - 9

1.	Title of On Farm Trial	<b>Assessment of puddled rice with different water saving irrigation method</b>
2.	Problem diagnosed	Water shortage in rainfed regions
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers' practice: continuous flooding TO1: Alternate wetting and drying (AWD) TO2: Irrigation at 3 days after disappearance (3-DAD)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIWM, Bhubaneswar, Annual Report 2018-19
5.	Production system and thematic area	Rice- Fallow & Soil water conservation
6.	Performance of the Technology with performance indicators	Yield (t/ha), moisture content, growth parameters
7.	Final recommendation for micro level situation	Alternate wetting and drying (AWD) for paddy gave good result
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Active participation, Individual contact, field visit, Farmer are happy

*Thematic area: IGA*

Problem definition: Water shortage in rainfed regions in Rabi

Technology assessed:

FP- continuous flooding

TO1- Alternate wetting and drying (AWD)

T02- Irrigation at 3 days after disappearance (3-DAD)

Technologies Assessed	No. of trials	OFT E. yield (Q/ha)	% increase in yield	CC	GR	Economics	
						Net Return	B:C
Farmers' practice : continuous flooding	7	32		60200	92800	32600	1.54
TO1: Alternate wetting and drying (AWD)	7	39.2	22.5	59500	113680	54180	1.91
TO2: Irrigation at 3 days after disappearance (3-DAD)	7	36.4	13.7	59500	105560	46060	1.77



**Please provide all the OFTs in same form**

## 3.2 Achievements of Frontline Demonstrations

## A. Details of FLDs conducted during the year

## Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	RICE	IDM	Cultivation of BLB tolerant Rice var. KD 1203	2	2	3	4	2	0	1	0	6	4	10	
2	RICE	IPM	RP-Spraying with the combination of Chlorantraniliprole 20% SC @ 0.3 ml/l Cartap hydrochloride 50% SP @ 2 g/l --Triflumezopyrim 10% SC @ 0.48 ml/l at 25, 50 and 65 DAT	2	2	4	3	0	2	1	0	6	4	10	
3	GROUND NUT	IPM	Installation of Pheromone trap for monitoring @ 5 nos./ha + Fixation of bird perches for avian predation + sunflower as barrier trap crop + placement of poison baits (10kg rice bran + 1kg jaggery + 250 ml Lambda cyhalothrin) + need based foliar application++ of Indoxacarb + Novaluron @ 625ml/ ha in the evening hours Source : RRTTS, Ranital, 2020	2	2	1	6	2	0	1	0	4	6	10	
4	Onion	IDM	RP-Seed treatment with Carboxin 37.5% + Thiram 37.5% (0.2%) + three foliar spraying with Tebuconazole 25 EC (0.1%) at 15 days interval starting from initiation of the infection	2.0	2.0	7	0	2	0	1	0	10	0	10	
5	Pumpkin	IDM	Growing of two rows of maize as border crop+ use of agri silver mulch sheet, Seed treatment with Carbendazim 12% + Mancozeb 63% @ 3 g/kg, Drenching of Captan 70% + Hexaconazole 5% WP @ 0.1% 15 days after germination, Spraying of Tebuconazole 50% + Trifloxystrobin 25% @ 1g/l + spray with (Imidacloprid 17.8 SL @7.5 ml/ 15 L+ Neem oil 0.2%) followed by Fosetyl-Al @ 0.1% at 10 days interval	2.0	10	2	5	1	1	1	0	4	6	10	
6	TOMATO	IPM	RP-Three foliar spraying with (Metiram 55 % + Pyraclostrobin 5 %) WG @ 3g/l of water at 15 days interval starting from initiation of the disease	2	10	6	1	2	0	1	0	7	3	10	

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	
7	Groundnut	INM	Application of STD (25 : 40: 50) along with Lime (0.2 LR) and 40 kg sulphur	2	10	3	0	2	0	5	0	10	0	10	
8	Sesamum	INM	STD(50:20:25) + FYM @ 5 t/ha + S-21 kg/ha + Znso4-25kg/ha + B-1kg/ha Azotobactor seed inoculation	2	10	0	0	5	0	5	0	10	0	10	
9	Cauliflower	INM	STD(50:20:25) + FYM @ 5 t/ha + S-21 kg/ha + Znso4-25kg/ha + B-1kg/ha Azotobactor seed inoculation	2	10	0	0	0	0	10	0	10	0	10	
10	Onion	INM	STBR (150:75:125) +Consortia @ 4kg/ha + Borax @ 5 kg/ha + Zn @ 10kg/ha	2	10	1	0	0	0	9	0	10	0	10	
11	Cauliflower	Drudgery Reduction	RP- Transplanting is done by single Row Vegetable Transplanter	2.0	10	4	1	0	0	2	2	7	3	10	
12.	Tomato	Conservation Agriculture	RP- Ridge and furrow method with organic mulch	2.0	10	2	3	1	0	2	2	5	5	10	
13.	RICE	Precision Farming	RP- Spraying is done by Agricultural Drone	2	10	3	1	1	1	3	1	7	3	10	
14.	Groundnut	Precision Farming	RP- Sowing is done by tractor operated seed cum fertilizer drill	2	10	1	4	1	1	2	1	4	6	10	
15	Quail	IGA	Rearing of Quail birds- (Space requirement- – 200 sq. cm/bird, Feeding management)	--	-	0	6	0	2	0	2	0	10	10	
16	Tomato	Value addition	Preparation of Tomato puree from Tomato Var.-A. Apeskhya having acidity -0.36%,lycopene content- 14.15mg /100g fresh wt.	--	-	0	3	0	1	0	6	0	10	10	
17	Tuberose	Varietal Evaluation	Cultivation of var. - Prajwal, Spacing- 45cmx20cm, NPK-200:200:200kg/ha	0.4	0.4	0	4	0	1	0	5	0	10	10	
18	Papaya	Value addition	Demonstration on value addition of papaya (Tutti-frutti)-	-	-	0	1	0	0	0	9	0	10	10	



**Oilseeds:**

## Frontline demonstrations on oilseed crops

Crop	Them atic Area	Name of the technology demonstrated	No. of Far mers	Area (ha)	Yield (q/ha)		% Incr ease	*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
Ground nut	INM	Application of STD (25 : 40: 50) along with Lime (0.2 LR) and 40 kg sulphur	10	2	22.2	18.8	18.1	62200	150582	88382	2.42	58500	127520	69020	2.17
Sesa mum	INM	STD(50:20:25) + FYM @ 5 t/ha + S-21 kg/ha + Zns04-25kg/ha + B- 1kg/ha Azotobactor seed inoculation	10	2	5.9	4.8	22.0	37800	54675	16875	1.44	34200	44482	10282	1.30
GROUND NUT	IPM	Installation of Pheromone trap for monitoring @ 5 nos./ha + Fixation of bird perches for avian predation + sunflower as barrier trap crop + placement of poison baits (10kg rice bran + 1kg jaggery + 250 ml Lambda cyahalothrin) + need based foliar application++ of Indoxacarb + Novaluron @ 625ml/ ha in the evening hours against tobacco caterpillar disease Source : RRTTS, Ranital, 2020	10	2	18.48	14.25	29.68	79800	166320	86520	2.08	74200	114000	39800	1.53
Total															

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

\*\* BCR= GROSS RETURN/GROSS COST

## Pulses

### Frontline demonstration on pulse crops

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

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

\*\* BCR= GROSS RETURN/GROSS COST

## Other crops

Crop	Them atic area	Name of the technology demonstrated	No. of Far mer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo ns ration	Che ck		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Cauli flower	INM	STD(50:20:25) + FYM @ 5 t/ha + S-21 kg/ha + Znso4-25kg/ha + B-1kg/ha Azotobactor seed inoculation	10	2	323	286	12.9			58900	161500	102600	2.74	56200	143000	86800	2.54
Onion	INM	STBR (150:75:125) +Consortia @ 4kg/ha + Borax @ 5 kg/ha + Zn @ 10kg/ha	10	2	223	196	13.7			118000	334500	216500	2.83	110000	294000	184000	2.67
Onion	IDM	RP-Seed treatment with Carboxin 37.5% + Thiram 37.5% (0.2%) + three foliar spraying with Tebuconazole 25 EC (0.1%) at 15 days interval starting from initiation of the infection	10	2	179.8	113.6	58.27	162.8 (Avg. Bulb wt (gm)	112.5 (Avg. bulb wt (gm)	81200	179800	98600	2.21	65400	90880	25480	1.38

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
Pumpkin	IDM	Growing of two rows of maize as border crop+ use of agri silver mulch sheet, Seed treatment with Carbendazim 12% + Mancozeb 63% @ 3 g/kg, Drenching of Captan 70% + Hexaconazole 5% WP @ 0.1% 15 days after germination, Spraying of Tebuconazole 50% + Trifloxystrobin 25% @ 1g/l + spray with (Imidacloprid 17.8 SL @7.5 ml/ 15 L+ Neem oil 0.2%) followed by Fosetyl-Al @ 0.1% at 10 days interval	10	2	148.2	115.8	27.97	2.48 Avg. Fruit size (kg)	1.72	131600	222300	90700	1.69	118960	173700	54740	1.46
TOMATO	IDM	Three foliar spraying with (Metiram 55 % + Pyraclostrobin 5 %) WG @ 3g/l of water at 15 days interval starting from initiation of the disease	10	2	102.4	78.6	30.27	95.7 Av. Fruit weight (gm)	49.6	130600	409600	279000	3.13	97000	235800	138800	2.43

Crop	Them atic 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)			
					Demo ns ration	Che ck		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Tube rose	Varietal Evaluation	Demonstration of tuberose cultivation for income generation of farm women Cultivation of var. - Prajwal, Spacing- 45cmx20cm, NPK- 200:200:200kg/ha	10	0.4	94.3	76.4	23.4	No. of Florets/ spike- 33	28	296500	754400	457900	2.54	278000	611200	333200	2.19



## Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry (Quail)	Income Generating activities	Rearing of Quail birds- (Space requirement- – 200 sq. cm/bird, Feeding management)	10	10	Egg production (No./ year) 228	92	147.8	Avg. adult body wt. (k.g./ year)- 0.216	1.520	4200	12464	8264	2.96	8050	16215	8165	2.01
Rabbitry																	
Pigery																	
Sheep and goat																	
Duckery																	
Nutrition manageme																	
Others (pl.specify)																	
Total																	

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

\*\* BCR= GROSS RETURN/GROSS COST



## Fisheries

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

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

\*\* BCR= GROSS RETURN/GROSS COST

## Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit				
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR	
Oyster mushroom	Enterprise development																
Button mushroom																	
Vermicompost																	
Sericulture																	
Apiculture																	
Nutrigarden																	
Fodder																	
IFS																	
Value Addition (Tomato Puree)	Popularization of tomato var. Arka Apekshya for value added products (puree) of tomato- Preparation of Tomato puree from Tomato Var.-A. Apekshya having acidity - 0.36%,lycopene content- 14.15mg /100g fresh wt			Conversion to Puree (%) -34	28	6	Yield (q/ ha)- 338.4	283.7	1706	3060	1354	1.79	1688	2520	832	1.49	

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
Value Addition (Papaya Tutti-frutti)	Demonstration on value addition of papaya (Tutti-frutti)- Cut the papaya into small pieces. Soak in 2 % brine containing 1 % calcium chloride for 30 minutes. Drain, wash the papaya pieces, add equal quantities of sugar & boil for 5 minutes. Let soak at room temp. for 4 hours, and mix the required essence., coloring & citric acid. Add more sugar to the above mixture & boil up to a sugar conc. of 70 <sup>0</sup> brix. Drain the candied papaya pieces, spread on a tray & dry.	10	10	Conversion ratio-1:0.61	1:1	39	Overall acceptability (9 Point hedonic Scale) -7.3	3.6	510	1220	710	2.67	100/10 kg.	150	50	1.5
In-situ soil moisture conservation	Demonstration of in-situ soil moisture conservation method in tomato raddish sequence	10	10	12.36	9.17	34.71	0	0	170000	321360	151360	1.89	150000	234000	84000	1.56
Total																

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

\*\* BCR= GROSS RETURN/GROSS COST



## Women empowerment

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

## Farm implements and machinery

Category	Name of the implement / Equipment / Tool	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					
Sowing and planting tools and machineries	tractor drawn seed cum fertilizer drill	Groundnut	Demonstration of tractor drawn seed cum fertilizer drill for groundnut	10	1	15	14.5	3.4	3	8	1500	0
Sowing and planting tools and machineries	Single Row Vegetable Transplanter	Cauliflower	Demonstration of Single Row Vegetable Transplanter	10	4	445 (Plants/hr)	155 (Plants/hr)	-	10	25	6900	0
Intercultural operation tools and machineries												
Irrigation management tools and machineries												
Plant protection tools and machineries	Drone	Paddy	Demonstration of Agricultural Drone Sprayer for control of Stem borer in Paddy	10	4	2 (ha/hr)	0.02 (ha/hr)	-	1	7	3345	0
Harvesting tools and machineries												
Postharvest processing tools and machineries												
other mechanization tools and machineries												

\* 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



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

Good quality photographs of FL

#### Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	RICE	Performance of variety is very good but timely availability of seeds is not ensured by KVK.
2	RICE	Chemicals are costly.
3	GROUNDNUT	Treatments gives increased yield.
4	Onion	Yield enhanced is very much liked by farmers.
5	Pumpkin	Less disease and attractive fruits.
6	TOMATO	Demonstrations produced less discolored fruits.
7	Quail	Rearing of quail is more profitable than poultry.
8	Tomato	Puree from tomato var. Arka Apekshya is more than traditional variety
9	Tuberose	Good fragrance at evening hours & more no. of florets per spike than local variety.
10	Papaya	Tasty to eat, shelf-life of psapaya can be enhanced upto 3 months
11	Single Row Vegetable Transplanter	Works well when soil is well pulverized and with less moisture
12	in-situ soil moisture conservation in tomato	Conserves soil moisture for another crop with minimum irrigation
13	Agricultural Drone Sprayer for control of Stem borer in Paddy	Effective in controlling stem borer and requires less labour and time
14	Tractor drawn seed cum fertilizer drill for Groundnut	Line sowing with low labour but works properly with well pulverized soil

## Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	18.06.25, 16.07.25, 01.08.25 & 02.08.25	4	90	Tuberose cultivation, Rearing management of improved poultry, Brooding management of improved poultry, Value addition of tomato
		19.07.2025, 07.08.2025, 22.09.2025, 04.10.2025 22.10.2025, 10.12.2025	6	150	IPDM in Okra, IDM in pumpkin, IPDM in groundnut, ICM in onion. IDM in Tomato
		30.06.2025, 10.07.2025, 15.07.2025, 3.11.2025, 04.11.2025, 19.01.2026, 20.01.2026	7	175	Wetland power weeder, Agricultural Drone, transplanters, tractor drawn seed cum fertilizer drill
3.	Media coverage	12.04.25	1	Mass	Value added products of tomato
4.	Training for extension functionaries				

## Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2025 and Rabi 2024-25:

## A. Technical Parameters

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1.	Groundnut (Summer 2024-25)	Kadri Lepakshi	19.5	24.7	21.8	35	Line sowing behind plough 30cm x 10cm Seed treatment with Rhizobium culture @ 20gm/kg seed, STBF Application of Phospho-Gypsum @ 2.5Q/Ha. Spraying of Profenophos 50EC @ 2ml/litre of water Spraying of Carbendazim 12% plus Mancozeb 63% @ 3gm /Lit of water	101	40	26.3	25.3	23.6	95.5	100	67

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
2.	Sessamum (Kharif 2025)	<i>Kalinga Sessamum-1</i>	2.76	2.5	2.42	12	HYV; <i>Kalinga Sessamum-1</i> , Line sowing behind plough30cmx10cm Seed treatment with Vitavax Power@2.5gm/kg seed, STBF Application of Phospho-Gypsum@ 2.5Q/Ha. Spraying of ndoxacarb14.5SC@1ml/litre of water, Spraying of Carbendazim 12%%plus Mancozeb 63% @3gm /Lit of water	97	20	7.8	6.17	7.06	100	100	64

### 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	<b>Kadri Lepakshi</b> Line sowing behind plough30cmx10cm, Seed treatment with Rhizobium culture@20gm/kg seed, STBF, Application of Phospho-Gypsum@ 2.5Q/Ha. Spraying of Profenophos 50EC@2ml/litre of water, Spraying of Carbendazim 12%%plus Mancozeb 63% @3gm /Lit of water	45900	78000	32100	1.70	56430	110600	57150	1.96
2	HYV; <i>Kalinga Sessamum-1</i> , Line sowing behind plough30cmx10cm, Seed treatment with Vitavax Power@2.5gm/kg seed, STBF, Application of Phospho-Gypsum@ 2.5Q/Ha. Spraying of ndoxacarb14.5SC@1ml/litre of water, Spraying of Carbendazim 12%%plus Mancozeb 63% @3gm /Lit of water	20800	27600	6800	1.32	29493	66148	36655	2.24

### 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	<b>Ground Fruit, Kadri Lepakshi</b> Line sowing behind plough30cmx10cm, Seed treatment with Rhizobium culture@20gm/kg seed, STBF, Application of Phospho-Gypsum@ 2.5Q/Ha. Spraying of Profenophos 50EC@2ml/litre of water, Spraying of Carbendazim 12%%plus Mancozeb 63% @3gm /Lit of water	92580	782	42	9400	3880	Loan Payment, purchase of grocery	25

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)
2	SessamumHYV; <i>Kalinga Sessamum-1</i> , Line sowing behind plough 30cm x 10cm Seed treatment with Vitavax Power @ 2.5gm/kg seed, STBF, Application of Phospho-Gypsum @ 2.5Q/Ha. Spraying of ndoxacarb 14.5SC @ 1ml/litre of water, Spraying of Carbendazim 12% plus Mancozeb 63% @ 3gm /Lit of water	14021	107	91.50	6031	1312	Labour Payment, purchase of grocery, clothes for family members, Payment of electricity bill	21

#### D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					Suggestions, for change/improvement, if any
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	
1	Line sowing behind plough 30cm x 10cm Seed treatment with Rhizobium culture @ 20gm/kg seed, STBF, Application of Phospho-Gypsum @ 2.5Q/Ha. Spraying of Profenophos 50EC @ 2ml/litre of water, Spraying of Carbendazim 12% plus Mancozeb 63% @ 3gm /Lit of water	Yes	KVK-State dept.-FPO	72	No	Yes	Involvement of more farmers and procurement through govt agencies or agreement for procurement.
2	SessamumHYV; <i>Kalinga Sessamum-1</i> , Line sowing behind plough 30cm x 10cm Seed treatment with Vitavax Power @ 2.5gm/kg seed, STBF, Application of Phospho-Gypsum @ 2.5Q/Ha. Spraying of ndoxacarb 14.5SC @ 1ml/litre of water, Spraying of Carbendazim 12% plus Mancozeb 63% @ 3gm /Lit of water	Yes	KVK-State dept.-FPO	61	No	Yes	Involvement of more farmers and procurement through govt agencies or agreement for procurement.

#### E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Number of Pods/plant	32	18	Good number of pods with better pod filling
Number of Pods/plant	124	79	Good number of pods with better pod filling

### F. Extension activities under FLD conducted

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Field visit	16.04.2025 & 09.05.2025, Antaradi, Kuisira	55
2	Group meeting	21.03.2025, Kurla	50
3	Awareness Camp	19.03.2025, Antaradi	53
4	Field day	09.05.2025, Kuisira	37
5	Field visit	16.04.2025 & 09.05.2025, Antaradi, Kuisira	55
6	Field visit	18.07.2025,02.09.2025,22.10.2025, Ambhona,Padmapur	55
7	Group meeting	25.07.2025,13.10.2025, Mahulpalli & Ambabhona	37
8	Awareness Camp	03.07.2025, Ambabhona	50
9	Field day-cum-Exposure visit	28.10.2025, Hatisar	44
10	Farmers training	24.07.2025,16.08,2025,18.10.2025 Sampalii,Kharamal,KVK-Campus	119

### 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			
	<b>Total</b>	<b>230750</b>	<b>230750</b>	<b>0</b>









Thematic Area	No. of Courses	No. of Participants									Grand Total			
		Other			SC			ST			M	F	T	
	M	F	T	M	F	T	M	F	T					
<b>IX. Production of Input at site</b>														
Seed Production														
Planting material production														
Bio0agents production														
Bio0pesticides production														
Bio0fertilizer production														
Vermi0compost production														
Organic manures production														
Production of fry and fingerlings														
Production of Bee0colonies and wax sheets														
Small tools and implements														
Production of livestock feed and fodder														
Production of Fish feed														
Mushroom production														
Apiculture														
Others														
<b>Total</b>														
<b>X. Capacity Building and Group Dynamics</b>														
Leadership development														
Group dynamics														
Formation and Management of SHGs														
Mobilization of social capital														
Entrepreneurial development of farmers/youths														
WTO and IPR issues														
Others														
<b>Total</b>														
<b>XI. Agro forestry</b>														
Production technologies														
Nursery management														
Integrated Farming Systems														
Others														
<b>Total</b>														
<b>XII. Others (Pl. Specify)</b>														
<b>GRAND TOTAL</b>	<b>3</b>	<b>3</b>	<b>28</b>	<b>31</b>	<b>5</b>	<b>16</b>	<b>21</b>	<b>6</b>	<b>17</b>	<b>23</b>	<b>14</b>	<b>61</b>	<b>75</b>	

**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			
Nursery Management of Horticulture crops	1	0	13	13	0	0	0	0	2	2	0	15	15
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs	2	40	0	40	0	0	0	0	0	0	40	0	40
Production of organic inputs	<b>2</b>	<b>25</b>	<b>0</b>	<b>25</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>5</b>	<b>30</b>
Planting material production													
Vermiculture	2	37	3	40	0	0	0	0	0	0	37	3	40
Mushroom Production	1	0	2	2	0	2	2	0	11	11	0	15	15
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements	<b>1</b>	<b>6</b>	<b>0</b>	<b>6</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>6</b>	<b>0</b>	<b>6</b>	<b>15</b>	<b>0</b>	<b>15</b>
Value addition	1	0	12	12	0	6	6	0	2	2	0	20	20
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	0	1	1	0	0	0	0	14	14	0	15	15
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
<b>Total</b>	<b>11</b>	<b>108</b>	<b>31</b>	<b>139</b>	<b>6</b>	<b>10</b>	<b>16</b>	<b>6</b>	<b>29</b>	<b>35</b>	<b>117</b>	<b>73</b>	<b>190</b>







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
Dairy Management													
Poultry Management	2	0	39	39	0	4	4	0	7	7	0	50	50
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies	2	0	20	20	0	0	0	0	30	30	0	50	50
Production of quality animal products													
Others													
<b>Total</b>	<b>4</b>	<b>0</b>	<b>59</b>	<b>59</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>37</b>	<b>37</b>	<b>0</b>	<b>100</b>	<b>100</b>
<b>V. Home Science/Women empowerment</b>													
Household food security by kitchen gardening and nutrition gardening	1	0	2	2	0	5	5	0	18	18	0	25	25
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques	1	0	0	0	0	25	25	0	0	0	0	25	25
Value addition	2	0	42	42	0	4	4	0	4	4	0	50	50
Women empowerment	1	0	2	2	0	2	2	0	21	21	0	25	25
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care	1	0	21	21	0	4	4	0	0	0	0	25	25
Others	1	0	0	0	0	25	25	0	0	0	0	25	25
<b>Total</b>	<b>7</b>	<b>0</b>	<b>67</b>	<b>67</b>	<b>0</b>	<b>65</b>	<b>65</b>	<b>0</b>	<b>43</b>	<b>43</b>	<b>0</b>	<b>175</b>	<b>175</b>
<b>VI. Agril. Engineering</b>													
Farm machinery & its maintenance	6	74	27	101	28	17	45	2	2	4	105	45	150
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	1	5	0	5	13	7	20	0	0	0	18	7	25
Production of small tools and implements	1	0	4	4	0	0	0	0	21	21	0	25	25
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	3	18	10	28	31	3	34	6	7	13	55	20	75
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>11</b>	<b>97</b>	<b>41</b>	<b>138</b>	<b>72</b>	<b>27</b>	<b>99</b>	<b>8</b>	<b>30</b>	<b>38</b>	<b>178</b>	<b>97</b>	<b>275</b>





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
Vermiculture													
Mushroom Production	1	0	15	15	0	0	0	0	0	0	0	15	15
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements	2	17	0	17	7	0	7	6	0	6	30	0	30
Value addition	2	0	3	3	10	17	27	0	0	0	10	20	30
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
<b>Total</b>	<b>6</b>	<b>17</b>	<b>27</b>	<b>44</b>	<b>20</b>	<b>20</b>	<b>40</b>	<b>6</b>	<b>0</b>	<b>6</b>	<b>52</b>	<b>38</b>	<b>90</b>

### 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	2	5	27	32	7	0	7	6	5	11	18	32	50







Thematic Area	No. of Courses	No. of Participants									Grand Total			
		Other			SC			ST			M	F	T	
		M	F	T	M	F	T	M	F	T				
Rabbit Management														
Animal Nutrition Management														
Disease Management														
Feed & fodder technologies	2	0	20	20	0	0	0	0	30	30	0	50	50	
Production of quality animal products														
Others														
<b>Total</b>	<b>4</b>	<b>0</b>	<b>59</b>	<b>59</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>37</b>	<b>37</b>	<b>0</b>	<b>100</b>	<b>100</b>	
<b>V. Home Science/Women empowerment</b>														
Household food security by kitchen gardening and nutrition gardening	1	0	17	17	0	5	5	0	28	28	0	50	50	
Design and development of low/minimum cost diet	1	0	11	11	0	14	14	0	0	0	0	25	25	
Designing and development for high nutrient efficiency diet														
Minimization of nutrient loss in processing														
Processing & cooking														
Gender mainstreaming through SHGs														
Storage loss minimization techniques	1	0	0	0	0	25	25	0	0	0	0	25	25	
Value addition	2	0	42	42	0	4	4	0	4	4	0	50	50	
Women empowerment	1	0	2	2	0	2	2	0	21	21	0	25	25	
Location specific drudgery reduction technologies														
Rural Crafts														
Women and child care	1	0	21	21	0	4	4	0	0	0	0	25	25	
Others	1	0	0	0	0	25	25	0	0	0	0	25	25	
<b>Total</b>	<b>8</b>	<b>0</b>	<b>93</b>	<b>93</b>	<b>0</b>	<b>79</b>	<b>79</b>	<b>0</b>	<b>53</b>	<b>53</b>	<b>0</b>	<b>225</b>	<b>225</b>	
<b>VI. Agril. Engineering</b>														
Farm machinery & its maintenance	6	74	27	101	28	17	45	2	2	4	105	45	150	
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0	0	0	0	
Use of Plastics in farming practices	1	5	0	5	13	7	20	0	0	0	18	7	25	
Production of small tools and implements	1	0	4	4	0	0	0	0	21	21	0	25	25	
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0	
Small scale processing and value addition	4	21	12	33	36	5	41	12	14	26	69	31	100	
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0	
Others	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Total</b>	<b>12</b>	<b>100</b>	<b>43</b>	<b>143</b>	<b>77</b>	<b>29</b>	<b>106</b>	<b>14</b>	<b>37</b>	<b>51</b>	<b>192</b>	<b>108</b>	<b>300</b>	



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 Fish feed													
Mushroom production													
Apiculture													
Others													
<b>Total</b>													
<b>X. Capacity Building and Group Dynamics</b>													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
<b>Total</b>													
<b>XI. Agro forestry</b>													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
<b>Total</b>													
<b>XII. Others (Pl. Specify)</b>													
<b>GRAND TOTAL</b>	52	470	264	734	248	145	393	51	147	198	770	555	1325

**ii. RURAL YOUTH (On and Off Campus)**

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	1	0	13	13	0	0	0	0	2	2	0	15	15
Training and pruning of orchards													
Protected cultivation of vegetable crops	<b>1</b>	<b>0</b>	<b>9</b>	<b>9</b>	<b>3</b>	<b>3</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>3</b>	<b>15</b>
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs	4	65	0	65	3	2	5	0	0	0	65	5	70



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 Pest Management	2	5	27	32	7	0	7	6	5	11	18	32	50
Integrated Nutrient management	2	30	0	30	0	0	0	0	0	0	30	0	30
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements	1	2	1	3	4	2	6	4	3	7	10	6	16
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing	2	0	15	15	0	3	3	0	12	12	0	30	30
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													
<b>Total</b>	<b>7</b>	<b>37</b>	<b>43</b>	<b>80</b>	<b>11</b>	<b>5</b>	<b>16</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>58</b>	<b>68</b>	<b>126</b>

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
Plant Protection	F/FW	Nursery Management in Kharif Rice	1	Off Campus	18	7	25	9	3	12
Plant Protection	F/FW	IPDM for finger millet during kharif season	1	Off Campus	22	3	25	8	3	11
Plant Protection	F/FW	IPDM for Sessamum during kharif season	1	Off Campus	16	9	25	7	2	9
Plant Protection	F/FW	Integrated Nematode Management IN OKRA during kharif	1	Off Campus	17	8	25	8	3	11
Plant Protection	F/FW	Management of Sheath blight disease in kharif paddy	2	Off Campus	36	14	50	21	5	26
Plant Protection	F/FW	Management of Yellow Vein Mosaic Virus in Cucumber	1	Off Campus	13	12	25	6	4	10
Plant Protection	F/FW	Integrated Disease Management in Kharif Chilly	2	Off Campus	40	10	50	23	6	29
Plant Protection	F/FW	Panicle MITE management in kharif Rice	2	Off Campus	38	12	50	13	6	19
Plant Protection	F/FW	Integrated Pest Management in Pointed Gourd	2	Off Campus	43	7	50	19	3	22

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
Plant Protection	F/FW	Integrated Disease Management in Onion	1	Off Campus	19	6	25	9	4	13
Plant Protection	F/FW	Integrated Disease Management in Potato	1	Off Campus	23	2	25	8	2	10
Plant Protection	F/FW	Integrated Disease Management in cucumber	1	Off Campus	22	3	25	6	3	9
Plant Protection	RY	Importance of neem pesticides and its local preparation	1	On Campus	12	3	15	3	0	3
Plant Protection	VT	Preparation of organic formulations	1	Off Campus	13	2	15	0	2	2
Plant Protection	IS	Strategy for natural farming	2	Off Campus	18	32	50	13	5	18
Home science	F& FW	Rearing management of Quails	1	Off campusrh	0	25	25	0	6	6
Home science	RY	Value addition of local fruits	1	On Campus	0	20	20	0	12	12
Home science	IS	Formulation of low cost diet for anaemic women	1	On Campus	0	15	15	0	4	4
Home science	F& FW	Value addition of Tomato	1	Off campusrh	0	25	25	0	8	8
Home science	F& FW	Preparation of value added products of Mango	1	Off campusrh	0	25	25	0	0	0
Home science	F& FW	Cultivation &utilization of super-napier fodder	1	Off campusrh	0	25	25	0	25	25
Home science	F& FW	Cultivation Techniques of Tuberose	1	Off campusrh	0	25	25	0	25	25
Home science	RY	Value addition from fruits & vegetables (RY)	2	Off campusrh	0	15	15	0	15	15
Home science	F& FW	Paddy Straw mushroom cultivation from crumbled straw	1	Off campusrh	0	25	25	0	4	4
Home science	F& FW	Storage techniques of greengram	1	Off campusrh	0	25	25	0	25	25
Home science	F& FW	Formulation of Low-cost balanced diet	1	On campus	0	25	25	0	14	14
Home science	F& FW	Rearing management of improved poultry	1	On campus	0	25	25	0	20	20
Home science	F& FW	Raising of Vegetable seedlings in nursery	1	Off campusrh	0	25	25	0	7	7
Home science	RY	Brooding Management of Improved Poultry	2	On campus	0	15	15	0	0	1
Home science	VT	Income Generation through mushroom farming	1	On campus	0	15	15	0		
Home science	F& FW	Improved crop Management practices in nutritional garden	1	On campus	0	25	25		15	15
Home science	F& FW	Supplementary feeding of cows with azolla	1	Off campusrh	0	25	25	0	20	20
Home science	RY	Self-employment through seedling production	2	On campus	0	15	15	0	17	17
Home science	F& FW	Early childhood care for farm-women	1	Off campusrh	0	25	25	0	25	25
Home science	IS	Formulation of Low-cost weaning food for children (IS)	1	Off campusrh	0	15	15	0	5	5
Home science	RY	Scientific method of oyster mushroom cultivation	2	On campus	0	15	15	0	4	4

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
		(RY)								
Home science	F& FW	Value added products of Tomato	1	Off campusrh	0	25	25	0	8	8
Soil Science	F & FW	Soil sample collection technique	1	Off campus	25	0	25	8	0	8
Soil Science	F& FW	Importance of soil testing & interpretation of result	1	Off campus	25	0	25	0	0	0
Soil Science	F & FW	Nutrient management practices in fingermillet	1	Off campus	25	0	25	0	0	0
Soil Science	IS	Role, deficiency & management of nutrients in soil	1	ON campus	15	0	15	0	0	0
Soil Science	F & FW	Effect of nano urea liquid fertilizer application in transplanted rice	1	Off campus	25	0	25	5	0	5
Soil Science	F & FW	Use of LCC on paddy	1	Off campus	10	15	25	7	2	9
Soil Science	F & FW	Use of Micro-Nutrients in Ragi	1	Off campus	23	2	25	2	0	2
Soil Science	F & FW	Sulphur & Lime application in groundnut for pod setting & increasing oil content	1	Off campus	6	19	25	0	22	22
Soil Science	F & FW	Biofertilizer application in Greengram	1	Off campus	25	0	25	8	0	8
Soil Science	F & FW	Use of LCC for Mustard	1	Off campus	25	0	25	0	0	0
Soil Science	F & FW	Use of soil health card for fertilizer recommendation	1	Off campus	25	0	25	0	0	0
Soil Science	RY	Types, problem & management of problem soil in the district	2	ON campus	16	4	20	0	0	0
Soil Science	RY	Vermicompost production technology	2	ON campus	9	11	20	0	0	0
Soil Science	RY	Different types of biofertilizers and its beneficial effects in soil	2	ON campus	20	0	20	0	0	0
Soil Science	RY	Types & methods of foliar application of fertilizer in crops	2	ON campus	15	5	20	5	3	8
AG. ENGG.	F/FW	Use of Bullock drawn implements for labour saving	1	Off campus	25	0	25	11	0	11
AG. ENGG.	F/FW	Use of improved machinery for rice cultivation	1	Off	25	0	25	5	0	5
AG. ENGG	F/FW	Mat type nursery Preparation of paddy for mechanical transplanting	1	Off	25	0	25	6	0	6
AG. ENGG	F/FW	Direct Seeded Rice cultivation	1	Off	4	21	25	0	5	5
AG. ENGG	F/FW	Use of Mechanical Weeders in Paddy	1	Off	1	24	25	1	13	14
AG. ENGG	F/FW	Utility of Mulching in vegetables	1	Off	18	7	25	13	7	20
AG. ENGG	F/FW	Use of tractor drawn seed cum fertilizer drill for sowing of different crops	1	Off	25	0	25	8	0	8

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
AG. ENGG.	RY	Operation and maintenance of paddy transplanter	2	ON Campus	15	0	15	9	0	9
AG. ENGG.	F/FW	Use of Pulse mill for milling of Pulse	1	Off	17	8	25	4	0	4
AG. ENGG.	RY	Micro Irrigation system its working and maintenance	2	Off	10	0	10	10	0	10
AG. ENGG.	F/FW	Drudgery reducing small farm implements for women	1	Off	0	25	25	0	21	21
AG. ENGG.	F/FW	Operation of different power operated millet thresher	1	Off	13	12	25	7	9	16
AG. ENGG.	RY	Operation of Agricultural drone for spraying insecticides	2	Off	3	12	15	3	3	6
AG. ENGG.	RY	Different Value added products and post-harvest processing	2	Off	10	5	15	10	2	12
AG. ENGG.	F/FW	Agro-processing based Agri Industries	1	Off	24	1	25	22	1	23
AG. ENGG.	VT	Nursery preparation and transplanting of paddy by transplanter	5	On campus	15	0	15	7	0	7
AG. ENGG.	IS	Importance of custom hiring centers for income generation	1	On campus	10	6	16	8	5	13
AG. ENGG.	RY	Operation and maintenance of different transplanters	1	Off	15	0	15	4	0	4
AG. ENGG.	F/FW	Post harvest management and processing	1	On campus	14	11	25	11	9	20

## H) Vocational training programmes for Rural Youth

### 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 elsewhere
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Mushroom	IGA	Income Generation through mushroom farming	5	0	15	15	Thatched straw unit	9	9	5
Paddy transplanter	Farm mechanization	Nursery preparation and transplanting of paddy by transplanter	5	15	0	15	-	-	-	6

\*training title should specify the major technology /skill transferred





	Total														
<b>Farm machinery</b>															
Farm machinery, tools and implements															
Other															
	Total														
<b>Livestock and fisheries</b>															
Livestock production and management		2	30	2	32	4	0	4	4	0	4	38	2	40	
Animal Nutrition Management															
Animal Disease Management															
Fisheries Nutrition															
Fisheries Management															
Other															
	Total														
<b>Home Science</b>															
Household nutritional security															
Economic empowerment of women															
Drudgery reduction of women															
Other															
	Total														
<b>Agricultural Extension</b>															
Capacity Building and Group Dynamics															
Other															
	Total														
	<b>Grant Total</b>														

Good quality photographs of training activity:





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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	8	243	127	370	28	6	2	8	249	129	378
Kisan Mela	4	889	511	1400	32	8	3	11	897	514	1411
Kisan Ghosthi	3	35	0	35	27	4	1	5	39	1	40
Exhibition	2	3800	2600	6400	36	18	9	27	3818	2609	6427
Film Show	20	287	133	420	29	12	4	16	299	137	436
Method Demonstrations	24	168	72	240	18	8	5	13	176	77	248
Farmers Seminar	1	22	8	30	33	5	1	6	27	9	36
Workshop	2	34	16	50	21	7	2	9	41	18	64
Group meetings	28	226	122	348	34	12	7	19	238	129	367
Lectures delivered as resource persons	48	45	370	415	31	8	5	13	53	375	428
Advisory Services	<b>36</b>	102256	15889	118145	27	88	24	112	102344	15913	118257
Scientific visit to farmers field	146	504	103	607	23	41	20	61	545	123	668
Farmers visit to KVK	1128	714	414	1128	31	24	12	36	738	426	1164
Diagnostic visits	26	57	16	73	34	12	6	18	69	22	91
Exposure visits	4	52	18	70	22	4	2	6	56	20	76
Ex-trainees Sammelan	1	19	6	25	24	2	2	4	21	8	29
Soil health Camp	2	82	18	100	32	2	2	4	84	20	104
Animal Health Camp	1	46	4	50	33	5	0	5	51	4	55
Agri mobile clinic	-			-							
Soil test campaigns	2	96	54	150	28	4	2	6	100	56	156
Farm Science Club Conveners meet	15	220	0	220	28	10	8	18	230	8	238
Self Help Group Conveners meetings	24	0	240	240	32	3	12	15	3	252	255
Mahila Mandals Conveners meetings	-			-							
Celebration of important days (specify)	6	167	133	300	29	7	5	12	174	138	312
Sankalp Se Siddhi	-			-				147			
Swatchta Hi Sewa	26	756	367	1123	32	22	9	31	778	376	1154
Mahila Kisan Divas	1	0	30	30	26	0	2	2	0	32	32
Any Other (Specify)											
<b>Total</b>	<b>1558</b>	<b>110718</b>	<b>21251</b>	<b>131969</b>	<b>690</b>	<b>312</b>	<b>145</b>	<b>604</b>	<b>111030</b>	<b>21396</b>	<b>132426</b>

## B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	4
Electronic media (CD/DVD)	1
Radio talks	15
TV talks	-
Popular articles	2
Extension Literature	3
Animal health camps (no. of animal treated)	-
Other, if any	-

Good quality photographs of Extension activity:

## 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	
				M	F	M	F	M	F	M	F
Paddy	Bina dhan-11 (Rabi)	70	282200	Ossc bargarh							
Paddy	Hasanta (Kharif)	170 (unprocessed)	705500	ossc							
Grand Total											

Good quality photographs of seed production:

### Production of planting materials by the KVK Bargarh

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
<b>Vegetable seedlings</b>											
Cauliflower	Kt-1	5000	12500	8	0	7	0	26	9	41	9
Cabbage	Pride of india	10000	15000	6	0	8	3	52	8	66	11
Tomato	A.rakshak	10000	25000	4	6	5	4	47	13	56	23
Brinjal	A.ananda	7000	17500	12	2	4		32	11	48	13
Chilli	Krishna, Amour	10000	12500	8	3	6	2	44	11	58	16
Onion											
Others											
<b>Fruits</b>											
Mango											
Guava											
Lime											
Papaya	Red lady	100	2500	9	0	4	0	31	6	44	6
Banana											
Others											
Ornamental plants	House plants	30	3000	0	4	0	2	5	9	5	15
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings	Red napier white napier	2000		2	0	0	0	6	0	8	0
Forest Species											
Others, pl. specify ( Mushroom spawn)	v.volvacea & p.sajorcaju	2000	32000	0	12	0	8	6	24	6	34
<b>Total</b>											

Good quality photographs of planting materials:



Mixed carp											
Fish fingerlings											
Spawn											
Others (Pl. specify)											
<b>Grand Total</b>											

Good quality photographs of livestock and fisheries:

### 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 :	Mr. N. C. Barik
Address :	KVK, Gambharipali, Bargarh
e-mail :	<a href="mailto:Kvkbargarh.ouat@gmail.com">Kvkbargarh.ouat@gmail.com</a>
Phone No. :Mobile :	09437414979

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Rabi 2024-25	Greengram	Virat	50	15	26.2	C/S II
Kharif 2025	Pigeonpea	LRG-52	50	10	15	C/S

iii) Financial Progress

Fund received (2021-22, 2022-23, 2023-24 and 2024-25)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2021-22	-	243582	576148	
2022-23	-	280575	614575	
2023-24	-	123885	571057	
2024-25	-			

iv) Infrastructure Development

Item	
Seed Processing unit	
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper	Effect of Nano urea liquid fertilizer application in paddy under different agroclimatic zones of Odisha Effect of Nano urea liquid fertilizer application in paddy under different agroclimatic zones of Odisha In: <i>Archives of current research International</i> vol.25, Issue 3, 2025 PP. 180-185.	R.D.Behera, , N.C. Barik, S. Sahu, & S. Biswal		
	Optimizing nutrient management for fingermilley ( Eleusine Corocana ) nin lateritic soils of odisha: Effects oin growth, yield & economics In: <i>International journal of plant &amp; soil science</i> vol.37, Issue 2, 2025, PP. 164-169.	R.D.Behera, , S. Sahu, S. Biswal & N.C. Barik, P. Mohanty & D. Jena		
	Influence of Natural farming practices in different crops at west central table land zone of odishaIn: <i>Asian journal of soil science &amp; plant nutrition</i> vol.11, Issue1, 2025 PP. 258-262.	R.D.Behera, S. Biswal , N.C. Barik, , S. Sahu, P.Mohanty & D.Jena		
Seminar/conference/ symposia papers	Influence of Nutrient management practices on fingermillet in laterite soils of OdishaIn: <i>International cvonference onGlobal research initiative for agriculture, science &amp; technology</i> , 20-22. Jan.,2025, IGKV, Raipur.	R.D.Behera, , S. Sahu, N.C. Barik & S. Biswal		
Books				
Bulletins				
News letter	Dhanushree	R.D.Behera, S. Biswal , N.C. Barik, S. Sahu, P.Mohanty, D.Jena, S.K. Meher, S.K. Jally	500	490
Popular Articles	Biofertiliser Role for soil health management In : <i>Innovative agriculture</i> Feb.2025, PP:50-53	R.D.Behera, N.C. Barik , S. Sahu, & S. Biswal, P.J. Mishra, P. Mohanty & D.jena		
Book Chapter				
Extension Pamphlets/ literature	• Unnat pranalire Sorisha ChasaPublished by Krishi Vigyan Kendra, Baragarh,	N.C. Barik , S. Sahu, S. Biswal, R.D.Behera, D.Jena & P.Mohanty	500	
	• Successful agro-technologies Published by Krishi Vigyan Kendra, Baragarh	R.D.Behera, N.C. Barik , S. Sahu, & S. Biswal	500	
Technical reports	Annual Report CFLD Report	S. Sahu, N.C. Barik , S. Biswal, R.D.Behera,	500	

Item	Title	Author's name	Number	Circulation
	SCSP compilation report	P.Mohanty, D.Jena, S.K. Meher,		
Electronic Publication (CD/DVD etc.)	Prakutika krushi: Chasira unnati	N.C. Barik , S. Sahu, S. Biswal, R.D.Behera, D.Jena & P.Mohanty		
TOTAL				

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

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

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Refresher Training Programme	Refresher Training Programme for Scientist and SMS of PP	Mr.N.C.Barik, SS&H, KVK,	11.02.25 &12.02.25	DEE, OUAT, BBSR
2.	Refresher Training Programme	Refresher Training Programme for Scientist and SMS of Ag. Engg	Mrs. Sanghamitra Biswal SMS (Ag. Engg)	03.03.25 & 04.03.25	DEE, OUAT, BBSR
3.	National seminar	National seminar on Resource management tfor climate resilient sustainable food production system	Mr. Rahul Dev Behera, SMS(Soil Sc.)	06.03.25 &07.03.25	OUAT, BBSR
4.	National seminar	National seminar on Resource management tfor climate resilient sustainable food production system	Mrs. Sanghamitra Biswal SMS (Ag. Engg)	06.03.25 &07.03.25	OUAT, BBSR
5.	Refresher Training Programme	Refresher Training on Mass production & use of bio control agents for disease management of plants	Mrs. P. Mohanty Farm Manager	06.03.25 &07.03.25	OUAT, BBSR
6.	Refresher Training Programme	Refresher Training on Natural farming	Mrs. P. Mohanty Farm Manager	25.03.25 &26.03.25	OUAT, BBSR
7.	Refresher Training Programme	Refresher training programme on PFMS	Mr. S. K. Meher, P.A(COMP)	06.03.2025	ATARI, Kolkata
8	Refresher Training Programme	Refresher training programme on APP Development	Mr. S. K. Meher, P.A(COMP)	27.03.2025	OUAT, BBSR
9					

**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	Mrs. Bilashini Gauda
Address	Mr. Bhisma Gauda At-Gurkhpali, P.O-Jhiliminda, Dist-Bargarh
Contact details (Phone, mobile, email Id)	7327048701

Landholding (in ha.)	2 ac.
Name and description of the farm/ enterprise	Mrs. Bilashini Gauda is a dedicated farm-woman who always assist her husband to support their family of four. Beyond traditional paddy cultivation, she manages a nutritional-garden and produces paddy straw mushrooms to diversify the family's income. However, since mushroom production is limited to the June-to-September window, she sought a profitable venture for the rabi season. So, she turned to the KVK for expert guidance. Recognizing her enthusiasm and hard-working nature, the KVK experts recommended her to go for marigold cultivation as a high-value alternative to maximize her land's potential during the rabi season. To kickstart her venture, the KVK supported her with high-yielding Bidhan Marigold-2 seedlings, a variety known for its superior bloom and market value. To ensure a healthy crop, she was advised to follow a spacing of 45 X 30 cm. & perform seedling root dipping with Carbendazim (2g/L) to prevent soil-borne diseases. Throughout the growth cycle, KVK scientists conducted regular field visits, providing technical guidance on Integrated Nutrient Management (INM), need-based irrigation, and Integrated Pest and Disease Management (IPDM) strategies.
Economic impact	Through the diligent application of recommended technical practices, she achieved a total harvest of 976 kg of high-quality loose flowers from her 20-decimal plot. Capitalizing on the strong demand in the local market, she successfully converted her harvest into a gross revenue of ₹39040/- by Selling at an average rate of ₹40 per kg, Since the mushroom season ends in September, this provides her with steady liquidity during the lean winter months. So, it's a high-efficiency micro-enterprise. It transforms a small piece of land into a primary income source for the Rabi season, ensuring the "farm-family" remains financially stable year-round.
Social impact	Mrs. Gauda's evolution from farm assistant to agri-entrepreneur marks a significant social shift. Her success in marigold cultivation has not only empowered her financially but has also sparked a community-wide interest in high-value horticulture. She has effectively become a role model, demonstrating that financial independence is within reach for every woman in her village."
Environmental impact	Beyond economic gains, her transition to marigold cultivation has yielded significant environmental benefits. The inherent bio-fumigant properties of marigolds have improved soil health by suppressing nematodes, while the crop's lower water requirement supports local conservation efforts. The bright flowers attract beneficial insects which prey on harmful pests. This reduces the need for toxic chemical sprays.
Horizontal/ Vertical spread	The intervention has triggered a significant horizontal spread within the community. Her plot now serves as a primary demonstration site, inspiring the nearby farmers of seven villages of three blocks to plan their own marigold cultivation for the upcoming season



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

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

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

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

b. Give details of organic farming practiced by the farmer

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)
1	Paddy	221	6520q	288	Y
2	Pulse	335	1340q	584	Y
3	Vegetable	262	20960q	1345	Y

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

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
1	PRA, Group meetings, Survey, Questionnaire, Farmers scientist interaction, Field visit, SAC meeting	To identify the problem of Farmers & Farm women
2	Field visit, Query redressal, Diagnostic field visit, Collective Workshops, WhatsApp group	To sort out the constraints faced by Rural Youths
3	Strategy meeting of Line departments, Discussion during R-E linkage meeting & bi-weekly meeting	To upgrade the knowledge of In-service Personnel

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

Sl. No	Name of the Equipment	Qty.
1	Mridaparikshyak mini soil testing kit	1

## 3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (in Rs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
500			2500	9	-----

## 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	Jointly celebrated with Dept. of Ag., Bargarh	200	3		200	200

## 3.11.d. Details of other samples like Plant, Water analyzed so far

Name of Samples analyzed	No. of Samples analyzed	No. of Farmers benefitted	No. of Villages covered	Amount realized (Rs.)
Plant				
Water				
Other (fertilizers, manure, food etc.)				

## 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
Awareness camp on Seed treatment	1	30	Seed treatment with Trichoderma viridae
Swachhata Abhijan	1	60	Cleaning of village road
Kisan mela	1	Mass	Creating awareness on new Technologies
Awareness on importance of fingermillet	1	25	Value added products of fingermillet
Demonstration of women friendly tools for drudgery reduction	1	40	Demonstration of Knapsack sprayer
Awareness on Soil test	1	40	Collection & testing of soil sample

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

No of student trained	No of days stayed
33	106

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
11.10.25	Mr. Pradeep Purohit, Hon'ble M.P, Bargarh	Attended Krushi Dhana Dhanya prog.
05.10.25	Prof. P. K. Roul , Hon'ble Vice-Chancellor, Prof. P. J. Mishra, Dean, Directorate of Extension Education & Prof. N. Panda, Dean, Research, OUAT, BHUBANESWAR	Review of on-going activities

## 4. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Application of lime @0.25 LR (applied 15 days before flowering) along with 50 % N-P2O5-K2O (30-20-20 kg/ha) in finger millet	450	84	23500/ha	32640/ha
Seed treatment with Carboxin 37.5% + Thiram 37.5% (0.2%) + three foliar spraying with Tebuconazole 25 EC (0.1%) at 15 days interval starting from initiation of the infection for management of the purple blotch disease of onion	330	82	25480/ha	98600/ha
Cleaning of Orchard and two sprays of Imidachloprid 17.8SL @0.3ml/lit of water for controlling of Mango thrips (Coliothrips indicus)	180	88	68000/ha	115000/ha
Weeding is done by power weeder in paddy	250	74	19200/ha.	21500/ha.
Popularisation of Kadaknath breed of poultry	350	92	9660/20 birds	20870/20 birds

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

## 4.2. Cases of large-scale adoption

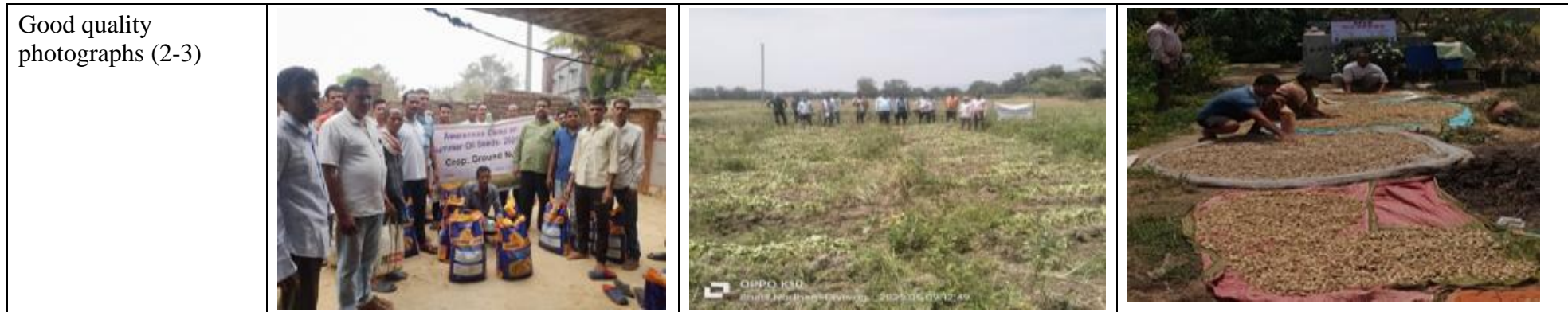
(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread
Popularisation of drought tolerant Groundnut Var. Kadriepaksh	14 villages of 4 blocks

Give information in the same format as given below

Name of farmer	Karuna Sahu
Address	S/o- Bisiketana Sahu, Vill. - Temeren, Po: Bhatli, PIN-768030, Dist. Bargarh, Odisha

Contact details (Phone, mobile, email Id)	Mob:6372346832
Landholding (in ha.)	2
Name and description of the farm/ enterprise	<p>KVK Scientists conducted an awareness camp on cultivation of crops having less water requirement than rice during summer season in the village and put emphasis on cultivation of drought tolerant groundnut after kharif rice in irrigated lands. After getting technical knowhow from KVK scientist he selected 0.4 hactres of irrigated upland and cultivated it by using cultivator and rotavator thoroughly. The KVK supplied him suitable groundnut variety- <b>kadrilepakshi</b> having higher yield potential 35qtl/ha during rabi and summer. Seed supply was made through Odisha state seeds corporation Ltd. at govt. price. The seed was treated with Vitavax Power @ 2.5g/kg seed and then with <i>Trichoderma viride</i> @ 5g/kg seed after 10 days and sown after application of 10 cartloads of compost/acre with balanced dose of fertilizers &amp; <i>Phospho-Gypsum</i> @ 100kg/acre, applied during time of hoeing and earthing up for better pod development. Timely irrigation was made at 15 days interval starting from 30 DAS followed by need based spraying of pesticide- <i>Profenphos</i> 50EC @ 2ml/ltr was done at 40 DAS for control of <i>Spodoptralitura</i>. Boron 20% was sprayed @ 1gm/lit to boost pod filling at flowering stage.</p> <p>The KVK scientist visited his field regularly. He was suggested for application of post emergence herbicide <i>Imazethapyr</i> 7% SL @ 400 gm. /acre at 20 DAS, which controlled the weeds drastically. During seedling stage the crop was affected by termite and controlled by spraying of Chloropyriphos 20 EC 2 5ml/lit. The crop was inspected at monthly interval and spraying of Carbendazim 12% + Mancozeb 63% @ 3gm /Lit of water was done to control <i>Cercospora</i> leaf spot diseases. He was trained to harvest the crop when the leaves turned yellow &amp; pods were fully matured. The seeds were dried under shade for better biological life.</p>
Economic impact	The number of pods /plants has been amazingly increased due to cultivation of sem spreading variety <i>KADRI LEPAKSHI</i> . The farmers harvested avg. of 45 pods/plant against 27 pods/plant from local variety. He got an average yield of 26.34Q/ha against 19.5q/ha from local variety with yield increase 30.16% with good pod filling. He earned a net profit of Rs. 57150/ha in compared to his earlier income of Rs. 26940/ha.
Social impact	He has started selling of the groundnut seeds to the interested farmers of local community. He is also a member of the local FPO, Bhatli where a portion of the seeds will be sold to members of the FPO for seed production.
Environmental impact	<p><b>Nitrogen Fixation:</b> Like other legumes, groundnuts have a symbiotic relationship with <i>Rhizobium</i> bacteria in their root nodules. They convert atmospheric nitrogen into a form plant can use, reducing the need for synthetic chemical fertilizers.</p> <p><b>Soil Health and Crop Rotation:</b> Groundnuts improve soil structure and organic matter. When used in rotation with cereals (like maize or millet), they break pest and disease cycles and enhance the yield of the subsequent crop.</p> <p><b>Water Efficiency:</b> Many varieties are relatively drought-tolerant compared to other oilseeds, making them suitable for rain-fed agriculture in water-stressed environments.</p>
Horizontal/ Vertical spread	Through diligent effort and timely adoption of improved groundnut varieties, he achieved remarkable success. His accomplishment has inspired farmers from 14 neighbouring villages, who are now eager to take up groundnut cultivation in the coming season.



#### 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
1	Three foliar spraying with (Metiram 55 % + Pyraclostrobin 5 %) WG @ 3g/l of water at 15 days interval starting from initiation of the disease	Effectively controlled Early Blight Disease in tomato	Increase in yield by 30.27 %
2	Application of STD (25 : 40: 50) along with Lime (0.2 LR) and 40 kg sulphur in groundnut	More oil content	Increase in yield by 18.1%
3	STD(50:20:25) + FYM @ 5 t/ha + S-21 kg/ha + Znso4-25kg/ha + B-1kg/ha Azotobactor seed inoculation in sesamum	Better plant ht. & branching, more no. of capsules per plant, more oil content in seed	Increase in yield by 22%
4	Cultivation of tuberose var. - Prajwal, spacing 45cmx20cm, NPK200:200:200kg/ha	Comparatively more no. of flowers per spike	Increase in yield by 23.4%
5	Agricultural Drone Sprayer for control of Stem borer in Paddy	Time and money are saved as labour requirement is less.	Spraying cost is reduced from Rs. 5220/- to Rs. 1875/-

#### 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	From Compost to Capital: Empowering the Farmers through Mushroom farming
Name & complete address of the entrepreneur	Mrs. Ilabati Meher At- Boromunda, Po- Patakulunda, Block- Barapali Dist.- Bargarh, Odisha-768104 Mobile No.- 7606033506
Role of KVK with quantitative data support:	<ul style="list-style-type: none"> <li>• Mrs. Ilabati Meher is a dynamic farm woman with a positive mindset and indomitable spirit.</li> <li>• She belongs to a family of five members comprising of her husband, mother-in-law and two daughters.</li> <li>• She was depressed from the meagre income of her husband from just four acres of land.</li> <li>• So, she always wanted to find a better additional alternate option to support her husband for making her family more financially sound.</li> <li>• She decided to go for paddy straw mushroom cultivation after watching the telecasted programme on profitable mushroom cultivation through T.V as paddy straw is abundantly available due to the paddy – paddy cropping system of her locality.</li> <li>• 3Out of her curiosity, she used the service of Kisan call 4center from where she got the contact number of Krishi Vigyan Kendra, Bargarh for technical assistance.</li> <li>• Then she contacted KVK for technical guidance and support for mushroom cultivation.</li> <li>• By observing her enthusiasm, she has been provided with twenty no. of paddy straw mushroom spawn bottles under FLD programme and trained on sterilization of paddy straw, maintenance of temperature and humidity of mushroom bed, harvesting and packaging of mushroom.</li> <li>• She was provided with knapsack sprayer &amp; Shade net by KVK for maintaining the moisture&amp; ventilation of the mushroom unit respectively.</li> <li>• Her beds are frequently visited at regular interval by scientist of KVK.</li> <li>• Soon after the first success from this, she started production of paddy straw mushroom in a commercial scale. She expanded paddy straw mushroom cultivation from straw to crumbled straw &amp; season from kharif to summer.</li> </ul>
Timeline of the entrepreneurship development	2023-24-paddy straw mushroom cultivation from paddy straw only during kharif 2024-25 - paddy straw mushroom cultivation expanded to summer with the help of a knapsack sprayer & sand was spreaded uniformly on the floor for maintaining the moisture at the mushroom unit 2025-26-Adopted crate method to reduce the labour cost
Technical Components of the Enterprise	Paddy straw, spawn, sickle, Wheat bran powder, polythene, Bavistin, Formalin, Crate

Status of entrepreneur before and after the enterprise	Before mushroom production she could able to earn Rs. 1,10000/- from her one acre of land& by working as a daily wage labourer. While She is now raising 30 beds of paddy straw mushroom per day during June to October and 20beds per day during March to April. She earns a net profit of Rs.166500 during last year by selling it @ Rs. 130–160/ Kg in rainy season and Rs. 250-280 Kg in early summer
Present working condition of enterprise in terms of raw materials availability, labor availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	At present she was able to utilize left over threshed paddy straw. In this way she was able to save the environment from the hazardous impact of straw burning. She managed labour problem by adoption of mushroom production with crate method. More consumers are attracted towards her bigger size fruiting bodies of mushroom. She is now a popular progressive mushroom lady in her block She has established a unique place in the local & distance places for marketing of paddy straw mushroom.
Horizontal spread of enterprise	Being inspired by her success, the house wife and youth of the nearby villages are coming forward to adopt mushroom cultivation as a profitable venture.



4.6. Any other initiative taken by the KVK

## 5. LINKAGES

### 5.1. Functional linkage with different organizations

ICAR-IIHR, Bengaluru	Supplying vegetable seeds to KVK for demonstration at different location of Bargarh district
ICAR-NRRI, Cuttack	Agro advisory services, contingent planning, providing improved paddy seeds, pre-Kharif campaign
ICAR-CIWA, BBSR	Popularization of women friendly tools
AICRP on Floriculture	Supply of Tuberose Bulbs & Marigold seedlings
Dept. of Agriculture, Bargarh	Pre-Kharif campaign, Creating awareness Campaign on Soil Health and safe use of pesticides, collaborative



## 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	

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

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

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Poultry	Vezaguda	chicks	500	22740	29500	Distributed in FLD prog.
2.							

## 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)
November	40	6	

(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	Q II	Q III	Q IV	Q V	Q VI

## 7. FINANCIAL PERFORMANCE

### 7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Contingency (ICAR Funding)	State bank of India	Godbhaga	10777584215
Revolving fund	State bank of India	Godbhaga	30163765041
Seed hub	State bank of India	Kadobahal	36026592693
ATMA (Other than ICAR Funding)	State bank of India	Godbhaga	39378025653
CFLD Oilseeds	State bank of India	Godbhaga	41603817820
CFLD Pulses	State bank of India	Kadobahal	42009894337
Natural Farming	State bank of India	Kadobahal	42009750848
Skill Dev. Training Programme	State bank of India	Godbhaga	42622050226
RPL/Up-Scalling	State bank of India	Godbhaga	42622048398

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

Item	Released by ICAR		Expenditure		Unspent balance as on 31.12.2025
	Kharif	Rabi	Kharif	Rabi	
CFLD Oilseed Sesamum	230750	0	230750	0	0

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

Item	Released by ICAR		Expenditure		Unspent balance as on 31.12.2025
	Kharif	Rabi	Kharif	Rabi	

### 7.3 Utilization of KVK funds during the year 2024-25

Sl. No.	Items / Head	Sanctioned grant (Council's share)	Opening Balance on 01.04.2024	Grant received (Council's share)	Expenditure (Council's share)	Variation	
						(+) Saving 7 (4+5)-6	(-) Saving 8
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>		
<b>A. RECURRING CONTINGENCIES</b>							
1.	Pay and allowances		0				
2.	Travelling allowances	1,50,000	31	1,49,969	1,50,000	0	0
3.	HRD	30,000	21,839	8,161	30,000	0	0
4.	<b>Contingencies</b>	<b>8,50,000</b>	<b>14,492</b>	<b>8,35,508</b>	<b>8,50,000</b>	<b>0</b>	<b>0</b>
a.	Stationary, telephone, postage & other exp. on office running publication of newsletters	400000		400000	400000	0	0
b.	POLs, repair of vehicles, tractor & equipments						
c.	Meals / refreshment for residential and non-residential training	225000		225000	225000	0	0
d.	Training materials (need based material and equipments for						

	conducting the training)						
e.	Frontline Demonstration	113000		113000	113000	0	0
f.	On-farm testing (on need-based location specific and newly generated information of the major production systems of the area)	112000		112000	112000	0	0
g.	Integrated Farming system	-		-			
h.	Training of Extension functionaries	-		-			
i.	Extension Activities	-		-			
j.	Farmers' Field School	-		-			
k.	EDP / Innovative activities	-		-			
l.	Soil & Water testing & issue of soil Health cards	-		-			
m.	Display Board0	-		-			
n.	Maintenance of buildings	-		-			
o.	SCSP	10,00,000	92	9,99,908	10,00,000	0	0
	<b>Total (A)</b>	<b>20,30,000</b>	<b>36,454</b>	<b>19,93,546</b>	<b>20,30,000</b>	<b>0</b>	<b>0</b>
<b>B. NON-RECURRING CONTINGENCIES</b>							
1	Equipment's & Furniture						
	a) Procurement of Tractor						
	b) Equipment's & Furniture	0	3,415	0	0	3,415	
	c) Information Technology	0	203	0	0	203	
2	Works (Demo Unit)	3,50,000	0	3,50,000	3,50,000	0	
	Bore Well						
3	Vehicle						
4	Library	10,000	0	10,000	10,000	0	
	<b>Total (B)</b>	<b>3,60,000</b>	<b>3,618</b>	<b>3,60,000</b>	<b>3,60,000</b>	<b>3,618</b>	
	<b>TOTAL (A+B+C)</b>	<b>23,90,000</b>	<b>40,072</b>	<b>23,53,546</b>	<b>23,90,000</b>	<b>3,618</b>	

## 7.4 Utilization of KVK funds during the year 2025-26 (Not audited)

Sl. No.	Items / Head	Sanctioned grant (Council's share)	Opening Balance on 01.04.2024	Grant received (Council's share)	Expenditure (Council's share)	Variation	
						(+) Saving	(-) Saving
1	2	3	4	5	6	7 (4+5)-6	8
<b>A. RECURRING CONTINGENCIES</b>							
1.	Pay and allowances		0				
2.	Travelling allowances	100000	0	100000	100000	0	0
3.	HRD	15000	0	15000	15000	0	0
4.	<b>Contingencies</b>	<b>500000</b>	<b>0</b>	<b>500000</b>	<b>500000</b>	<b>0</b>	<b>0</b>
a.	Stationary, telephone, postage & other exp. on office running publication of newsletters					0	0
b.	POLs, repair of vehicles, tractor & equipments						
c.	Meals / refreshment for residential and non-residential training						
d.	Training materials (need based material and equipments for conducting the training)					0	0

e.	Frontline Demonstration					0	0
f.	On-farm testing (on need-based location specific and newly generated information of the major production systems of the area)					0	0
g.	Integrated Farming system	-		-			
h.	Training of Extension functionaries	-		-			
i.	Extension Activities	-		-			
j.	Farmers' Field School	-		-			
k.	EDP / Innovative activities	-		-			
l.	Soil & Water testing & issue of soil Health cards	-		-			
m.	Display Board0	-		-			
n.	Maintenance of buildings	-		-			
o.	SCSP	585000	0	5850000	5850000	0	0
	<b>Total (A)</b>	<b>1200000</b>	<b>0</b>	<b>1200000</b>	<b>1200000</b>	<b>0</b>	<b>0</b>
<b>B. NON-RECURRING CONTINGENCIES</b>							
1	Equipment's & Furniture						
	a) Procurement of Tractor						
	b) Equipment's & Furniture						
	c) Information Technology						
2	Works (Demo Unit)						
	Bore Well						
3	Vehicle						
4	Library						
	<b>Total (B)</b>						
	<b>TOTAL (A+B+C)</b>	<b>1200000</b>	<b>0</b>	<b>1200000</b>	<b>1200000</b>		

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

Year	Opening balance as on 1 <sup>st</sup> April	Income during the year	Expenditure during the year	Net balance in hand as on 1 <sup>st</sup> April of each year (Kind + cash)
2015-16	0.22	17.21	14.84	2.46
2016-17	2.46	2.30	5.16	0
2017-18	0	4.20	6.84	2.64
2018-19	2.64	9.53	6.56 + 5.0 (Profit Deposit to DEE, OUAT) = 11.56	0.61
2019-20	0.61	5.71	5.56	0.26
2020-21	0.26	10.26	4.20 + 4.50 (Profit Deposit to DEE, OUAT) = 8.90	1.72
2021-22	1.72	6.73	4.15 + 2.5 (Profit Deposit to DEE, OUAT) = 6.65	1.98
2022-23	1.98	4.13	5.49 (Profit Deposit to DEE, OUAT) = 0.50	0.12
2023-24	0.12	12.55	10.78 (Profit Deposit to DEE, OUAT) = 6.50	1.89
2024-25	1.00	4.62489	5.14914 (Profit Deposit to DEE, OUAT) = 0.50	0.00465
2025-26	0.00465	9.72398	972811 (Profit Deposit to DEE 2.10	0.00052

- 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- Value added products from rice, finger millet & vegetables. Duckery, poultry, Dairy management, vermicompost production, vegetable cultivation, Mushroom production, Use of gender friendly farm tools,  
(iii) Details of marketing channels created for the SHGs- Marketing of value added products in near locality, supply of ladoos to school, marketing of vegetables has been channelized to Sambalpur, Jharsugarh & Bhubaneswar market & paddy straw mushroom to near by Bargarh & Attabira NAC market

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With linedepartment	WithATMA	With both
Research-Extension linkage meeting	10	Kharif & Rabi	-	-	Both
Pre-kharif campaign	15	Kharif	-	-	Both
Celebration of special days (Krishak Diwas, World Food Day, Women in Agriculture Day, Mahila Kisan Divas, y etc.)	6	Kharif & Rabi	-	-	Both
Field visit	58	Kharif & Rabi	-	-	Both
Dist. Level Farmers Fair	2	Rabi	-	-	Both
Dist. Strategy meeting	2	Kharif & Rabi	-	-	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)
Stem borer	Paddy	08.05.25	200	22	Spraying with the combination of Chlorantraniliprole 20% SC @ 0.3 ml/l + Cartap hydrochloride 50% SP @ 2 g/l + Triflumezopyrim 10% SC @ 0.48 ml/l at 25, 50 and 65 DAT

8.2. Prevalent diseases in Livestock/Fishery

Name of the disease	Species affected	Date of outbreak	Number of death/ Morbidity rate (%)	Number of animals vaccinated	Preventive measures taken in pond (in ha)
Foot & mouth disease	Local young calves	20.11.2025	12	420	-

## 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 &amp; 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. Kisan Mobile Advisories (National Farmers' Portal/ SMS Portal/ mKisan Portal)

Type of message	No. of messages sent (Text + Voice + Video)	No. of farmers benefitted
Crop	21	118145
Livestock	2	118145
Fishery	1	118145
Weather		-
Marketing		-
Awareness	4	118145
Other		-
<b>Total</b>	27	118145

## 9.4. KVK Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	
2.	No. of farmers registered in the portal	118145
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
17.09.25	Ek Ped Maa Ke Nam
19.09.25	Conduct of slogan-writing competitions, quizzes, and jingles related to the Swachh Bharat Mission (SBM) to engage younger audiences and raise awareness at Andharipalli U.P school
20.09.25	Organization of outreach campaign for swachhata at Office of ADAO, Bargarh- Awareness on swachhata impacted to 40 DASEI trainees by SSH, KVK, Bargarh on sustainable practices.
22.09.25	Awareness camp on reduce, reuse, recycle activities at village Dumalpali
23.09.25	Cleaning of school surrounding at Govt. M.E. School, Naikenpali
24.09.25	Cleaning of Temple Surroundings at Kadobahal
24.09.25	Awareness camp at village Remenda
25.09.25	Cleaning of KVK campus
26.09.25	Drawing competition
28.10.25	Rally at village Nuapada
16.12.25	Swachhata Pledge Day
17.12.25	Swachhata Awareness Day

## b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	6	-
2. Basic maintenance	48	5400
3. Sanitation and SBM	54	8000
4. Cleaning and beautification of surrounding areas	16	3000
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	10	2500
6. Used water for agriculture/ horticulture application	12	500
7. Swachhta Awareness at local level	16	4000
8. Swachhta Workshops	1	1000
9. Swachhta Pledge	1	500
10. Display and Banner	2	500
11. Foster healthy competition	1	200

12. Involvement of print and electronic media	1	
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	320	6400
14. No of Staff members involved in the activities	10	-
15. No of VIP/VVIPs involved in the activities		
16. Any other specific activity (in details)		
<b>Total</b>		

## 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
Andharipali U.P school	10.10.25	.01 ac	Powerpoint,

Give good quality 1-2 photograph(s)



9.9. Details of ‘Pre-Rabi Campaign’ / ‘Pre-Kharif 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 Zila Panchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total		
29.05.25-12.06.25	-	-	-	-	5	-	4	31183	307	31490	-	12

Please provide good quality photographs:



9.10. Details of Swachhta Hi Seva/ Swachhta Pakhwada programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Village Rally, Awareness campaign, swachhata pledge, cleaning of village temple & road	18	1154	-	

Please provide good quality photographs:



## 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	<ul style="list-style-type: none"> <li>• Promoting SHG activity</li> <li>• Training on seedling raising</li> <li>• Felicitation to best Farm women</li> </ul>	2	50	-	

Please provide good quality photographs:



## 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	Mr. Diljit Barik	Ainlapali, Bheden, 8917234642	Poultry
2	Mr. Gobinda Bag	Jhiliminda, Atabira, 8658643623	paddy
3	Sri jayanta Sahoo	Nuagarh, Bhatli9348374402	Mango rchard
4	Sri Jaya kumar Behera	Remenda, Bheden,8327734630	Poultry
5	Sri Hrushikesh Padhan	Baragaon, Bargarh, 7873206375	vermicompost
6	Sri Gokul Barik	Gurkhapai, Attabira, 6371351282	vegetable
7	Sri Susanta Naik	Barapali, Baragarh9337564041	Fishery
8	Sri Balgopal Bhoi	Bhoitikra, Barapali7008141461	Farm Machinaries
9	Smt. Bilashini Gadua,	Gurkhapali, Attabira, 7327048701	Marigold

Sl.No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1	Mr. Diljit Barik	Ainlapali, Bheden, 8917234642	Poultry
2	Mr. Gobinda Bag	Jhiliminda, Atabira, 8658643623	paddy
3	Sri jayanta Sahoo	Nuagarh, Bhatli9348374402	Mango rchard
4	Sri Jaya kumar Behera	Remenda, Bheden,8327734630	Poultry
5	Sri Hrushikesh Padhan	Baragaon, Bargarh, 7873206375	vermicompost
10	Smt. Santoshini Danasena	Bundubahal,Gaislet, 9583700526	Dairy

### 9.13. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Training Hall Hiring charges	17200	VOTI, Odisha
2.	Farmers Hostel Hiring charges	6000	VOTI, Odisha
3.			

### 9.14. Resource Generation:

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

### 9.15. Performance of Automatic Weather Station in KVK

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

### 9.16. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Odisha	Bargarh	CRP	12	360	Gap filling should be done to compensate poor germination of paddy seedlings due to early season drought

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Odisha	Bargarh	ICM	11	165	Promotion of Green manuring in paddy to increase water holding capacity through FYM
Odisha	Bargarh	IPM	14	210	Proper spraying techniques & drainage of standing water for BPH management in paddy
Odisha	Bargarh	IWM	2	50	Spraying of 1% kaolinite clay to restrict transpiration loss in green gram
Odisha	Bargarh	INM	7	110	Foliar Sparying of Boron in cauliflower to avoid cracking

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

a) Year:

b) Introduction / General Information:

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

Please provide good quality photographs:

#### 11. Details of DAPST/ TSP

a. Achievements of physical output under TSP during 2025

##### Progress of DAPST for the year 2025 (Jan. to Dec., 2025)

Name of KVK							
Sl. No.	Item/Activity		Units	Activities/ Items No.		No. of Beneficiaries	
				AnnualTargets	Achievements	AnnualTargets	Achievements
1	<b>Trainings (Capacity building/ Skill Development etc.)</b>		No.				
	1.1	1-3 days	No.				
	1.2	4-10 days	No.				
	1.3	2-4 weeks	No.				
	1.4	More than 4 weeks	No.				
2	<b>On Farm Trials (OFTs)</b>		No.				
3	<b>Front Line Demonstrations (FLDs) and other demonstrations</b>		No.				
4	<b>Awareness camps, exposure visits etc.</b>		No.				

5	<b>Input Distribution</b>					
	5.1	Seeds (Field Crops)	Tonnes			
	5.2	Seeds (High Value Crops, spices etc.)	kg			
	5.3	Seeds (Root & Tuber Crops)	tonnes			
	5.4	Nursery plants	No.			
	5.5	Cutting , slips, suckers, etc	No.			
	5.6	Mushroom Spawns/ Bio-Fertilizers (in Packets)	Packets			
	5.7	Honey Bee Colonies	No.			
	5.8	Animals-large (Cattle/ Buffalo/ camel/horse/donkey/Mithun/Yak etc.)	No.			
	5.9	Animals-small (pig, sheep, goat etc.)	No.			
	5.1	Poultry chicks / duckling etc	No.			
	5.11	Fish Spawns/ fingerlings	No.			
	5.12	Small equipment's (upto Rs 2000)	No.			
	5.13	Medium Equipment's/ machinery (upto Rs 25000)	No.			
	5.14	Large Equipment's / machinery (> Rs. 25000)	No.			
	5.15	Infrastructure / Civil Works/ Ponds etc	No.			
	5.16	Setting up plant nursery/ seed farm/ hatchery	No.			
	5.17	Land development/ Reclamation / Conservation	hectares			
	5.18	Fertilizers (NPK)/ Secondary fertilizers	tonnes			
	5.19	Micro nutrients	tonnes			
	5.2	FYM/ Vermicompost	tonnes			
	5.21	Soil amendments (Gypsum, lime etc.)	tonnes			
	5.22	Plant protection chemicals	kg			
	5.23	Plant growth Promoter	kg			
	5.24	Animal Feed	tonnes			
	5.25	Animal Fodder	tonnes			
	5.26	Animal medicines	doses			
5.27	Any other (Liquid PSB etc.)	Litre				
6	<b>Services/Facilitation</b>					
	6.1	Animal Health Camps	No.			
	6.2	Artificial Insemination / Vaccination	No.			
	6.3	Veterinary Services (Hospitalization, on-site treatment, PD, surgery etc)	No.			
	6.4	Testing samples of Soil, plant, water, feed, fodder and livestock	No.			
	6.5	Promotion of agri-entrepreneurship	No.			
	6.6	Promotion of IFS, IOFS, Natural Farming, Nutrigarden, kitchen garden, orchards etc	No.			
	6.7	Creation of market links of farm produces	No.			
	6.8	Use of Institute Facilities (Processing etc.) (in Hours)	Hours			

	6.9	Subsidies/ Assistance (50% of Project cost, Max. Rs 10,000/beneficiary)	No.				
7	<b>Distribution of Literature</b>		No.				
8	<b>Employment generation for livelihood</b>		(Man-months)				
9	<b>Fellowship, Stipends or Scholarship</b>		No.				
10	<b>Area oriented R&amp;D Activity (project addressing the problems of agri. Sector faced by the SC/STs and benefit directly, which is measurable and identifiable)</b>		No. of projects				
11	<b>Monitoring &amp; Evaluation of DAPSC/ST (upto 3%)</b>						
12	<b>Any other (specify)</b>						

b. Fund received under TSP in 2025-26 (Rs. In lakh):

## 12. Details of DAPSC/ SCSP

a. Achievements of physical output under SCSP during 2025

### Progress of DAPSC for the year 2025 (Jan. to Dec., 2025)

Name of KVK							
Sl. No.	Item/Activity		Units	Activities/ Items No.		No. of Beneficiaries	
				Annual Targets	Achievements	Annual Targets	Achievements
1	<b>Trainings (Capacity building/ Skill Development etc.)</b>		No.				
	1.1	1-3 days	No.				
	1.2	4-10 days	No.	40	40	1000	1000
	1.3	2-4 weeks	No.	8	8	120	120
	1.4	More than 4 weeks	No.				
2	<b>On Farm Trials (OFTs)</b>		No.	4	4	28	28
3	<b>Front Line Demonstrations (FLDs) and other demonstrations</b>		No.	16	16	160	160
4	<b>Awareness camps, exposure visits etc.</b>		No.	4	4	100	100
5	<b>Input Distribution</b>						
	5.1	Seeds (Field Crops)	Tonnes	16	16	1200	1200
	5.2	Seeds (High Value Crops, spices etc.)	kg	800	800	800	800
	5.3	Seeds (Root & Tuber Crops)	tonnes	2	2	60	60
	5.4	Nursery plants	No.	100000	100000	240	240
	5.5	Cutting , slips, suckers, etc	No.	5000	5000	50	50
	5.6	Mushroom Spawns/ Bio-Fertilizers (in Packets)	Packets	2000	2000	40	40
	5.7	Honey Bee Colonies	No.	12	12	12	12
	5.8	Animals-large (Cattle/ Buffalo/ camel/horse/donkey/Mithun/Yak etc.)	No.				
	5.9	Animals-small (pig, sheep, goat etc.)	No.				

5.1	Poultry chicks / duckling etc	No.	500	500	20	20
5.11	Fish Spawns/ fingerlings	No.	5000	5000	50	50
5.12	Small equipment's (upto Rs 2000)	No.	100	100	100	100
5.13	Medium Equipment's/ machinery (upto Rs 25000)	No.	4	4	4	4
5.14	Large Equipment's / machinery (> Rs. 25000)	No.	1	0	0	1
5.15	Infrastructure / Civil Works/ Ponds etc	No.				
5.16	Setting up plant nursery/ seed farm/ hatchery	No.	12	12	12	12
5.17	Land development/ Reclamation / Conservation	hectares	24	24	48	48
5.18	Fertilizers (NPK)/ Secondary fertilizers	tonnes	4	4	40	40
5.19	Micro nutrients	tonnes	2	2	40	40
5.2	FYM/ Vermicompost	tonnes	5	5	50	50
5.21	Soil amendments (Gypsum, lime etc.)	tonnes	6	6	100	100
5.22	Plant protection chemicals	kg	500	500	200	200
5.23	Plant growth Promoter	kg	100	100	40	40
5.24	Animal Feed	tonnes	2	2	20	20
5.25	Animal Fodder	tonnes	4	4	20	20
5.26	Animal medicines	doses	200	200	200	200
5.27	Any other (Liquid PSB etc.)	Litre	400	400	40	40
6	<b>Services/Facilitation</b>					
6.1	Animal Health Camps	No.	2	1	100	50
6.2	Artificial Insemination / Vaccination	No.	500	500	125	125
6.3	Veterinary Services (Hospitalization, on-site treatment, PD, surgery etc)	No.	0	0	0	0
6.4	Testing samples of Soil, plant, water, feed, fodder and livestock	No.	100	100	100	100
6.5	Promotion of agri-entrepreneurship	No.	24	24	24	24
6.6	Promotion of IFS, IOFS, Natural Farming, Nutrigarden, kitchen garden, orchards etc	No.	100	100	100	100
6.7	Creation of market links of farm produces	No.	20	20	20	20
6.8	Use of Institute Facilities (Processing etc.) (in Hours)	Hours	200	200	100	100
6.9	Subsidies/ Assistance (50% of Project cost, Max. Rs 10,000/beneficiary)	No.				
7	<b>Distribution of Literature</b>	No.	2000	2000	2000	2000
8	<b>Employment generation for livelihood</b>	(Man-months)	2000	2000	2000	2000
9	<b>Fellowship, Stipends or Scholarship</b>	No.				
10	<b>Area oriented R&amp;D Activity (project addressing the problems of agri. Sector faced by the SC/STs and benefit directly, which is measurable and identifiable)</b>	No. of projects				
11	<b>Monitoring &amp; Evaluation of DAPSC/ST (upto 3%)</b>					
12	<b>Any other (specify)</b>					

b. Fund received under SCSP in 2025-26 (Rs. In lakh):

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

Natural Resource Management

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

Crop Management

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

Livestock and fisheries

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

Institutional interventions

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

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa  
Technology (ies) popularized/ scaled up during the year

- a)
- b)
- c)

## 14. Awards/Recognition received by the KVK

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

## Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1	Best progressive Farmer	<b>Sri Shyam Patel</b>	2025	OUAT, BBSR	-	Promotion of Floriculture in Bargarh district

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

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

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1	Rajib Lochan FPCL	01/ Bargarh/05.01.22	05.01.22	Seed, Pesticides, Bio-fertilisers	Paddy, Vermicompost	750	364655/-	organic products
2	Vir Surendra sai FPCL	02/ Bargarh/05.12.21	05.12.2021	Seed, Pesticides, Bio-fertilisers Oil extraction	Paddy, Groundnut, sunflower, Mustard	972	35,00,000/-	Marketing of the value added products

## 17. 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

## 18. Information on Visit of Ministers to KVKs, if any (Please provide good quality photographs)

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)
11.10.25	Mr. Pradeep Purohit	Hon'ble M.P, Bargarh	Attended the live telecast prog. on Krushi Dhana dhanya organized by KVK, Bargarh - Addressed the importance of oilseed & pulse production to the farmers

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)
			- - Emphasized on adoption of Integrated farming system

## 19. a) Information on ASCI Skill Development Training Programme, if undertaken during 2024

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 SIP Portal (Y/N)	Fund utilized for the training (Rs.)
				SC		ST		Other			
				M	F	M	F	M	F		

(Please provide good quality photographs)

## b) Information on Skill Development Training Programme (Other than ASCI or less than 200 hrs., if any) if undertaken during 2024

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
<b>Dairy farming</b>	<b>SDT on Profitable dairy farming</b>	<b>3 days</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>2</b>	<b>18</b>	<b>2</b>	<b>20</b>	<b>50000</b>
<b>Layer farming</b>	<b>SDT on semi-commercial lay farming</b>	<b>3 days</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>50000</b>

## 20. Information on NARI Project(if applicable)

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

## 21. Any other programme organized by KVK, not covered above

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

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



Visit of Hon'ble Vice Chancellor, Dean Research, Dean Ext. Education, OUAT



Visit to Mushroom production Unit



Visit of Hon'ble DEE, OUAT



Visit of Hon'ble DEE, OUAT



Visit to Dragon Unit



Students from CA of Bhubaneswar & Cuttack visited under KUS



Farmers from Chattisgarh Agri. Dept. on Exposure visit



Radio Talk on protected cultivation



Radio Talk on value added products of Fingermillet



Radio Talk on seed production technology of greengram



Farmer- Scientist Interaction



Celebration of Vanamahotsav week



Exposure visit to KVK, Raipur



Jal Shakti Abhijan



Joint Diagnostic field visit with CDAO, Bargarh



Training on Natural Farming



Dist. Level Mastyua O prani Sampad Mela



Dist. Level farm mechanisation fair



Celebration of World Food Day



Exposure visit of UG Agriculture students



Exposure visit of farmers



OUAT foundation Day



Duckery unit



Nutritional Garden Unit



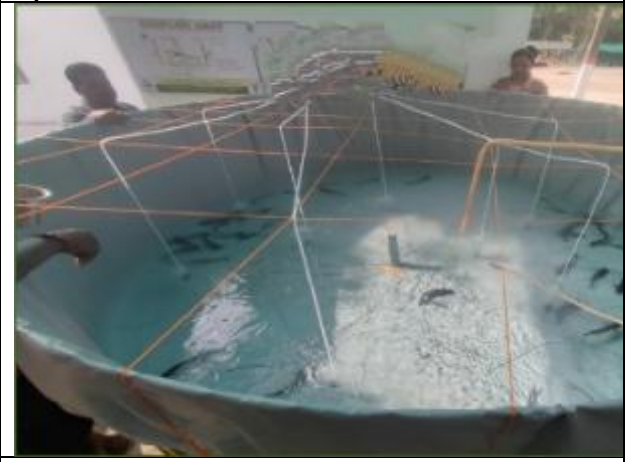
Spices unit



Azolla production unit



Trellis system



Bio-floc



PM KISSAN SAMMAN NIDHI PROGRAMME 2025



Dhan Dhanya Krishi Yojana 2025 Graced by Hon'ble MP, Bargarh

\*\*\*