PROFORMA FOR ANNUAL REPORT 2024 (January-December 2024)

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	
Senior Scientist & Head, Krishi Vigyan Kendra At-Arkabahali Pada Agriculture Farm Dist- Kalahandi Pin-766001 Ph. No-6373568845	--	--	Senior Scientist & Head, Krishi Vigyan Kendra At-Arkabahali Pada Agriculture Farm Dist- Kalahandi Pin-766001 Ph. No-6373568845

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

Address	Telephone		E mail
	Office	FAX	
Odisha University of Agriculture and Technology, Bhubaneswar Pin: 751 003	0674-2397362	2397933	Odisha University of Agriculture and Technology, Bhubaneswar Pin: 751 003

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Amitabh Panda	--	09437297307	amitabhp70@gmail.com

1.4. Year of sanction of KVK: 1994

1.5. Staff Position (**as on 1st January, 2025**)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist& Head	Dr. Amitabh Panda	Senior Scientist& Head	Horticulture	Basic- Rs.92500/-	17.05.2018	Permanent	OT
2	Subject Matter Specialist	Smt. Tulasi Majhi	Scientist(Horticulture)	Horticulture	Rs15600-39100/- AGP6000/-	22.05.2012	Permanent	ST
3	Subject Matter Specialist	Sri TribijayiBadjena	Scientist (Agril. Extn)	Agril. Extension	Rs. 82200/-	01.08.2022	Permanent	OT
4	Subject Matter Specialist	Dr. Shraddha Mohanty	SMS (Soil Science)	Soil Science	Basic- 56100/-	12.08.2024	Permanent	OT
5	Subject Matter Specialist	Binod Kumar Jena	Scientist (Plant Science)	Plant Breeding and Genetics	Rs15600-39100/- AGP Rs.6000/-	15.04.2024	Permanent	OBC
6	Subject Matter Specialist	Dr Jagamohan Meher	Subject Matter Specialist	Agricultural Engineering	56100	26/09/2019	Permanent	OBC
7	Subject Matter Specialist	-	-	-	-	-	-	-
8	Programme Assistant	Smt. Shubhasri Sahoo	Programme Asst. (Home science)	Home science	Rs. 35400-112400/-	04.07.2023	Permanent	OT
9	Computer Programmer	-	-	-	-	-	-	-
10	Farm Manager	-	-	-	-	-	-	-
11	Accountant / Superintendent	-	-	-	-	-	-	-
12	Stenographer	Sri Shyama Sundar Tudu	Jr. Steno-cum-Computer Operator	BA	25500/--81100/-32300/-	07.07.2023	Permanent	ST
13.	Driver	Sri Keshaba Chandra Sa	Driver-cum-Mechanic	10th	21700-69100/- Present Basic-28400/-	19.07.2008	Permanent	OBC
14.	Driver	Sri Pradeep Kumar Pradhan	Driver-cum-Mechanic	10th	21700-69100/-	27.07.2015	Permanent	OT
15.	Supporting staff	Sri Bhuta Naik,	Peon-cum-Watchman	8th	Rs.16600-52400/- Present Basic-24300/-	26.07.2008	Permanent	SC
16.	Supporting staff	Sri Sangita Goud,	Peon-cum-Watchman	8th	Rs. 4750-14680/- AGP Rs.1700/-	28.11.2014	Permanent	SC

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	2.0
2.	Under Demonstration Units	1.0
3.	Under Crops	14.0
4.	Orchard/Agro-forestry	2.0
5.	Others with details	(1.3)
6.	IFS	0.4
7.	Rain Harvesting Structure	0.4
8.	Farm Path	0.5
	Total	20.3

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	Completed	Completed	Completed	Completed	Completed	5929	Used	ICAR
2.	Farmers Hostel	Completed	Completed	Completed	Completed	Completed	756.25	Used	ICAR
3.	Staff Quarters (6)	Completed (02no.)	Completed	Completed	Completed	Completed		Used	ICAR
4.	Piggery unit	Not yet started	--	--	--	--	--	--	--
5	Fencing		--	--	--	--	--	--	--
6	Rain Water harvesting structure	Not yet started	--	--	--	--	--	--	--
7	Threshing floor	Completed	Completed	Completed	Completed	Completed	210	Used	RKVY
8	Farm godown	Completed	Completed	Completed	Completed	Completed		Used	ICAR

9.	Dairy unit	--	-	-	-	-	-	-	-
10.	Poultry unit	Completed	Completed	Completed	Completed	Completed	250	Used	RKVY
11.	Goatary unit	-	-	-	-	-	-	-	-
12.	Mushroom Lab	Completed	Completed	Completed	Completed	Completed	31.72	Used	RKVY
13.	Mushroom production unit	Completed	Completed	Completed	Completed	Completed	35.0	Used	RKVY
14.	Shade house	Completed	Completed	Completed	Completed	Completed	92.4	Used	RKVY
15.	Soil test Lab	Completed	Completed	Completed	Completed	Completed	40.0	Used	ICAR
16.	Portable carp hatchery	Completed	Completed	Completed	Completed	Completed		Not used	RKVY
17.	Portable hatching unit (Poultry)	Not yet started	Completed	Completed	Completed	Completed	11.2	Used	NICRA

* 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	900000	14550	Running condition
Tractor	2019	67783	915 hrs	Running condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Nitrogen analyser	2003	2,70,000	All the equipment are in functional condition except Nitrogen analyser and incubator	ICAR
Spectrophotometer	2003	65,000		ICAR
Ph meter	2003	4400		ICAR
Conductivity Meter	2003	5500		ICAR
Hot air oven	2003	16,000		ICAR

Chemical balance	2003	12,000		ICAR
Mechanical shaker	2003	14,000		ICAR
Water Bath	2003	12,000		ICAR
Incubator	2003	45,000		ICAR
Mridaparikshak kit	2017	90,300		ICAR
Autoclave (Fully automatic)	2011	62,000	Functional	RKVY
Hot air oven	2011	15,000	Functional	RKVY
Laminar Air Flow	2011	49,000	Functional	RKVY
Weighing Balance	2011	5400	Functional	RKVY
b. Farm machinery				
Rotavator	2005	7,00000	Functional	ICAR
Cultivator	2019	16,953	Functional	ICAR
MB plough	2005	31,000	Functional	ICAR
Power sprayer	2018	9500	Functional	ICAR
Power Tiller operated multi crop planter	2024	62220	Functional	ICAR
Ridger	2024	18660	Functional	ICAR
Mini Rice Mill	2025	29998	Functional	ICAR
Post Hole Digger	2025	14690	Functional	ICAR
Pump Set (5 HP)	2025	42601	Functional	ICAR
Land leveler	2025	20000	Functional	ICAR
Battery operated Sprayer(3nos)	2025	8961	Functional	ICAR
c. AV Aids				
Projector Epson S3	2018	30,900	AV aid is in functional condition	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Rotavator	2005	7,00000	Functional	ICAR
Cultivator	2019	16,953	Functional	ICAR
MB plough	2005	31,000	Functional	ICAR
Power sprayer	2018	9500	Functional	ICAR
Power Tiller operated multi	2024	62220	Functional	ICAR

crop planter				
Ridger	2024	18660	Functional	ICAR
Mini Rice Mill	2025	29998	Functional	ICAR
Post Hole Digger	2025	14690	Functional	ICAR
Pump Set (5 HP)	2025	42601	Functional	ICAR
Land leveler	2025	20000	Functional	ICAR
Battery operated Sprayer(3nos)	2025	8961	Functional	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.	28.11.2024	42	Popularization of mechanized DSR in the district	▪ Demonstration of DSR in 5 villages of Bhawanipatna and Narla blocks of the district for rice variety Chandragiri and Mahendragiri in 20 ha.(Village-Sankhairmal, Bhangabari, Indramal, Khairbadi and Bagpur) ▪ DSR in variety Chandragiri under RF in KVK during Kharif 2024. ▪ Popularization of DSR through NICRA in two villages, Bagpur and Khairbadi of Narla block area 20ha. ▪ 143 farmers of 8 villages adopted DSR in Bhawanipatna and Kesinga (Village-Boria, Nagupalla, Sankhairmal,Paralsingha, Chancher & etc) ▪ Imparted training 30 farmers & farm women (M-22, F-8) in collaboration with IRRI village Sankhairmal on dt.05.07.2024 Collaborative programme with Bayer India.	-
2			Focus on intercropping in mango orchard	▪ Two demonstrations on Pineapple as intercrop in Mango Orchards in Rengali, and Dahal villages of Kesinga and Narla blocks with 13nos. Of beneficiaries and 0.4 ha area during Kharif, 2024-25. ▪ Demonstration on blackpepper in Mango orchard under SCSP programme 2024-25 in village Ghatpada, Chhatrapur, Batelima, Mandiarucha of Lanjigarh blocks and Kendugupka village of	-

				bhawanipatna block of area 0.4ha with 13nos. Of beneficiaries. ▪ One training programme on "Intercropping in Mango Orchard" involving 30 nos of farmers and farm women (M-21,F-9) in Bhawanipatna block on dt. 26.09.2024.	
3			Technology intervention on millets	▪ Demonstration on IWM in ragi in rainfed upland in 13 no, Bhawanipatna Block with pre-emergence application of Oxyflurofen @ 37.5 g a.i./ha + one hand weeding at 45 DAT. ▪ Demonstration of ragi variety Shreeratna of OUAT, Bhubaneswar to 10 farmers at Gudang village under NICRA project of the KVK, 2024-25. ▪ 30 farmers and farmwomen (M-19,F-11) trained in Rengali village of Kesinga about improved production technology of ragi on dt.01.08.2024 . ▪ Convergence with Millet Mission for cultivation of ragi in 43 farmers' field (15 ha) in Bhawanipatna and Kesinga.	-
4			Processing and value added product of millets	▪ One vocational training on Value added products in Agricultural crops under 100 Days programme of ICAR covering 30 participants for 5 days (dt.23.09.2024 to dt.27.09.2024) involving preparation of Millet cookies, Millet-Mushroom cookies, Khir, Laddu. ▪ One sponsored training programme on primary processing, value addition and packaging of Ragi at KVK involving 30 farm women of Mission Shakti, GoO. ▪ One F and FW training at village Pokhara Block Th Rampur 26.12.23 covering 30 no. participants on Value addition in Ragi involving RTS products as Pakoda, Roti, Mandia Chalha etc.	-
5			Popularization of moisture conservation technology	▪ Poly mulching in vegetable crops in 10 farmers' field in tomato under NICRA project in 1.5 ha area. ▪ Seed treatment of pigeonpea using salicylic acid in 2.0 ha. At	-

				Khairbadi & Indramal village during Kharif season, 2024-25 under NICRA Project. ▪ Anti-transpirant application in vegetables to reduce moisture loss will be conducted in Rabi 2024-25 under NICRA Project. ▪ One training to 30 farmers and farm women (M-21,F-9) for soil moisture conservation in horticultural crops in Bagpur village under SCSP of NICRA Project on dt.20.07.2024. Popularization of Trench Bunding, raising bund height were also promoted. ▪ Seed production of Dhaincha by KVK in 2.5ha. ▪ Green manuring of Sunhemp in 2ha in Indramal & Khairbhadi village under NICRA Project.	
6			Need for area expansion of Kharif onion	▪ Training cum method demonstration on nursery management in the village Nuapada, Borda and Bargaon of Bhawanipatna block on dt.28.05.2024 ▪ With collaboration of horticulture department, one field visit conducted in Onion growing areas of village Sinapali, Gandamer and Golmunda on dt. 07.06.2024 ▪ Two nos. of Off campus Training programmes on Nursery management practices and weed management practices of onion involving 60 nos. of farmers and farm women (M-43,F-17) in Village Tentulipada and Indramal on dt.20.07.2023 and 18.08.2023.	-
7			Promotion of spices crops in the district	▪ 13 nos of progressive farmers for demonstration on blackpepper in mango orchard in village Ghatpada, Chhatrapur, Batelima, Mandiarucha of Lanjigarh blocks under SCSP Programme of KVK, Kalahandi. ▪ One OFT on Assessment of dual purpose coriander cultivars covering 07 no. of beneficiaries area 0.52 ha of adopted villages Rengali, Bindhaniguda and Kendugupka. ▪ One farmer & farm women (M-26,F-4) training programme was	-

				conducted covering 30 no. of beneficiaries on dt.11.07.2024 ▪ One Black Pepper nursery verification programme was conducted at Paralsinga Village of Kesinga Block in convergence with Horticulture Dept. ▪ During 2024-25, 50ha area was planted with Black Pepper as an intercrop in mango orchard in convergence with Horticulture Dept.	
8			Management practices of Important Pest and Diseases	▪ 2 acres paddy field in Amatha village of Kesinga block was infested by Bacterial leaf blight (BLB) found under diagnostic field visit on dt.22.08.2024 ▪ Amguda and Chichia village of Golamunda block was identified to be infested with Yellowing of leaves (2 ha area), Blast, Brown spot and sheath blight (2 acres) under paddy fields on dt. 30.08.2024 ▪ Two no.s of diagnostic field visit on BPH survey was conducted at Behera village of Dharmagarh Block and Salebhata village of Bhawanipatna Block. ▪ Conducted 2 nos. of Awareness campaign in village Indramal and Narla covering 100nos of beneficiaries and 1030 nos. of pest and disease sample collection and 58 nos. of diagnostic field visit under Plant health clinic project (MIDH) for the year 2023-24	-
9			Promotion of Azolla cultivation in farmer's field.	▪ Azolla unit established in KVK campus. ▪ In Nagupala village 30 Farmers and Farm women were trained on production and use of Azolla. ▪ Two hundred thirty farmers were supplied with Azolla free of cost from KVK for production and use. ▪ Awareness creation to 200 farmers for use of Azolla as livestock feed and biofertilizer has been popularized. ▪ One hundred eighteen farmers are provided with Azolla in convergence with Dept.	-
10			Need based training	▪ One training programme conducted involving 30 farmers of Village	-

			programme on value addition in Mango (Amba soda) to different SHG groups**.**	Melghara of Block Th.Rampur involving 30 farmer women of 3 WSHGs . ▪ One method demonstration on Mango Leather preparation was conducted in village Dumerguda of M.Rampur Block covering 30 farmers of 5WSHGs.	
11			Water use efficiency and resource conservation techniques should be disseminated to the farmers.	▪ Renovation of farm pond in Khairbadi village under NICRA Project for surface water conservation. ▪ Digging of trench in 2ha cashew fields in Indramal in convergence with MNREGA ▪ Cultivation of *Dhaincha* and sunhemp improve soil nitrogen and organic content in 5ha area in Indramal and Kharbadi. ▪ Cultivation of Hybrid Napier in 1 ha area to increase fodder for livestock. ▪ Training to 120 farmers and farm women in Indramal, Khairbhadi, Punjam and Kendugupka on water management and resource conservation for sustainable agriculture on dt. 20.07.2024, 5.11.2024 and 14.11.2024. ▪ Establishment of Natural farming unit to conserve soil micro flora and fauna and develop a healthy environment.	-

** Salient recommendation of SAC in bullet form*
Attach a copy of SAC proceedings along with list of participants

2.a. District level data on agriculture, livestock and farming situation (2024)

Sl. no.	Item	Information
1	Major Farming system/enterprise	Paddy+ Greengram Paddy+Paddy Cotton+ Fallow
2	Agro-climatic Zone	Western undulating
3	Agro ecological situation	Red Soil, Medium Rainfall, Medium elevation

		Red Soil, High Rainfall, Medium elevation Red Soil, High Rainfall, High elevation Red &Yellow Soil, High Rainfall, Medium elevation Black Soil, Medium Rainfall, Medium elevation Black Soil, High Rainfall, Medium elevation Alluvial Soil Forest Soil
4	Soil type	Red soil, mixed red & yellow and black soil
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Paddy – 42.0 Maize-34.9 Pigeonpea-9.2 Greengram-6.5 Groundnut- 19.7 Sunflower-14.6 Banana- 215.6 Mango-41
6	Mean yearly temperature, rainfall, humidity of the district	Temperature Max -33.4^{0}C Min-21.8^{0}C Humidity Max -70.8% Min-61.5% Rainfall :1166.6 mm
7	Production of major livestock products like milk, egg, meat etc.	Production of milk (in TMT) Cow-62.63, Buffallo-18.41, Production of Egg (in million nos.) C.P- 62.50, B.P-46.51, Production of Animal Meat (in TMT) Sheep- 0.95, Goat- 1.50

Note: Please give recent data only

2.b. Details of operational area / villages (2024)

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	Tentulipada	Bhawanipatna	Tentulipada	Paddy, Cotton, Greengram Onion and seasonal vegetable	• High weed infestation in rice • Low yield due to moisture trace condition • Low yield due to Severe infestation of sucking pest in cotton • High cost involved in cotton harvesting (charges towards Labour cost) • Limited use of fertilizer • Low yield due to high bacterial wilt • Low yield due to • Infestation of sucking pest in vegetable crop	Weed Management Conservation of soil moisture Suitable cropping system Pest and disease management Farm machinery in harvest and post harvest operation Integrated nutrient management
2	Rengali	Kesinga	Rengali	Paddy Cotton Pigeonpea Vegetables Animal Husbandry	• Low yield due to Severe infestation by different insect pests like SB, BPH, WBPH,LF, GM • Low yield due to Random application of Fertilizers • Less market demand of green colour ripened	Integrated disease pest management Nutrient management Processing and preservation

					banana • Indiscriminate application of non targeted pesticide in improper dose and improper application • Less return due to Distress sale during harvesting • Low milk yield due to Poor feeding management • Low body weight gain due to high incidence of worm infestation • Lack vaccination and deworming in livestock • Improper feeding to livestock	Proper application of insecticide Market led agriculture Off season farming Feed and health management Vaccination and health management
3	Kendugupka	Bhawanipatna	Kendugupka	Paddy cotton vegetable Animal husbandry	• Low yield due to Weed Infestation • Low yield due to high pest incidence due to lack of knowledge about proper pest surveillance method in proper time • Low yield due to incidence of mosaic virus in cowpea • Infestation of mite at reproductive stage of chilli • Low milk yield due to poor disease management • Low body weight gain due to poor genetic makeup of local goat	Weed management Pest and disease management in vegetable crops Production of organic inputs and organic farming Low cost feed management Feed and health management
4	Bindhaniguda	Jaipatna	Bindhaniguda	Paddy Pigeonpea Maize Blackgram vegetable Animal husbandry	• Low Yield due to Use of susceptible variety and YSB in tillering stage • Low yield due to Severe infestation of pod borer complex during flowering time • Poor seed setting and small cub size • Banded leaf and sheath blight • High mortality of mother and its kid due to high incidence of PPR goat pox • Low income from backyard poultry due to Rearing of desi birds • Low body weight gain due to poor feeding management	Use of HYV and pest management practices Pest management Crop management Disease management Feeding management Rearing of semi intensive poultry chicks
5	Badachergaon	Golamunda	Badachergaon	Paddy, Maize, Cauliflower, Groundnut Greengram Brinjal watermelon	• Low yield due to high pest incidence due to lack of knowledge about proper pest surveillance method in proper time • Low yield due to high incidence of Pest - FAW (Fall Army Worm) • Low yield due to Collar rot infestation during Kharif season • Low yield due to incidence of wilt • Less no. of female flower and fruit set in watermelon	Integrated pest management Integrated disease management Crop management practices Micronutrient management practices Use of organic products

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2024) for its development and action plan

Name of village	Block	Action taken for development
Tentulipada	Bhawanipatna	• Assessment of weed management practices in cotton • Assessment of effectiveness of various media for dissemination of agriculture information among youths • Demonstration of preparation of value-added product from Tamarind • Demonstration on transfer of technology through harnessing human values in agriculture • Demonstration on Sulphur & Lime application in rabi Groundnut • Demonstration on Integrated Nutrient Management in Potato • Demonstration of Tractor drawn Seed cum Fertilizer Drill for sowing of Groundnut
Rengali	Kesinga	• Assessment of weed management practices in cotton • Assessment of dual purpose coriander cultivars in Kharif • Assessment of Papaya hybrids • Demonstration on Pineapple as intercrop in Mango Orchards • Demonstration on Dragon fruit cultivation • Demonstration on Preparation of Jackfruit cookies • Demonstration of usefulness of crop/livestock calendar for improving the technical knowledge of farmers and application of technology • Demonstration of Tractor drawn Seed cum Fertilizer Drill for sowing of Groundnut • Assessment of sources and application methods of liming materials on greengram under acid soil
Kendugupka	Bhawanipatna	• Assessment of weed management practices in cotton

		• Assessment of dual purpose coriander cultivars in Kharif • Assessment of effectiveness of various media for dissemination of agriculture information among youths • Demonstration of Arka Microbial Consortium for yield enhancement in chilli • Demonstration on Dragon fruit cultivation • Demonstration of preparation of value-added product from Tamarind • Assessment of performance of different Ragi threshing machines for small and marginal farmers • Demonstration of tractor drawn multi crop seed cum fertilizer drill for direct seeding of rice
Bindhaniguda	Kalampur	• Demonstration of green manuring Cow pea in Niger • Assessment of dual purpose coriander cultivars in Kharif • Demonstration of soybean for diversification of upland rice • Demonstration on Dragon fruit cultivation • Demonstration on Mushroom Fortified Millets cookies • Demonstration on Sulphur & Lime application in rabi Groundnut • Demonstration on Pineapple as intercrop in Mango Orchards • Demonstration of Tractor drawn Seed cum Fertilizer Drill for sowing of Groundnut
Badchergaon	Golamunda	• Demonstration on Pineapple as intercrop in Mango Orchards • Assessing efficacy of ITK on disease pest management of vegetables available locally • Demonstration of preparation of value-added product from Tamarind • Demonstration on Preparation of MahuaLaddu • Assessment of suitable marketing strategies for better marketing of high value crops • Assessment of performance of different Ragi threshing machines for small and marginal farmers

2.1 Priority thrust areas

S. No	Thrust area

1.	Short window for agricultural operation (Kharif).
2.	Crop diversification in upland Rice to Pulse, Cotton, Vegetables, Fruits.
3.	Lack of suitable variety of Rice for proper land situation
4.	Non availability of suitable cold tolerant variety for Rabi green gram
5.	High menace of sporadic pest and disease.
6.	Non availability of cold storage and ripening chamber facility.
7.	Breed up gradation in small ruminants.
8.	Low cost feed for small and large ruminants
9.	Prevalence of lumpy skin disease in cattle
10.	Timely availability of fish seed.
11	Management of Soil Acidity through Efficient Liming Strategies for Enhanced Pulse Productivity in Acidic Soils
12	Soil Health Management and Balanced Nutrient Application in Groundnut
13	Promotion of Integrated Nutrient Management (INM) Practices in Potato Cultivation for Enhanced Yield, Soil Health, and Resource Efficiency
14	Enhancing pulse productivity through integrated use of biofertilizers, organic manures, and soil test-based fertilizer application
15	Promotion of low-cost, sustainable vermicomposting techniques for improving soil fertility and nutrient management.

3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD										
No. of technologies tested: 09												No. of technologies demonstrated: 18										
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
09	09	63	14	-	10	-	36	3	60	3	312	18	18	234	48	6	52	4	112	12	212	22	234

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
98	98	98	370	785	125	405	402	608	897	1798	2695	310	310	310									

Impact of capacity building											Impact of Extension activities										
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
125	111.8	122000	105000

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
	Poultry chicks-1200 nos. (NICRA-720 nos. SCSP-480 nos.) Table egg-172 nos. Live bird culled /deformed-109 kg	200 (Soil)	247 (Soil)

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	11	-	-	-	02	-	-

Seminar/conference/ symposia papers	04	-	-	-	-	-	-
Books	-	-	-	-	-	-	-
Bulletins	-	-	-	-	-	-	-
News letter	01	500	-	-	-	-	-
Popular Articles	06	500	-	-	-	-	-
Book Chapter	07	-	-	-	-	-	-
Extension Pamphlets/ literature	-	-	-	-	-	-	-
Technical reports	06	60	-	-	-	-	-
Electronic Publication (CD/DVD etc)	-	-	-	-	-	-	-
TOTAL	35	1060	-	-	-	-	-

3.1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessment of weed management practices in cotton
2.	Problem diagnosed	Low yield due to weed infestation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1- Application of pyrithiabac sodium 6% + Quizalfop ethyl 4% @ 500ml/ha at 20DAS as post emergence spray TO2- Pre emergence application of pendimethalin @330ml/ha and post emergence application of Quizalofop ethyl @1000ml/ha at 20 DAS
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CICR 2018
5.	Production system and thematic area	Cotton-fallow, Weed management
6.	Performance of the Technology with performance indicators	Pre emergence application of pendimethalin @330ml/ha and post emergence application of Quizalofop ethyl @1000ml/ha at 20 DAS has WCE of 76% with coton yield of 16.1quintals/ha (50.5% yield increase

		over control
7.	Final recommendation for micro level situation	Pre emergence application of pendimethalin @330ml/ha and post emergence application of Quizalofop ethyl @1000ml/ha at 20 DAS.
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Farmers participation of neighbour fields and villages

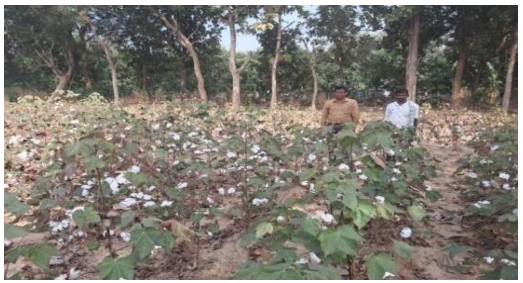
Thematic area: Crop Production

Problem definition: Low yield in cotton due to weed infestation

Technology assessed: Assessment of weed management practices in cotton

Table:

Technology option	No. of trials	Yield component		% Change in Yield	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Weed count/ m^2	WCE						
FP	-	7	56%	-	10.7	55500.00	80250.00	24750.00	1:1.4
TO1	7	4	64%	24.3	13.3	58600.00	99750.00	41150.00	1:1.7
TO2	7	2	76%	50.5	16.1	60700.00	120750.00	60050.00	1:1.9



OFT-2

1.	Title of On farm Trial	Assessment of herbicides for weed management practices in transplanted rice
2.	Problem diagnosed	Weed problem in rice causes yield loss
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1- Application of Cyhalofop butyl + Penoxsulam @ 135g/ha at 20DAT (OUAT-2020) TO2- Pre-emergence application of Pretilachlor @500 g/ha fb post emergence application of Chlorimuron ethyl + Metsulfuron methyl @ 4g/ha at 20DAT (OUAT-2015)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT 2020 and OUAT 2018
5.	Production system and thematic area	Rice-pulses, Weed management
6.	Performance of the Technology with performance indicators	Application of Cyhalofop butyl + Penoxsulam @ 135g/ha at 20DAT has resulted in WCE of 81% with rice yield of 47.8quintals/ha (21% yield increase over control.
7.	Final recommendation for micro level situation	Application of Cyhalofop butyl + Penoxsulam @ 135g/ha at 20DAT has been recommended for weed control in medium transplanted rice for better weed management and high yield
8.	Constraints identified and feedback for research	-The weed should be sprayed with herbicides succulent stage to have better weed control.

9.	Process of farmers participation and their reaction	Farmers participation of neighbour fields and villages, trainings, farmers field days

Thematic area: Weed Management

Problem definition: Weed problem in rice causes yield loss

Technology assessed: Assessment of herbicides for weed management practices in transplanted rice

Table:

Technology option	No. of trials	Yield component			% Change in Yield	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Weed count/ m^2	WCE	No. of Ear bearing tillers/m2						
FP	-	13	55%	185	-	39.5	61500.00	122450.00	60950.00	1:1.9
TO1	7	3	81%	278	21	47.8	64000.00	148180.00	84180.00	1:2.3
TO2	7	6	73%	264	9.1	43.1	63200.00	133610.00	70410.00	1:2.1

OFT-3

1.	Title of On farm Trial	Assessment sources and application methods of a liming materials on green gram in acid soil
2.	Problem diagnosed	Low productivity of green gram in acid soils due to poor nutrient availability and ineffective nodulation, resulting from soil acidity and suboptimal liming practices.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Use of soil test based fertilizers + FYM @2t/ha+Rhizobium inoculation@1.25kg per 25 kg of seed TO1: FP+soil application of lime @ 0.2LR

		TO2: FP+seed treatment with lime @4kg/25kg seed TO3: FP+ soil application of dolomite @ 0.2LR
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	FP, TO1, TO2- OUAT, 2016 TO3-BCKV, 1996
5.	Production system and thematic area	Rice-Greengram Soil Amelioration and Nutrient Management in Acid Soil
6.	Performance of the Technology with performance indicators	No. of pods/plant, grain yield, soil pH, OC, soil available N, P, K, B:C Ratio
7.	Final recommendation for micro level situation	The technology option TO2: FP+seed treatment with lime @2g/kg seed showed better yield and soil properties compared to TO1 and TO3.
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Group meeting and demonstration

Thematic area: Soil Amelioration and Nutrient Management in Acid Soil

Problem definition: Low productivity of green gram in acid soils due to poor nutrient availability and ineffective nodulation, resulting from soil acidity and suboptimal liming practices.

Technology assessed: FP: Use of soil test based fertilizers + FYM @2t/ha+Rhizobium inoculation@1.25kg per 25 kg of seed

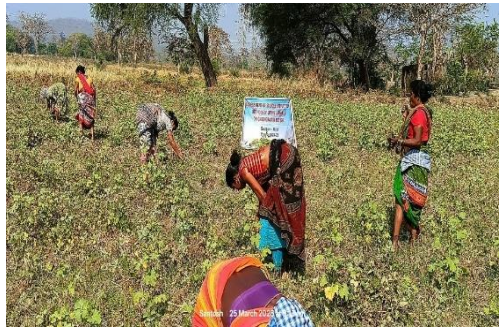
TO1: FP+soil application of lime @ 0.2LR

TO2: FP+seed treatment with lime @4kg/25kg seed

TO3: FP+ soil application of dolomite @ 0.2LR

Results:

Technology option	No. of trials	No. of pods/plant	Yield (q/ha)	pH (1:2.5)	OC (%)	Available N (kg/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	7	12.92	5.12	5.29	0.40	257	27718	44370	16652	1.60
TO1	7	13.51	6.00	5.45	0.41	261	29693	52200	22507	1.76
TO2	7	14.33	6.30	5.66	0.43	268	28748	54810	26062	1.91
TO3	7	13.95	5.66	5.64	0.45	272	30694	49242	18548	1.60



OFT-4

1.	Title of On farm Trial	Assessment of dual purpose coriander cultivars in Kharif
2.	Problem diagnosed	More demand and get higher market price
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1: coriander var. Arka Isha Line sowing of treated coriander seeds with Bavistin @ 1gm/100gm with average spacing of 5-10 cm plant to plant & 30 cm from row to row TO_2: coriander var.. Sadhana Line sowing of treated coriander seeds with Bavistin @ 1gm/100gm with average spacing of 5-10 cm plant to plant & 30 cm from row to row
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIHR, Bangalore, Annual report OUAT, 2009-10

5.	Production system and thematic area	Vegetable- Vegetable
6.	Performance of the Technology with performance indicators	Yield of green leaves obtained (kg/m^2), No. of cuttings for green leaf , Yield (q/ha) & economics
7.	Final recommendation for micro level situation	The technology option 1 get higher green leaf cuttings(4 cutting in 90 days) as compared to To2 (3 cutting in 90 days)
8.	Constraints identified and feedback for research	Farmer prefers coriander var. Arka Isha for more green leaf cutting
9.	Process of farmers participation and their reaction	Group discussion and Demonstration

Thematic area: varietal evaluation

Problem definition: More demand and get higher market price

Technology assessed: FP- Coriander var. AK-47

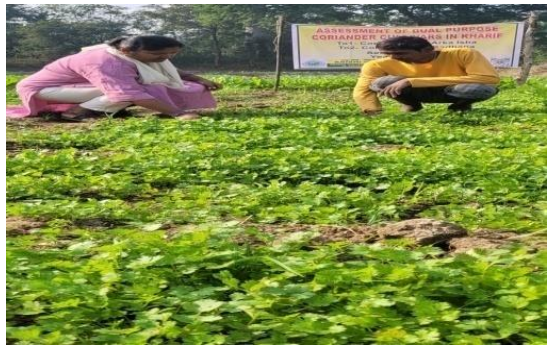
TO_1: coriander var. Arka Isha Line sowing of treated coriander seeds with Bavistin @ 1gm/100gm with average spacing of 5-10 cm plant to plant & 30 cm from row to row

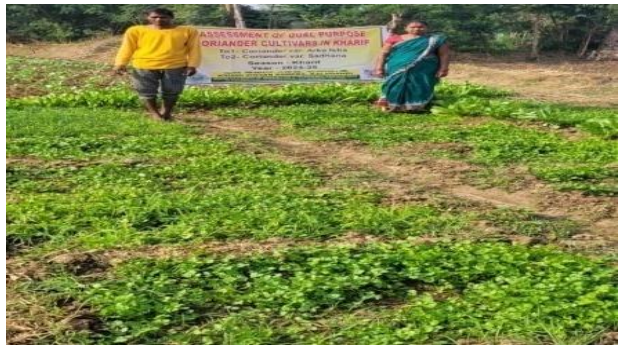
TO_2: coriander var.. Sadhana Line sowing of treated coriander seeds with Bavistin @ 1gm/100gm with average spacing of 5-10 cm plant to plant & 30 cm from row to row

Table:

Technology option	No. of trials	Yield component		% Change in Yield	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of cuttings for green leaf	Yield of green leaves obtained (kg/m^2)						

FP	-	-	2.5	-	53.5	51500	125500	74000	2.4
To1	7	4 cutting in 90 days	2.8	58.5	84.8	79800	210700	130900	2.6
To2	7	3 cutting in 90 days	1.5	48.7	79.6	75900	189900	114000	2.5





OFT-5

1.	Title of On farm Trial	Assessment of Effect on foliar application of micronutrient on growth and yield of Bittergourd
2.	Problem diagnosed	Low yield due to no use of secondary nutrients and micro nutrients
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: Foliar application of mixture of micronutrients involving Zn, Mo, Cu, Fe and Mn (50 ppm of Mo and 100 ppm each of rest 4 micronutrients). TO2: Combined application of micronutrients B and Zn @ 100 ppm each
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	To1- OUAT, Annual Report, 2014-15, To2- IIVR, Annual Report, 2017-18
5.	Production system and thematic area	Vegetable-Vegetable , Production management
6.	Performance of the Technology with performance indicators	Yield(q/ha), Fruit yield/ Plant(Kg)
7.	Final recommendation for micro level situation	Combined application of micronutrients B and Zn @ 100 ppm each

8.	Constraints identified and feedback for research	Research on micronutrients for other horticulture crop to be taken up
9.	Process of farmers participation and their reaction	Farmer get 24.2 % higher yield in combine application of micronutrient B & Zn @100ppm each

Thematic area:

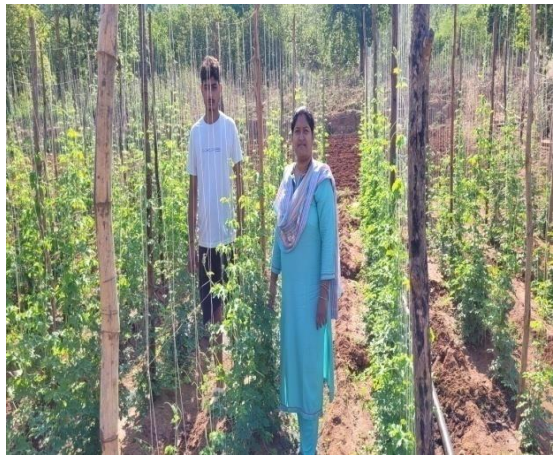
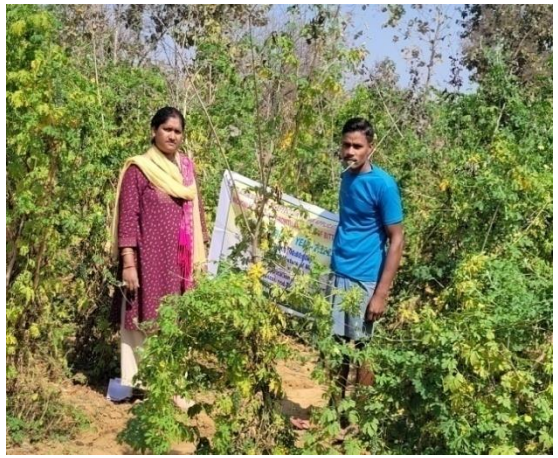
Problem definition: Low yield due to no use of secondary nutrients and micro nutrients

Technology assessed: TO1: Foliar application of mixture of micronutrients involving Zn, Mo, Cu, Fe and Mn (50 ppm of Mo and 100 ppm each of rest 4 micronutrients).

TO2: Combined application of micronutrients B and Zn @ 100 ppm each

Table:

Technology option	No. of trials	Yield component		% Change in Yield	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Fruit wt (g)	No. of Fruit/Plant						
FP	-	55.8	29	-	83.2	56600	127960	71360	2.2
To1	7	87.6	45	7.8	89.7	61250	146160	84910	2.3
To2	7	93.4	49	24.2	103.4	59000	147520	88520	2.5


OFT-6

1.	Title of On farm Trial	Assessment of effectiveness of various media for dissemination of agriculture information among youths
2.	Problem diagnosed	Improper selection of visual media for awareness of technologies
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1: Information access from Mass Media(Television/Radio) TO_2: Information access from Mass media+ Social media (YouTube/Facebook/Instagram) TO_3: Information access from Mass media+ Social media+ Print media
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	SLREC proceeding , OUAT, 2023
5.	Production system and thematic area	-
6.	Performance of the Technology with performance indicators	Understandability , Timeliness , Easy to access, Applicability
7.	Final recommendation for micro level situation	Promote write use of social media in agriculture due to its spread, cost effectiveness and reach especially among tech-savvy younger farmers.,
8.	Constraints identified and feedback for research	-

9.	Process of farmers participation and their reaction	Group meeting and demonstration

Thematic area: ICT

Problem definition: Improper selection of visual media for awareness of technologies

Technology assessed:

Technology option-I (TO_1): Information access from Mass Media(Television/Radio)

Technology option-II (TO_2): Information access from Mass media+ Social media (YouTube/Facebook/Instagram)

Technology option-III (TO_3): Information access from Mass media+ Social media+ Print media

Table:

Technology option	No. of Trials	Understandability		Timeliness		Easy to access		Applicability	
		Mean	Gap %	Mean	Gap %	Mean	Gap %	Mean	Gap %
FP	120	1.77	56	1.82	57.67	1.8	57	2.1	67
TO_1		1.7	53.66	1.74	55	1.83	58	1.96	62.3
TO_2		1.46	45.6	1.34	41.6	1.37	42.6	1.3	40.3
TO_3		1.64	49.3	1.6	50.3	1.51	47.3	1.57	49.3

OFT-7

1.	Title of On farm Trial	Assessment of suitable marketing strategies for better marketing of high value crops
2.	Problem diagnosed	Lack of market intelligence and existing marketing channels from low return from high value crop
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO-I: Sell to local traders at the farm gate TO-II: Fixing a banner at suitable place, preferably at main road indicating the place of production, monitoring the special quality of the produce with catchy captions and picture to attract the consumers.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	-
5.	Production system and thematic area	Vegetable-vegetable cropping system, Agri-marketing strategy
6.	Performance of the Technology with performance indicators	Quantity Produced (No.), Quantity Sold , Price (Rs./Kg)
7.	Final recommendation for micro level situation	Creating a catchy banner for a high impact on marketing chaanels especially when promoting high value crops can significantly enhance visibility and bring substantial benefits to growers

8.	Constraints identified and feedback for research	Bumper production and surplus availability of produce lower the price of the commodity.
9.	Process of farmers participation and their reaction	High value crops are more profitable when marketed to nearby districts through direct or spot marketing

Thematic area: Agri-marketing strategy
Problem definition: Lack of market intelligence and existing marketing channels from low return from high value crop
Technology assessed: Farmers Practice (FP): Sell of produce at local market/haat
Technology option-I (TO-I): Sell to local traders at the farm gate
Technology option-II (TO-II): Fixing a banner at suitable place, preferably at main road indicating the place of production, monitoring the special quality of the produce with catchy captions and picture to attract the consumers.

Table:

Technology option	No. of Trials	Quantity Produced (No.)	Quantity Sold (No.)	Price (Rs./Kg)	No. of Traders	Feed Back
FP	90	17000	1500	75-80	Local Haat/ Mandi	The decline in local market prices is largely due to the price volatility of high value crops along with potential pricing interventions or modifications.
TO_1			6900	80	Regular Traders	Higher price realization can be attained by directly marketing of high value crops
TO_2			8600	100	Attract new traders/traders of Neighboring district to the farm	Complete crop is been sold by the purchaser/trader with a fixed negotiable price.

OFT-8

1.	Title of On farm Trial	Assessing efficacy of ITK on disease pest management of vegetables available locally
2.	Problem diagnosed	Non standardization of available ITK leading to poor dissemination, hence production of vegetables with higher residual toxicity from chemical pesticides
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO-I: ITK to be tested in KVK adopted villages TO-II: ITK to be tested in KVK
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	-

5.	Production system and thematic area	Vegetable-vegetable cropping system, Traditional Knowledge system
6.	Performance of the Technology with performance indicators	Timely Availability/ delivery of technology, suitability of technology, ease in handling, Complexity, cost of technology
7.	Final recommendation for micro level situation	ITK in pest and disease ,management in vegetable should be timely & systematically promoted as a complimentary approach to modern practices.
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Group meeting and demonstration

Thematic area: Traditional Knowledge system

Problem definition: Non standardization of available ITK leading to poor dissemination, hence production of vegetables with higher residual toxicity from chemical pesticides

Technology assessed: Farmers Practice (FP): ITK adopted in a micro area, not tested, documented, but has visible role

Technology option-I (TO-I): ITK to be tested in KVK adopted villages

Technology option-II (TO-II): ITK to be tested in KVK

Technology option	No. of Trials	Timely Availability		Delivery of technology		suitability of technology		Ease in handling		Complexity		Cost of technology	
		Mean	Gap %	Mean	Gap %	Mean	Gap %	Mean	Gap %	Mean	Gap %	Mean	Gap %
FP	90	0.66	67	0.89	45	1.14	43	1.11	44.5	0.97	51.5	1.15	42.5
TO_1		0.92	54	1.1	55.5	1.21	39	1.17	41.5	1.43	28.5	1.2	40
TO_2		1.33	33.5	1.21	39.5	1.31	34.5	1.53	23.5	1.46	27	1.33	33.5

OFT-9

1.	Title of On farm Trial	Assessment of performance of different Ragi threshing machines for small and marginal farmers
2.	Problem diagnosed	Labour intensive, Drudgery prone and time-consuming operation in manual threshing
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: threshing by OUAT mini ragi thresher TO2: threshing by power operated OUAT ragi thresher cum pearler

4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT, 2020
5.	Production system and thematic area	Rainfed upland production system; Thematic Area: Farm mechanization
6.	Performance of the Technology with performance indicators	TO1: TO2: Threshing efficiency – 92%, Time saved – 60%, Labour requirement reduced by 50%,
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	Constraints: High initial cost of power operated thresher, need for electricity or fuel source. Feedback: Develop low-cost, solar-powered or manually operated hybrid models to suit remote areas.
9.	Process of farmers participation and their reaction	Farmers participated in farm trials. They appreciated time saving and reduced labour. Positive feedback on reduced drudgery and better grain quality. Expressed interest in group ownership or custom hiring models.

Thematic area: Farm mechanization

Problem definition: Manual ragi threshing is labour-intensive, time-consuming, and causes physical drudgery.

Technology assessed: OUAT mini ragi thresher and Power operated ragi thresher cum pearler

Table:

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)					
FP	7	6	45	2.4	15.75	27675	35516	7841	1.28
T1	7								

T2	7	7	48	2.6	17.5	23300	39475	16175	1.70

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	Ragi	Weed Management	Demonstration on IWM in ragi in rainfed upland Technology: Pre emergence application of oxyflurofen @ 37.5 g a.i./ha + one hand weeding at 45 DAT	2.6	2.6	0	0	8	5	0	0	8	5	13	
2	Groundnut	Nutrient Management	Demonstration on Sulphur& Lime	1	1	0	0	0	0	11	2	11	2	13	

			application in rabi Groundnut FP: Application of recommended dose of fertilizers only Demo: Application of STBF along with lime (0.2 LR) and 40 kg sulphur												
3	Potato	Integrated Nutrient Management	Demonstration on Integrated Nutrient Management in Potato FP: Application of FYM-1t/ha, N:P:K-80:60:40 kg/ha Demo: Application of FYM- 2t/ha+ STBF+ Foliar application of Borax (0.1%) at 40, 50 and 60 days interval after planting of potato.	1	6	4	1	0	0	5	3	9	4	13	
4.	Chilli	Crop Management	AMC for yield enhancement in chilli. AMC-A carrier based microbial product containing N fixing, P and Zn solubilising and plant growth promoting microbes. Soil application @5 kg /ac. of AMC inoculated in 500kg of FYM and applied near the root zone.	0.4	0.4	1	-	2	3	6	1	9	4	13	
5.	Pineapple	Varietal Evaluation	Pineapple (variety Queen) as an intercrop in bearing low density mango plantation (100 plants/ ha). Queen to be planted in double row system	0.4	0.4	3	1	-	-	9	-	12	1	13	

			with spacing of 60 x 70 x 90 cm.												
6.	Dragon fruit	Varietal Evaluation	Demonstration on Dragon fruit cultivation Cultivation of Dragon fruit in upland four plants in each pole with RDF +FYM. Single pole system planting is done at 3x3 m distance. Vertical height of pole 1.5m to 2m at which point they are allowed to branch and hang down	0.4	0.4	3	-	2	-	6	2	11	2	13	
7.	Watermelon	Varietal Evaluation	Demonstration of high yielding watermelon variety Arka Akash High yielding F1 hybrid, dark green with light green broken specks slightly deep foliage, oblong fruit red flesh with Tss 12-13° brix, average fruit wt 6.5 Kg with 1 fruit/vine duration-90-95 days. Fruit Yield 65-to 70 t/ha red flesh, juicy and very good taste. Good keeping and transportation quality.	0.4	0.4	2	1	4	1	4	1	10	3	13	
8.	Mushroom	Income generation	FP: Use raw mushroom for normal cooking purpose and use finger millet for making 'Mandia Pej' mainly on summer season RP:Sorghum flour: oyster mushroom powder (80:20) along with other ingredient such as sugar, butter, milk powder, baking powder,	13 nos.	13	0	7	0	1	0	5	0	13	13	

			ammonium bicarbonate and essence												
9	Jack fruit	Income generation	FP: Use dried jack fruit seeds for normal cooking purpose RP:Jackfruit cookies are prepared by replacement of 40% refined wheat flour with jackfruit seed powder	13 nos	13	0	6	0	1	0	6	0	13	13	
10	Mahua	Income generation	FP: Sale dry uncleaned mahua flowers @ Rs.25-30/-kg RP: Dried cleaned flower 10 kg+ Semolina 10kg + Sugar 2.5 kg, Refined oil/ghee 1 liter, White sesame 1 kg, Fennel seed 0.25kg, Coconut powder 0.5 kg. Roasting, mixing and preparation of Laddu.	13 nos	13	0	6	0	1	0	6	0	13	13	
11	Tamarind	Income generation	FP: Sale raw tamarind @ Rs.15/-kg, ripe tamarind @ Rs.25-30/-kg and keep dry ripe tamarind after removing pods, veins, seeds for domestic purpose. RP: Preparation of tamarind pulp concentrate by cooking tamarind juices with spices to desired consistency (36 to 38 brix) and packing in sterilized bottles	13 nos	13	0	5	0	1	0	7	0	13	13	
12	Mushroom	Income generation	FP:Local practice of production, var: *P. florida* *RP:* var: *H.ulmarius*, proper infrastructure, proper pasteurization of substrate, sanitary	13 nos	13	0	13	0	0	0	0	0	13	13	

			measures, appropriate bag management												
	Manual straw cutter	Drudgery reduction	FP: Cutting of paddy straw manually by sickle RP: Demonstration on manually operated straw cutter for mushroom cultivation, capacity 100 bundles/hr, easy to handle and increase work efficiency	13 nos	13	0	13	0	0	0	0	0	13	13	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Ragi	Kharif 2024	Rainfed	Red sandy soil	195.2	10.2	147.2	Ragi	21.07.2024	02.11.2024	1365 mm	64
Green gram	Rabi	Rainfed	Sandy Loam	241	16.36	135	Paddy	Last week of December, 2024	Last week of March, 2025	130 mm	3
Groundnut	Rabi	Irrigated	Sandy clay loam	234	11.30	135	Paddy	2nd – 3rd week of November, 2024	Last week of February, 2025	130 mm	3
Potato	Rabi	Irrigated	Sandy Loam	247	13.30	145.6	Paddy	1st – 2nd week of December, 2024	Last week of March, 2025	130 mm	3
Coriander	Kharif	Rainfed	Loamy	197.5	12.5	133.0	Paddy	3rd week of August	4th week of November	391.8 mm	6
Papaya	Rabi	Irrigated	Sandy	169	11.05	210	Tomato	2nd week of	continu	0	0

			loam					November	ing		
Pineapple	Kharif	Rainfed	Sandy loam	149.2	13.0	267	Okra	3rd week of August	continuing	391.8 mm	6
Chilly	Kharif	Rainfed	Clay loam	197.3	10.2	197	Brinjal	2nd week of August	2nd week of December	391.8 mm	6
Dragon Fruit	Rabi	Irrigated	Sandy clay loam	210.7	14.2	154.2	Cucurbitaceous	2nd week of December	Continuing	132 mm	3
Watermelon	Rabi	Irrigated	Sandy loam	120.5	13.5	218.4	watermelon	1st week of January	2nd week of April	0	0

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

Performance of FLD

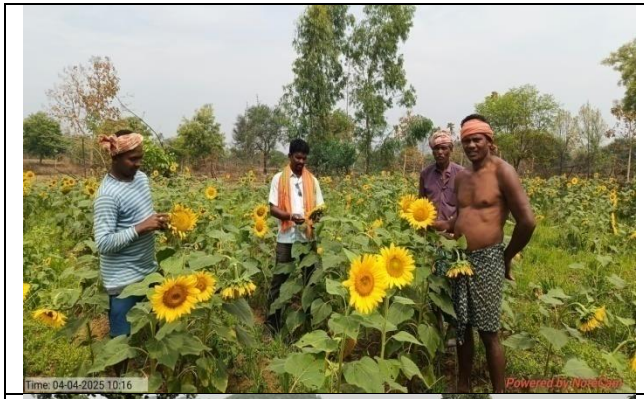
Oilseeds:

Frontline demonstrations on oilseed crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Groundnut	Crop Management	Demonstration on Sulphur& Lime application in rabi Groundnut FP: Application of recommended dose of fertilizers only Demo: Application of STBF along with lime (0.2 LR) and 40 kg sulphur	13	1	17.21	14.15	21. 6	60437	117028	56591	1.94	55514	96220	40706	1.73

Sunflower	Crop Management	Demonstration on integrated crop management in sunflower	13	2.6	13.1	9.8	33.6	43500.00	95368.00	51868.00	2.19	38700.00	71344.00	32644.00	1.84
Niger	Crop Management	Demonstration of green manuring Cow pea in Niger	13	2.6	6.43	4.21	52.73	35900.00	56050.00	20148.00	1.56	27800.00	36690.00	8890.00	1.31
Total			39	6.2											

* 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
Soybean	Crop Diversification	Demonstration of soybean for diversification of upland rice	13	2.6	16.8	12.75	31.75	32700	82185	49485	2.51	37600	62373	24773	1.65
	Total														

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

** BCR= GROSS RETURN/GROSS COST

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Potato	Promotion of Integrated Nutrient Management (INM) Practices in Potato Cultivation for Enhanced Yield, Soil Health, and Resource Efficiency	Demonstration on Integrated Nutrient Management in Potato	13	6	88.08	68.38	28.80	0.52	0.48	67131	132120	64989	1.97	65282	102570	37288	1.57
Chilly	Crop management	Demonstration of Arka Microbial Consortium (AMC) for yield enhancement in chilli	13	0.4	39.8	32.3	23.2	0.25	0.56	34600	79680	45080	2.3	28500	61760	33260	2.1
DragonFruit	Varietal Evaluation	Demonstration on Dragon fruit cultivation	13	0.4	102	89	14.6	25	28	299990	1166990	867000	2.8	289000	1045500	756500	2.6
Watermelon	Varietal Evaluation	Demonstration of watermelon hybrid variety Arka Akash	13	0.4	228	213	7.04	5.8	8	122000	464000	342000	2.8	125000	444500	319500	2.5
		Total	52	7.2													

Agricultural Extension

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Information Dissemination through print Media	Demonstration of usefulness of crop calander for improving technical knowledge of farmers and application of technology	60	Knowledge gain: 72.3 % Increase in yield/cost saving: 62.5% Easy to Understand: 61.3% Helped to manage farm activities better: 47.3	Knowledge gain: 44.1 % Increase in yield/ cost saving:35.7 Easy to Understand: 33.9 Helped to manage farm activities better:19.2	
Human resources Development	Demonstration on transfer of technology through harnessing human values in agriculture	20	Dissemination of Technology: 1.95 Horizontal spread: 1.55 Technology Adoption: 1.54	Dissemination of Technology: 1.5 Horizontal spread: 1.27 Technology Adoption: 1.28	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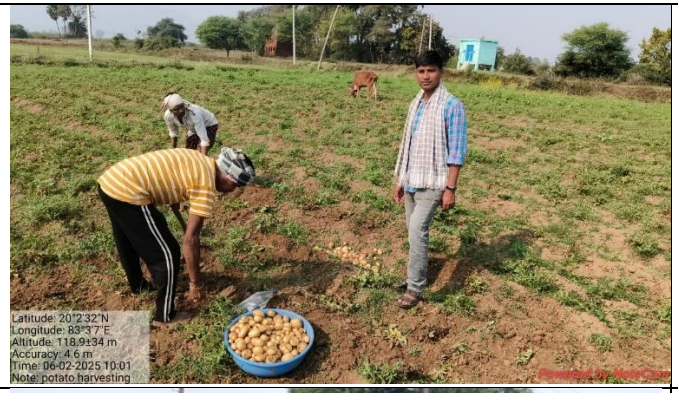
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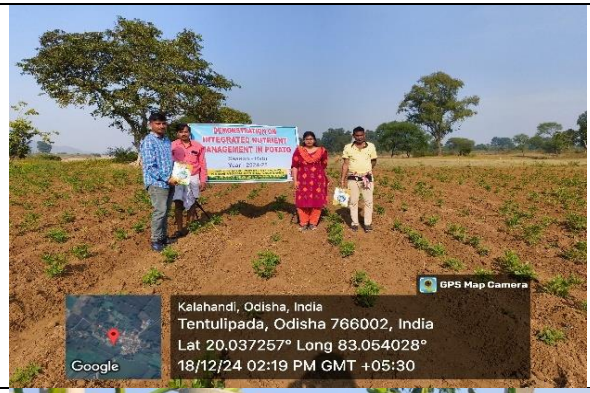
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Google


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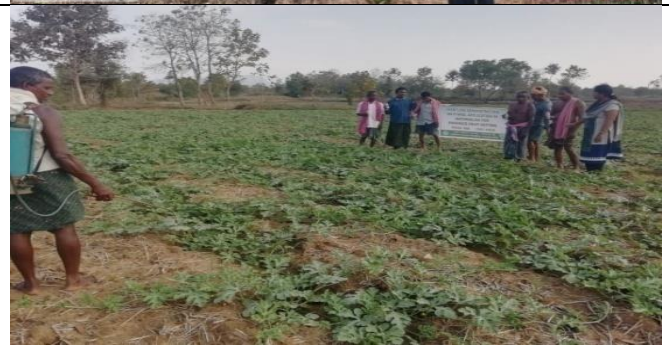
DEMONSTRATION OF
HIGH YIELDING WATERMELON
VARIETY ARKA AKASH
Season - Rabi
Year - 2023-24

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HIGH YIELDING WATERMELON
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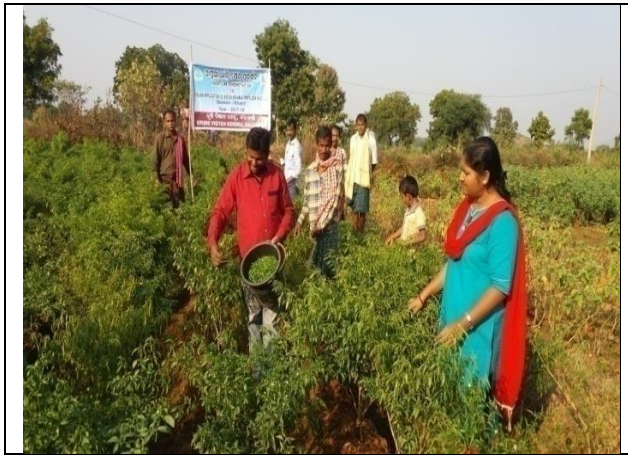
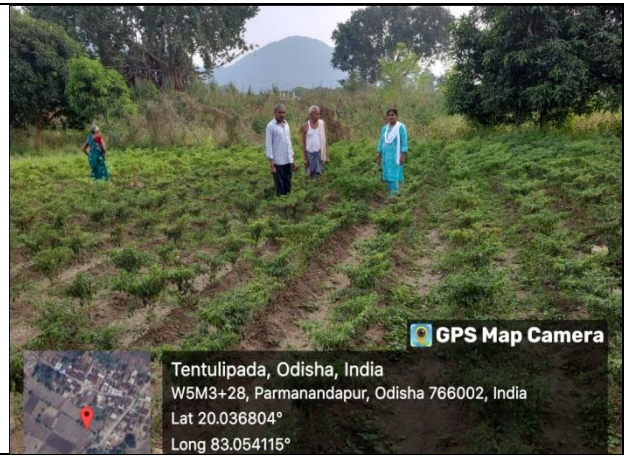




Livestock

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

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

** BCR= GROSS RETURN/GROSS COST

Fisheries

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

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

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl. specify)	Demonstration on Preparation of Mushroom fortified millet cookies	13 nos.	13	Shelf life- 1 m	Shelf life of fresh mushroom- 48 hrs, shelf life of sorghum grains-4m	-	Sensory evaluation- 8.5	Sensory evaluation- 2.5	60/- per 200g	130/- per 200g	70/-per 200g	2.1	12/-	20/-	8/-	1.6

	Demonstration on Preparation of value added product from Tamarind	13 nos.	13	Shelf life-6m	Shelf life-2m	200%	Sensory evaluation-8.5	Sensory evaluation-6.5	110/-	300/-	190/-	2.7	10/-	20/-	10/-	2.0
	Demonstration on Preparation of Jack fruit cookies	13 nos.	13	Shelf life- 1m	Self life-1m	-	Sensory evaluation-9.0	Sensory evaluation-4.0	40/-	90/-	45/-	2.2	25/-	40/-	15/-	1.6
	Demonstration on Preparation of Mahua laddu	13 nos.	13	Shelf life-2m	Shelf life-2m	-	Sensory evaluation-8.5	Sensory evaluation-5.5	315/-	700/-	385/-	2.2	11/-	20/-	9/-	1.8
Total		52	52													

* 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	Demonstration onOyster Mushroom cultivation for income generation (SCSP)	13	BCR 4.6	BCR 2.5	Income generation, high nutritional value, any stake holder can eat.
Farm Women	Demonstration on Preparation of Mushroom fortified millet cookies	13	BCR 2.1	BCR 1.6	Income generation, high nutritional value.
Farm Women	Demonstration on Preparation of value added product from Tamarind	13	BCR 2.7	BCR 2.0	Income generation, substitute to tomato sauce during high price, RTS, better taste.
Farm Women	Demonstration on Preparation of Jack fruit cookies	13	BCR-2.2	BCR-1.6	
Farm Women	Demonstration on Preparation of Mahua laddu	13	BCR 2.2	BCR 1.8	Income generation, high nutritional value, better taste, any stake holder can eat.
Farm Women	Demonstration on straw cutter for mushroom cultivation to reduce drudgery of farmers **(scsp)**	13	Labour reduction 3.33 times	-	Reduce drudgery and increase work efficiency
Farm Women	Demonstration onOyster Mushroom	13	BCR 4.6	BCR 2.5	Income generation, high

	cultivation for income generation (SCSP)				nutritional value, any stake holder can eat.
Pregnant women					
Adolescent Girl					
Other women					
Children					
Neonatal					
Infants					

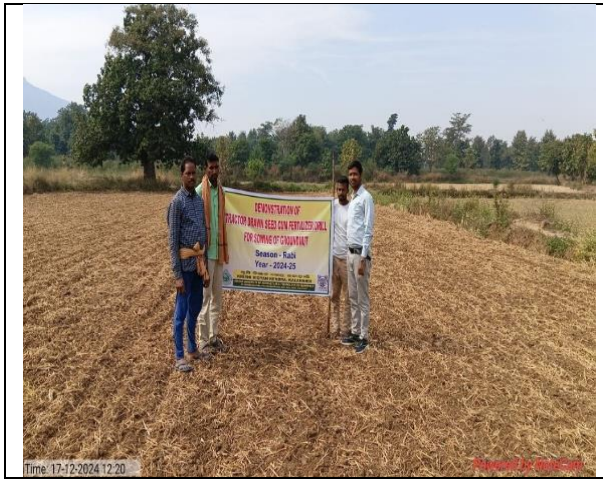
Farm implements and machinery

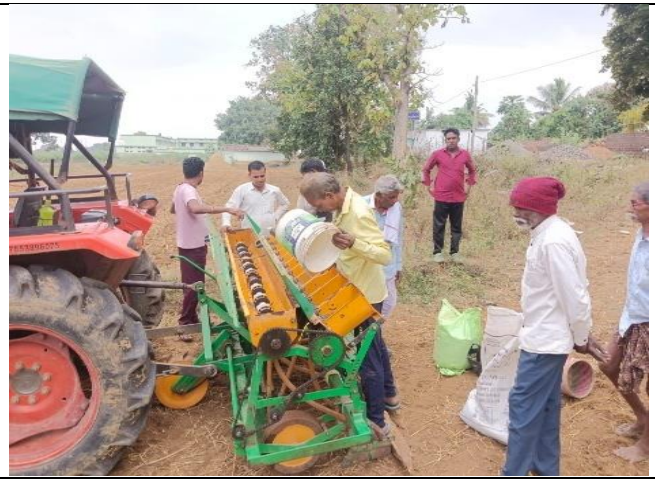
Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)			
					Demonstration	Check		FP	RP	Change		FP	RP	Change	FP
Tractor drawn multi crop seed cum fertilizer drill	Groudnut	Demonstration of Tractor drawn Seed cum Fertilizer Drill for sowing of Groundnut	13	1.3	0.369	0.184	21.75	13.5	6	7.5		54312	46513.08	7798.923	

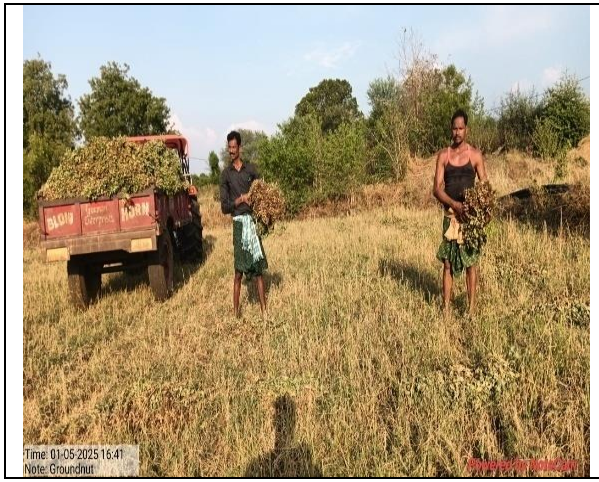
Tractor drawn multi crop seed cum fertilizer drill	Paddy	Demonstration of tractor drawn multi crop seed cum fertilizer drill for direct seeding of rice	13	1.3	0.25	0.11	28.09	12	7	5		35192.30	32085.38	3106.923	

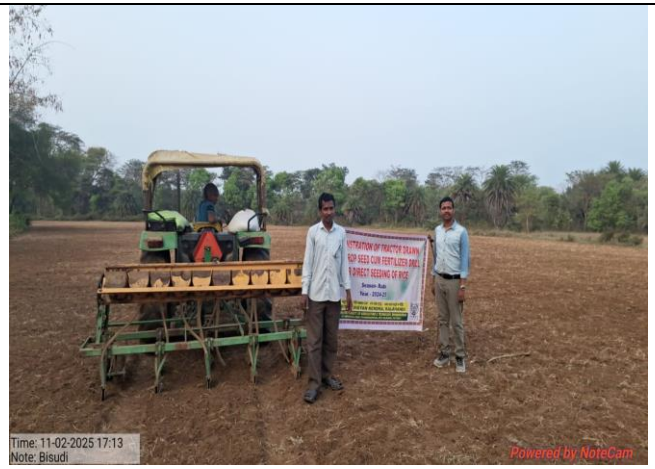
* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

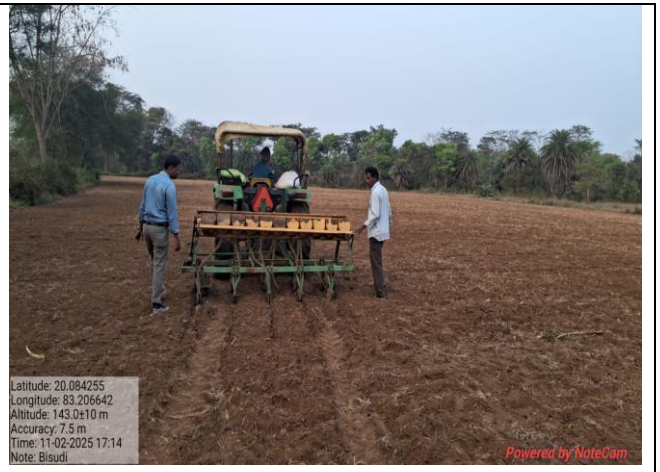
** BCR= GROSS RETURN/GROSS COST











Demonstration details on crop hybrids

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

Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total										
Pulses										
Green gram										
Black gram										
Bengal gram										
Red gram										
Others (Pl. specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl. specify)										

Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify) watermelon	Arka Akash	13	0.4	228	213	7.04	122000	464000	342000	2.8
Total										

Good quality photographs of FLDs

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Paddy	Herbicide application in rice could manage weeds properly which helps better crop growth and increase in yield.
2	Cotton	Pre emergence application of pendimethalin @3300ml/ha and post emergence application of Quizalofop ethyl @1000ml/ha at 20 DAS is a better herbicide management practice in cotton for higher yield.
3	Ragi	Pre emergence application of oxyflurofen @ 37.5 g a.i./ha + one hand weeding at 45 DAT has better weed efficiency in rainfed upland ragi with 30% yield increase and 83% weed control efficiency
4	Sunflower	The demonstrated crop management practice in sunflower with application of STD (RDF: 60:80:60 kg N: P2O5:K2O/ha) +FYM @ 5 t/ha and bio-fertilizer application (Azotobacter, Azospirillum and PSB, 1:1:1 @ 4 kg each/ha) incubated with FYM for 7 days showed an increased yield of 13.8 quintal/ha @33.6% yield increase.
5	Niger	Green manuring of cowpea in niger cultivation showed an yield increase of 52.73% and yield of 6.43quintals/ha.
6	Soybean	Crop diversification of upland paddy into soybean gave an yield of 16.8quintal/ha with an equivalent yield increase of 31.75%
7	Green gram	Use of soil test based fertilizers + FYM @2t/ha+Rhizobium inoculation@1.25kg per 25 kg of seed along with seed treatment with lime @4kg/25kg seed provided 23.5% higher yield accompanied by better soil properties.
8	Groundnut	Application of STBF along with lime (0.2 LR) and 40 kg sulphurprovided 21.6% higher yield compared to farmer's practice.
9	Potato	Application of FYM- 2t/ha+ STBF+ Foliar application of Borax (0.1%) at 40, 50 and 60 days interval after planting of potato increased 28.8% yield and also showed higher organic carbon content in soil compared to farmer's practice.
10	Chilly	Soil application @5 kg /ac. of Arka Microbial Consortium inoculated in 500kg of FYM and applied near the root zone get higher yield-39.8q/ha.
11	Dragonfruit	Farmers get more yield- 102q/ha as compared to farmers practices yield-82 q/ha
12	Watermelon	Farmers prefers watermelon var. Arka Akash dark green with light green broken specks slightly deep foliage, oblong fruit red flesh more demand as compared to farmers practices.

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	28.03.2025	1	40	Farmers Field Day on Greengram variety Sikha
2.	Farmers Training	30.07.2024, 18.12.24, 07.01.2025	3	90	-
3.	Media coverage	-	-	-	-
4.	Training for extension functionaries	07.03.2025	1	10	Seed Production Technology in rice

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2024 and Rabi 2023-24:

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	Pigeon pea	Indigenous seeds (Huda Kandula)	10.88	1076	1050	2000	LRG 52 Line sowing of seed with spacing 60cmx30cm. Seed treatment with Vitavax power @ 2 gms per kg of seed. Hoeing and earthing up after 21 DAS & 42 DAS to control weed population. Application of Chloropyriphos 50%+ Cypermethrin 5% EC @1lit/ha to control leaf webber. Application of Thiomethoxam 120ml/ha to control Aphids Application of Emamectin Bonzoate 220gm/ha to control Pod Borer	160	120	15.9	13.78	14.84	37.91	41.33	-34.77
2	Blackgram	Desi Biri	7.32	6.95	5.07	18.0	LBG 787 Line sowing of seed with spacing 30cmx15cm. Seed treatment with Vitavax power @ 2 gm per kg of seed. Application of Propaquizafop 10% EC @2ml/perlt of water for control of grassy	160	130	9.75	7.37	8.56	23.16	68.8	-52.44

							weeds. Application of Thiamethoxam 25% WG 120gm/ha to control Aphids								
3	Lentil	Local	5.67	5.25	5.29	15.0	Sekhar 5 Sowing Lentil variety. Sekhar 5, seed rate @50Kg/ha. Seed treatment with Vitavax power @ 2 gm per kg of seed. Application of Propaquizafop 10% EC @2ml/per lt of water for control of grassy weeds. Application of Thiamethoxam 25% WG 120gm/ha to control Aphids	100	50	8.12	6.01	7.0	33.33	32.32	-53.33
4	Sunflower	Swati	13.37	13.34	12.65	20.0	KBSH 78 Sowing high yielding Sunflower var. KBSH 78. &Application of profeno+Cypermethrin @ 750ml/ha, to control Caterpillar application of Flubendiamide @125ml/ha to control Helicoverpa, .application of Carbendazim+mancozeb1kg/ha to controlalteneria leaf spot disease,	133	60			16.27			

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstra	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

	ted								
I.	LRG 52 Line sowing of seed with spacing 60cmx30cm. Seed treatment with Vitavax power @ 2 gms per kg of seed. Hoeing and earthing up after 21 DAS & 42 DAS to control weed population. Application of Chloropyriphos 50%+ Cypermethrin 5% EC @1lit/ha to control leaf webber. Application of Thiomethoxam 120ml/ha to control Aphids Application of Emamectin Bonzoate 220gm/ha to control Pod Borer	63189	116900	53711	1.85	70667	148400	77733	2.1
II.	LBG 787 Line sowing of seed with	28473	54900	26157	1.91	27913	64200	36287	2.3

	spacing 30cmx15cm. Seed treatment with Vitavax power @ 2 gm per kg of seed. Application of Propaquizafop 10% EC @2ml/per lt of water for control of grassy weeds. Application of Thiamethoxam 25% WG 120gm/ha to control Aphids								
III.	Sekhar 5 Sowing Lentil variety. Sekhar 5, seed rate @50Kg/ha. Seed treatment with Vitavax power @ 2 gm per kg of seed. Application of Propaquizafop 10% EC @2ml/per lt of water for control of grassy	29873	44595	14772	1.9	32398	55054	22656	2.43

	weeds. Application of Thiamethoxam 25% WG 120gm/ha to control Aphids								
IV.	KBSH 78 Sowing high yielding Sunflower var. KBSH 78. &Application of profeno+Cypermethrin @ 750ml/ha, to control Caterpillar application of Flubendiamide @125ml/ha to control Helicoverpa, .application of Carbendazim+mancozeb1kg/ha to controlalteneria leaf spot disease,	51773	97334	45561	1.88	51054	118446	67392	2.32

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)
I.	Pigeon pea LRG 52	1484	1391	100	20	20	Purchase of critical inputs for farm activities and	
II.	Blackgram LBG 787	856	744	75	20	20		
III.	Lentil Sekhar 5	700	610	79	30	60		

IV.	Sunflower KBSH 78	1627	1627	73	0	0	household expenses	

D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1	Sekhar 5 Sowing Lentil variety. Sekhar 5, seed rate @50Kg/ha. Seed treatment with Vitavax power @ 2 gm per kg of seed. Application of Propaquizafop 10% EC @2ml/per lt of water for control of grassy weeds. Application of Thiamethoxam 25% WG 120gm/ha to control Aphids	Variety is suitable for rainfed farming systems owing to its early maturity and tolerance to drought conditions.	Lentil variety shows strong linkage to farmer preferences due to its bold seeds, high yield potential, and suitability for rainfed conditions.	Lentil variety remains affordable for farmers due to its minimal input needs and high productivity, offering a cost-effective solution for rainfed farming systems.	Lentil variety is susceptible to rust and wilt under high humidity and poorly drained soil conditions.	The technology for cultivating lentil variety is mostly acceptable, but some farmers may hesitate due to its susceptibility to rust and wilt.	
2	KBSH 78 Sowing high yielding Sunflower var. KBSH 78. &Application of profeno+Cypermethrin @ 750ml/ha, to control Caterpillar application of Flubendiamide @125ml/ha to control Helicoverpa, .application of Carbendazim+mancozeb 1kg/ha to controlalteneria leaf spot disease,	Sunflower variety is well-suited to irrigated and rainfed farming systems due to its high yield potential and adaptabil	Sunflower variety is highly preferred by farmers for its high oil content, drought tolerance, and adaptability to both irrigated	Sunflower variety is considered affordable for farmers due to its low input requirements, high oil yield, and adaptability to various farming	Sunflower variety is moderately susceptible to Alternaria leaf spot and may show reduced performance under high	The technology for cultivating sunflower variety is largely acceptable, though some farmers may be concerned about disease susceptibil	

		ity to diverse agro-climatic conditions.	and rainfed conditions	systems, ensuring good economic returns.	humidity.	ity and input costs.	

E. Specific Characteristics of Technology and Performance

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

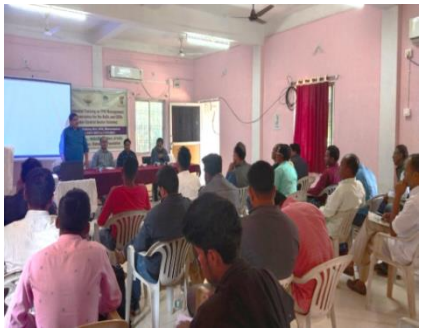
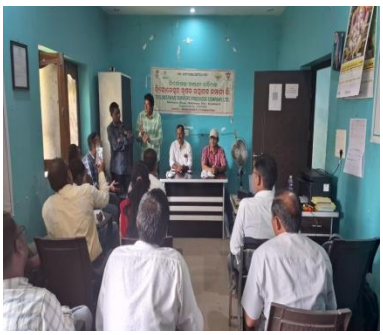
F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Training	11/07/24, Nagupalla	30
2.	Training	18/10/24, Themera	30

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



H. Farmers' training photographs


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



J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input			
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total			

3.3 Achievements on Training (Including the sponsored and FLD training programmes):

A) Farmers and farm women (on campus)

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total													
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off0season vegetables													
Nursery raising													

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
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													

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													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
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													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													

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 technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

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	13	12	25	1	1	2	3	0	3	17	13	30
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production	1	12	4	16	8	2	10	4	0	4	24	6	30
Production of organic inputs	2	2	25	27	2	9	11	0	2	2	4	36	40
Planting material production	1	6	9	15	0	15	15	0	0	0	6	24	30
Vermiculture													
Mushroom Production	1	0	13	13	3	10	13	0	4	4	3	27	30
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements	1	13	0	13	2	0	2	0	0	0	15	0	15
Value addition	1	1	11	12	0	4	4	0	14	14	1	29	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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Total	7	47	74	121	16	41	57	7	20	27	70	135	205

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management	1	15	0	15	2	0	2	3	0	3	20	0	20
Rejuvenation of old orchards	1	8	1	9	0	0	0	0	1	1	8	2	10
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization	1	16	1	17	1	0	1	1	1	2	18	2	20
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security	1	7	1	8	1	0	1	0	1	1	8	2	10
Other	3	6	14	20	0	10	10	0	0	0	6	24	30
Total	7	52	17	69	4	10	14	4	3	7	60	30	90

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	3	13	17	30	17	28	45	4	11	15	34	56	90
Resource Conservation Technologies	1	2	5	7	6	11	17	2	4	6	10	20	30
Cropping Systems													
Crop Diversification													

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 Farming													
Micro irrigation/irrigation													
Seed production	3	12	13	25	23	12	35	7	3	10	42	28	70
Nursery management													
Integrated Crop Management	3	15	14	29	27	22	49	5	7	12	47	43	90
Soil & water conservation	1	3	4	7	7	9	16	3	4	7	13	17	30
Integrated nutrient Management	1	2	6	8	5	11	16	2	4	6	9	21	30
Production of organic inputs	2	7	14	21	10	22	32	3	4	7	20	40	60
Others	2	8	12	20	11	22	33	2	5	7	21	39	60
Total	16	62	85	147	106	137	243	28	42	70	196	264	460
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off season vegetables	1	4	8	12	7	10	17	1	0	1	12	18	30
Nursery raising	1	26	2	28	2	0	2	0	0	0	28	2	30
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others	7	15	8	23	25	147	172	5	10	15	45	165	210
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	3	8	31	39	12	49	61	5	10	15	25	65	90
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits	1	2	2	4	6	18	24	0	2	2	8	22	30
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													

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
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management	3	35	24	59	3	25	28	2	1	3	40	50	90
Integrated Nutrient Management	3	0	0	0	26	64	90	0	0	0	26	64	90
Production and use of organic inputs	1	0	0	0	0	30	30	0	0	0	0	30	30
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency	1	0	0	0	12	18	30	0	0	0	12	18	30
Balance Use of fertilizer	1	8	6	14	0	2	2	9	5	14	17	13	30
Soil & water testing													
others	3	35	24	59	3	25	28	2	1	3	40	50	90
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	8	4	12	0	0	0	7	11	19	15	15	30
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													
Value addition	4	18	50	68	4	26	30	2	20	22	24	96	120
Women empowerment	5	24	45	69	4	59	63	7	11	18	35	115	150
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others	1	0	0	0	0	30	30	0	0	0	0	30	30
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others	8	2	7	9	82	98	180	23	28	51	108	132	240
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													

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													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others	7	75	1	76	46	31	77	50	5	55	173	37	210
Total	7	75	1	76	46	31	77	50	5	55	173	37	210
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

E) RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													

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
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													
Total													

F) Extension Personnel (Off Campus)

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

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
farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total													

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	3	13	17	30	17	28	45	4	11	15	34	56	90
Resource Conservation Technologies	1	2	5	7	6	11	17	2	4	6	10	20	30
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production	3	12	13	25	23	12	35	7	3	10	42	28	70
Nursery management													
Integrated Crop Management	3	15	14	29	27	22	49	5	7	12	47	43	90
Soil & water conservation	1	3	4	7	7	9	16	3	4	7	13	17	30
Integrated nutrient Management	1	2	6	8	5	11	16	2	4	6	9	21	30
Production of organic inputs	2	7	14	21	10	22	32	3	4	7	20	40	60
Others	2	8	12	20	11	22	33	2	5	7	21	39	60
Total	16	62	85	147	106	137	243	28	42	70	196	264	460
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off-season vegetables	1	4	8	12	7	10	17	1	0	1	12	18	30
Nursery raising	1	26	2	28	2	0	2	0	0	0	28	2	30
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others	7	15	8	23	25	147	172	5	10	15	45	165	210
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													

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
Cultivation of Fruit	3	8	31	39	12	49	61	5	10	15	25	65	90
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits	1	2	2	4	6	18	24	0	2	2	8	22	30
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management	3	35	24	59	3	25	28	2	1	3	40	50	90
Integrated Nutrient Management	3	0	0	0	26	64	90	0	0	0	26	64	90
Production and use of organic inputs	1	0	0	0	0	30	30	0	0	0	0	30	30
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency	1	0	0	0	12	18	30	0	0	0	12	18	30
Balance Use of fertilizer	1	8	6	14	0	2	2	9	5	14	17	13	30
Soil & water testing													
others	3	35	24	59	3	25	28	2	1	3	40	50	90
Total													

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
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	8	4	12	0	0	0	7	11	19	15	15	30
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													
Value addition	4	18	50	68	4	26	30	2	20	22	24	96	120
Women empowerment	5	24	45	69	4	59	63	7	11	18	35	115	150
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others	1	0	0	0	0	30	30	0	0	0	0	30	30
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others	8	2	7	9	82	98	180	23	28	51	108	132	240
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													

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 fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others	7	75	1	76	46	31	77	50	5	55	173	37	210
Total	7	75	1	76	46	31	77	50	5	55	173	37	210
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

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	13	12	25	1	1	2	3	0	3	17	13	30
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production	1	12	4	16	8	2	10	4	0	4	24	6	30
Production of organic inputs	2	2	25	27	2	9	11	0	2	2	4	36	40
Planting material production	1	6	9	15	0	15	15	0	0	0	6	24	30
Vermiculture													
Mushroom Production													
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements	1	13	0	13	2	0	2	0	0	0	15	0	15
Value addition													
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Total	7	47	74	121	16	41	57	7	20	27	70	135	205

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management	1	15	0	15	2	0	2	3	0	3	20	0	20
Rejuvenation of old orchards	1	8	1	9	0	0	0	0	1	1	8	2	10
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization	**1**	**16**	**1**	**17**	**1**	**0**	**1**	**1**	**1**	**2**	**18**	**2**	**20**
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security	1	7	1	8	1	0	1	0	1	1	8	2	10
Other	3	6	14	20	0	10	10	0	0	0	6	24	30
Total	7	52	17	69	4	10	14	4	3	7	60	30	90

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Crop Production	F & FW	Production of short duration drought tolerant rice varieties	1	Off campus	12	18	30	4	8	12
Crop production	F & FW	Use of stress mitigating chemicals in crop production	1	Off campus	13	17	30	6	9	15
Crop Production	F & FW	Seed production in rice	1	Off campus	14	16	30	8	11	19
Crop production	Rural Youth	Seed production in field crops	3	On campus	12	18	30	5	5	10
Crop	F & FW	In situ soil	1	Off	15	15	30	4	11	15

Production		moisture conservation in agriculture		campus						
Crop Production	IS	Package and practices of seed production in rice	1	On campus	6	4	10	0	0	0
Crop Production	F & FW	Climate resilient crop production in dry lands	1	Off campus	13	17	30	13	17	30
Crop Production	F & FW	Integrated nutrient management in green gram	1	Off campus	14	16	30	14	16	30
Crop Production	F & FW	Residual effect of herbicide in plant and environment	1	Off campus	13	17	30	13	17	30
Crop Production	F & FW	Significance of organic decomposer for organic waste digestion	1	Off campus	12	18	30	12	18	30
Crop Production	F & FW	Crop production in residual soil moisture of rice production system	1	Off campus	14	16	30	14	16	30
Crop Production	F & FW	Major weeds and management practices in maize	1	Off campus	12	18	30	12	18	30
Crop Production	F & FW	Training on scientific cultivation of sweet corn12	1	Off campus	13	17	30	13	17	30
Crop Production	F & FW	Major weeds and its management practices in arhar	1	Off campus	13	17	30	13	17	30
Crop Production	F & FW	Weed management in cotton	1	Off campus	12	18	30	12	18	30
Crop Production	F & FW	Recycling of agricultural wastes	1	Off campus	13	17	30	13	17	30
Soil Science	F&FW	Maximizing Crop Yield and Soil Health: The Importance of Soil Testing and Proper Soil Sample Collection	1day	Off Campus	17	13	30	9	7	16
Soil Science	F&FW	Enhancing Banana Production through Soil Health and Nutrient Management	1day	Off Campus	20	10	30	4	2	6
Soil Science	F&FW	Scientific Practices for High Yield and Sustainable Potato Cultivation	1day	Off Campus	20	10	30	1	0	1

Soil Science	F&FW	Restoring soil health through natural inputs: A sustainable farming approach	1day	Off Campus	12	18	30	12	18	30
Soil Science	F&FW	Managing Soil pH for Enhanced Crop Productivity	1day	Off Campus	0	30	30	0	30	30
Soil Science	F&FW	Introduction to Vermicomposting for Sustainable Soil Health	1day	Off Campus	14	16	30	14	16	30
Soil Science	F&FW	Biofertilizer Use and Composting for Soil Health	1day	Off Campus	0	30	30	0	30	30
Soil Science	F&FW	Importance of Balanced Fertilization Practices and Identification of Nutrient Deficiency Symptoms	1day	Off Campus	12	18	30	12	18	30
Soil Science	F&FW	Nutrient Management and Biofertilizer Use for Enhanced Pulse Production	1day	Off Campus	0	30	30	0	24	24
Soil Science	IS	A Practical Guide to Optimize Fertilizer Use for sustainable Crop production	1day	On Campus	20	0	20	5	0	5
Soil Science	RY	Out scaling of natural farming	2days	On Campus	2	18	20	1	4	5
Soil Science	RY	Out scaling of natural farming	3days	On Campus	2	18	20	1	5	6
Horticulture	F&FW	Nursery management practices of Kharif onion	1	Off Campus	9	21	30	3	15	18
Horticulture	F&FW	Cultivation practices for Kharif coriander	1	Off Campus	7	23	30	4	18	22
Horticulture	F&FW	Wilt management practices in solanaceous crops	1	Off Campus	13	17	30	3	2	05
Horticulture	F&FW	Planting method in papaya	1	Off Campus	-	30	30	-	15	15
Horticulture	F&FW	Intercropping of pineapple in mango orchard	1	Off Campus	11	19	30	5	-	05
Horticulture	F&FW	Arka Microbial consortium application in chilly	1	Off Campus	-	30	30	-	13	13
Horticulture	F&FW	Nutrient Management practices in Banana	1	Off Campus	10	20	30	2	16	18

Horticulture	F&FW	Foliar application of micronutrient in Bittergourd	1	Off Campus	07	23	30	3	20	23
Horticulture	F&FW	Use of growth regulator in Mango orchard	1	Off Campus	2	28	30	-	13	13
Horticulture	F&FW	Weed management practices in onion	1	Off Campus	-	30	30	-	30	30
Horticulture	F&FW	Nutrient management in litchi	1	Off Campus	13	17	30	5	8	13
Horticulture	F&FW	Planting system in dragonfruit	1	Off Campus	10	20	30	2	15	18
Horticulture	RY	Vegetable grafting techniques	2	On Campus	11	19	30	3	7	10
Horticulture	RY	Propagation techniques for horticulture crops	2	On Campus	2	28	30	-	15	15
Horticulture	IS	Orchard management for Fruit crops	1	On Campus	2	8	10	1	2	3
Agriculture Engineering	F & FW	Use of Plastics in farming practices	1	Off Campus	8	22	30	5	16	21
Agriculture Engineering	F & FW	Use of drip irrigation in vegetable	1	Off Campus	0	30	30	0	30	30
Agriculture Engineering	F & FW	Training on soil conservation techniques	1	Off Campus	30	0	30	30	0	30
Agriculture Engineering	F & FW	Care and safety measures during operation of farm implements	1	Off Campus	18	12	30	18	12	30
Agriculture Engineering	F & FW	Use of power sprayer and safety measures	1	Off Campus	7	23	30	7	23	30
Agriculture Engineering	F & FW	Operation of small tools and implements in vegetable cultivation	1	Off Campus	17	13	30	17	13	30
Agriculture Engineering	F & FW	Use of tractor drawn seed drill for DSR	1	Off Campus	28	2	30	28	2	30
Agriculture Engineering	F & FW	Use of different small	1	Off Campus	0	30	30	5	16	21

		implements for farm women								
Agriculture Engineering	RY	Operation and maintenance of power tiller for puddling	2	On campus	15	0	15	2	0	2
Agriculture Engineering	IS	Safe storage and Post Harvest management of pulses	1	On campus	8	2	10	1	1	2
Agriculture Extension	F & FW	Importance of crop diversification in upland areas for higher remuneration	1	Off Campus	30	0	30	5	2	7
Agriculture Extension	F & FW	Suitable IFS models for small & marginal farmers	1	Off Campus	30	0	30	5	1	6
Agriculture Extension	F & FW	Cost reduction technology in rice based farming system		Off Campus	16	14	30	-	8	8
Agriculture Extension	F & FW	Economic analysis of cultivation of high value low volume crops for higher return	1	Off Campus	30	-	30	6	-	6
Agriculture Extension	F & FW	ICT in Farm production interior mgmt, marketing , extension service	1	Off Campus	18	12	30	2	1	3
Agriculture Extension	F & FW	Pest and disease mgmt through ITK	1	Off Campus	12	18	30	5	9	14
Agriculture Extension	IS	Credit and market linkage for FPO	1	On Campus	18	2	20	2	4	6

H) Vocational training programmes for Rural Youth

a) Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrus	Training title*	Duration (days)	No. of Participants	Self employed after training	Number of persons employed else where

	t Area			Male	Female	Total	Type of units	Number of units	Number of persons employed	
Rice	Seed Production	Seed production of field crops	3	24	6	30	Quality seed production	2	3	-
Vegetable	QPM	Vegetable grafting techniques	5	8	22	30	Nursery	3	1	-
Fruit	QPM	Propagation techniques for horticulture crops.	5	12	18	30	Sapling production	2	1	-
Mushroom	Income generation	Paddy straw mushroom cultivation for income generation	5 days	3	27	30	Mushroom cultivation unit	18	-	-
Agricultural crops	Income generation	Value added products in agricultural crops	5 days	1	29	30	Value addition unit	25	-	-

*training title should specify the major technology /skill transferred

b) Details of participation

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**
Crop production and management	1	12	4	16	8	2	10	4	0	4	24	6	30
Commercial floriculture													
Commercial fruit production	1	5	8	13	5	10	15	2	-	2	12	18	30

Commercial vegetable production	1	3	16	19	4	6	10	1	-	1	8	22	30
Integrated crop management													
Organic farming													
Other													
Total	3	20	28	48	17	28	35	7	0	7	44	46	90
Post harvest technology and value addition													
Value addition	1	1	11	12	0	4	4	0	14	14	1	29	30
Other													
Total	1	1	11	12	0	4	4	0	14	14	1	29	30
Livestock and fisheries													
Dairy farming													
Composite fish culture													
Sheep and goat rearing													
Piggery													
Poultry farming													
Other													
Total													
Income generation activities													
Vermicomposting													
Production of bioagents, biopesticides,													
biofertilizers etc.													
Repair and maintenance of farm machinery & imlements													
Rural Crafts													
Seed production													
Sericulture													
Mushroom cultivation	1	0	13	13	3	10	13	0	4	4	3	27	30
Nursery, grafting etc.													
Tailoring, stitching, embroidery, dying etc.													
Agril. Para-workers, para-vet training													
Other													
Total	1	0	13	13	3	10	13	0	4	4	3	27	30
Agricultural Extension													
Capacity building and													

group dynamics													
Other													
Total													
Grand Total	4	21	52	73	20	42	52	7	18	25	48	102	150

I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

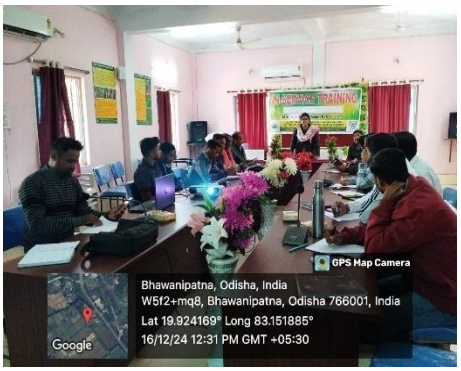
Sl.No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of participants	Sponsoring Agency
					PF/RY/EF			
1	Out scaling of natural farming	Soil health and fertility management	October, 2024	5days	RY	1	40	ICAR

b) Details of participation

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**
Crop production and management													
Increasing production and productivity of crops													
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management	1	2	25	27	2	9	11	0	2	2	4	36	40
Production of Inputs at site													
Methods of protective cultivation													
Other													
Total	1	2	25	27	2	9	11	0	2	2	4	36	40
Post harvest technology and value addition													

Processing and value addition													
Other													
Total													
Farm machinery													
Farm machinery, tools and implements													
Other													
Total													
Livestock and fisheries													
Livestock production and management													
Animal Nutrition Management													
Animal Disease Management													
Fisheries Nutrition													
Fisheries Management													
Other													
Total													
Home Science													
Household nutritional security													
Economic empowerment of women													
Drudgery reduction of women													
Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other													
Total													
Grand Total													

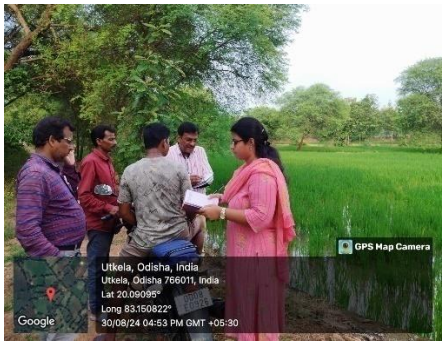
Good quality photographs of training activity:

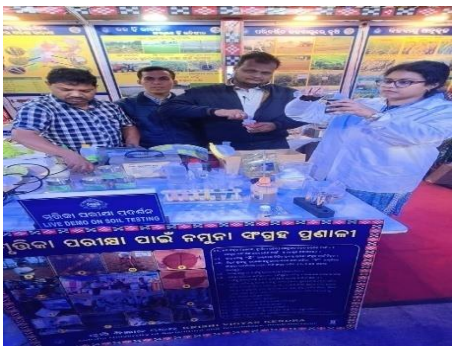


3.4. A. Extension Activities (including activities of FLD programmes)

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	02	56	44	100	12	02	-	02	58	44	102
Kisan Mela	-	-	-	-	-	-	-	-	-	-	-
Kisan Ghosthi	-	-	-	-	-	-	-	-	-	--	-
Exhibition	05	271	229	500	23	25	38	73	306	267	573
Film Show	-	-	-	-	-	-	-	-	-	-	-
Method Demonstrations	02	42	8	50	2	4	5	9	46	13	59
Farmers Seminar	-	-	-	-	-	-	-	-	-	-	-
Workshop	-	-	-	-	-	-	-	-	-	-	-
Group meetings	-	-	-	-	-	-	-	-	-	-	-
Lectures delivered as resource persons	15	155	95	250	9	-	-	-	155	95	250
Advisory Services	42	334	278	612	15	65	85	150	339	363	702
Scientific visit to farmers field	48	125	240	365	21	3	2	5	127	245	372
Farmers visit to KVK	105	248	292	540	18	-	-	-	248	292	540
Diagnostic visits	54	267	241	508	20	-	-	-	267	241	508
Exposure visits	03	50	15	75	-	-	-	-	50	15	75
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-	-
Soil health Camp	1	28	22	50	2	5	2	7	33	25	58
Animal Health Camp	1	26	24	50	2	02	-	02	26	26	52
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	03	16	14	30	3	-	-	-	16	14	30
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Celebration of important days (specify)	10	117	133	250	03	05	08	13	122	141	263
Sankalp Se Siddhi	-	-	-	-	-	-	-	-	-	-	-

Swatchta Hi Sewa	13	80	145	225	8	10	15	25	90	160	250
Mahila Kisan Divas	01	-	25	25	3	02	03	05	02	28	30
Any Other (Specify)	05	52	98	150	12	05	10	15	57	108	165
Total	310	1867	1903	3780	153	128	168	306	1942	1969	4029







B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	15
Radio talks	-
TV talks	-
Popular articles	04
Extension Literature	06
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	Number of farmers to whom seed provided

				production								
					SC		ST		Other		Total	
					M	F	M	F	M	F	M	F
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
Rice	Chandragiri	33.00	138600.00	60	40	-	-	-	-	60	40
Dhaincha	Local	15.00	117000.00	26	24	-	-	-	-	26	24
Sunhemp	Local	2.00	20200.00	25	20	-	-	-	-	25	20
Grand Total											

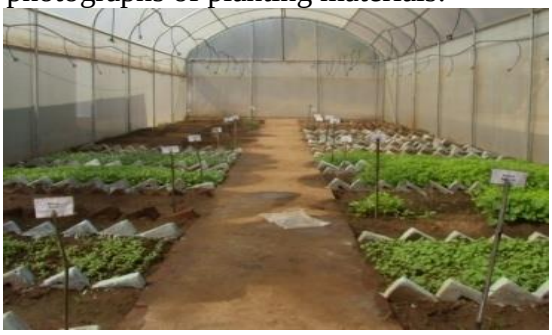
Good quality photographs of seed production:

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Vegetable seedlings											
Cauliflower	Megha, Dasy	18300	27600	05	-	08	3	13	-	26	3
Cabbage	Green boll	12500	22500	03	02	05	08	09	3	17	13
Tomato	Laxmi, Saaho	23400	29080	15	-	19	-	23	2	57	2
Brinjal	VNR-212, Akshita	26500	32800	18	1	24	-	12	5	54	6
Chilli	VNR-315, Nirmiti	10200	21400	05	-	8	2	1	9	14	11
Onion	Red-3, AFLR	12100	6050	02	-	03	01	02	01	07	02
Others (Drumstick)	ODC-3	300	4500	01	-	-	02	01	-	01	02
Fruits											
Mango	Langra, Dasheri	200	9000	-	03	02	-	03	-	02	05
Guava											
Lime											
Papaya	Red Lady	300	7500	-	02	-	-	04	-	04	02
Banana											
Others (Dragon fruit)	Red & white type	1000	36080	02	-	02	-	01	-	05	-
Ornamental plants (Marigold)	Ceracole	200	240	02	05	04	01	02	02	08	08
Medicinal and Aromatic											
Plantation											

Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Others, pl.specify											
Total		105000	196750	53	13	75	17	71	22	195	54

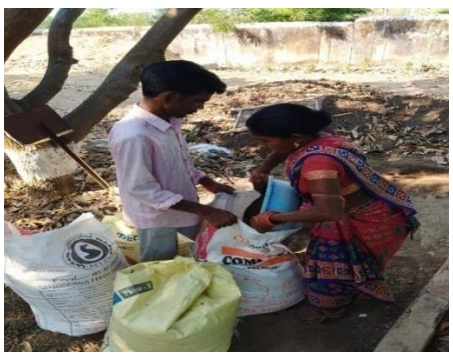
Good quality photographs of planting materials:



Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers										
Bio-pesticide										
Bio-fungicide										
Bio-agents										
Others, please specify.Vermicompost	1315 kg	26300	7	85	3	8	30	5	40	98
Earthworms	15kg	7500	0	10	0	0	5	0	5	10
Natural farming inputs (Jeevamrit, beejamrit, agniastra, neemastra, brahmastra)	260 L	7800	2	9	0	2	2	25	4	36
Total										

Good quality photographs of bio-products:



Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Dairy animals											
Cows											
Buffaloes											
Calves											
Others (Pl. specify)											
Small ruminants											
Sheep											
Goat											
Other, please specify											
Poultry											
Broilers											
Layers											
Duals (broiler and layer)											
Japanese Quail											
Turkey											
Emu											
Ducks											
Others (Pl. specify)											
Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings											
Spawn											
Others (Pl. specify)											
Grand Total											

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 :	Dr. Amitabh Panda
Address :	KVK, Kalahandi
e-mail :	kvkkalahandi.ouat@gmail.com
Phone No. : Mobile :	9437297307

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)

			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2023						
Rabi 2021-22						
Summer/Spring 2023						
Kharif 2023						
Rabi 2022-2023	Arhar	LRG52	50.0 ha	30.8 ha	71.8q	CS

iii) Financial Progress

Fund received (2020-21, 2021-22, 2022-23 and 2023-24)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2020-21				
2021-22				
2022-23				
2023-24				

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

3.6.

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

Item	Title	Author's name	Number	Circulation
Research paper	Soil Health: Concepts, Principles and Road Maps for Management in Regenerative Agriculture	N. Panda, K. K. Mohapatra, ***S. Mohanty***, et al., (2024)Journal of modern agriculture and biotechnology, 3(11). https://doi.org/10.53964/jmab.2024011	1	
	Exploring the influence of polymers on soil ecosystems: prospective from agricultural contexts	D. Sethi, ***S. Mohanty***, et al., (2024) Frontiers in chemical engineering. 6:1485534. doi: 10.3389/fceng.2024.1485534	1	
	Strategic management of nano-fertilizers for sustainable rice yield, grain quality, and soil health	B.R. Sahoo, A.K. Dash, K.K. Mohapatra, ***S. Mohanty*** et al., (2024) Frontiers in environmental science.12:1420505.doi:10.3389/fenvs.2024.1420505	1	
	Plant growth-promoting	J. Das, M. Panigrahy, ***S. Mohanty***, B. Jena et	1	

	Microbes for sustainable crop production (a Review)	al. (2024) Applied biochemistry and Microbiology, DOI: 10.1134/S0003683823603116		
	Comparative Adsorption Study of Cr(VI) and Mn(II) Ions Using Raw and Chemically Activated Pomegranate Peel-Derived Carbon	Nikhil Rahul Dhongde, Shravan Kumar, Saurabh Meshram, Samarjit Singh, **Jagamohan Meher**, Sandeep Dharmadhikari, Iranian Journal of Chemistry and Chemical Engineering	1	
	Impact of Drying Temperature on the Physicochemical and Functional Properties of Butterfly Pea Flower Powder	**Jagamohan Meher**, GnaniarKalusuraman, Niraj Kumar Dewangan, Rajanandini Meher, SenthilkumarKrishnasamy, Santosh Kumar Sahu, Jayant Giri, and Mohammad Kanan, *BioResources*	1	
	Extending Tomato Freshness: The Role of Aloe Vera Gel in Reducing Post-Harvest Losses	**Jagamohan Meher**, GnaniarKalusuraman, VeerananEzhilmaran, Bharathi Annakamu, RamswaroopSaini, SenthilkumarKrishnasamy, Santosh Kumar Sahu, Jayant Giri, ThanikodiSathishk, and Mohammed Aman, *BioResources*	1	
	Comparative Adsorption Study of Cr(VI) and Mn(II) Ions Using Raw and Chemically Activated Pomegranate Peel-Derived Carbon	Nikhil Rahul Dhongde, Shravan Kumar, Saurabh Meshram, Samarjit Singh, **Jagamohan Meher**, Sandeep Dharmadhikari	1	
	Comparative performance and economic analysis of drought-tolerant rice (Variety-Chandragiri) under rainfed ecosystem: A case study from Kalahandi district, Odisha,India.	**Swaraj Meher, Amitabh Panda, Binod Kumar Jena, Prasannajit Mishra, Amit Phonglosa and SK Mondal**, International Journal of Research in Agronomy 2025; SP-8(3): 299-303, https://www.doi.org/10.33545/2618060X.2025.v8.i3Sd.2721	1	
	Enhancing Tomato Yield and Stress Resilience through Grafting: A Study in Kalahandi District of Odisha, India, International Journal of Environment and Climate Change	**Amitabh Panda, Swaraj Meher, Binod Kumar Jena, Amit Phongolosa, S K Mondal and Prasannajit Mishra**, Volume 15, Issue 4, Page 170-179, 2025; Article no. IJECC.133866, https://doi.org/10.9734/ijecc/2025/v15i44801	1	
Seminar/conference/ symposia papers	Varietal Screening of Rice cultivars by standardizing potassium dose in an iron toxic acid inceptisols	S. Mishra, ***S. Mohanty***, R.K.Nayak et al. (2024) International conference on Building small Holder Climate resilience for achieving sustainable food systems, Extended summaries, Page no. 273, 274 2024	1	
	Recent Trend in Millet cultivation for improving climate resilience in Kalahandi District, Odisha, International conference on "Rainfed Agriculture: Building pathways for resilience and sustainable livelihoods".	**Swaraj Meher, Amitabh Panda, Binod Kumar Jena, Shubhashree sahoo, Prasannajit Mishra, SK Mondal, and Amit Phonglosa**, ICAR-CRIDA, Hyderabad from 29th Jan to 31st Jan 2025.	1	
	Boosting cotton productivity through foliar application of Zinc and Boron in Kalahandi, Odisha: An Integrated Nutrient Management Approach., International	**Swaraj Meher, Amitabh Panda, Binod Kumar Jena, Prasannajit Mishra, SK Mondal, and Amit Phonglosa**. Organized by OUAT, Bhubaneswar and Norweigan Institute of Bioeconomy Research, Norway from 17th to	1	

	Conference on Building small holder climate resilience for achieving sustainable food systems.	19th Sept 2024, Page No.-212 to 214.		
	Preparation of Cupcake by using Papaya (*Carica Papaya*)	Kalusuraman G., Jagmohan Meher.,Victoriya Princy J., Hari Haran K. & Tejavarshini S	1	
	Preparation of Sapota Cake (*Manilkara Zapota*)	Kalusuraman G, Jagmohan Meher, Bharathi A , Dhanusha K, Rajesh M & Mohammed Sathar KA	1	
Books	Laboratory Manual on Fundamentals of Soil Science	P.K. Dash, ***S. Mohanty*** (2024) AkiNik Publications. ISBN:978-93-5570-865-6. https://doi.org/10.22271/ed.book.2629	1	
	MrutikaPradusanajanitamaru bhumikarana o eharapratikara (Title: Soil pollution and its mangement)	***S. Mohanty***, R.K.Nayak, P. Majhi et al. (2024)Mrutika: Punahasangrachana, Marubhumi Karana o Marudisahanasilata, CES, Govt. of Odisha, Page no. 91-97, ISBN No. 978-81-978159-0-4, 2024	1	
	Odisha ramrutika: Prakara, stiti o parichalana(Title: Types, Status and management of soils of Odisha)	Mishra, P.K.Das, ***S. Mohanty***, K. N. Mishra (2024) Mrutika: Punahasangrachana, Marubhumi Karana o Marudisahanasilata, CES, Govt. of Odisha, Page No. 9-17 , ISBN No. 978-81-978159-0-4, 2024	1	
	Soil Pollution	***S. Mohanty***, B. Sahoo (2024) Land restoration, desertification & drought resilience. Page no 102-108 Department of forest, environment & climate change, Govt. of Odisha (ISBN No. 978-81-978159-8-0)	1	
	Soils of Odisha: Types, status and management	A. Mishra, P.K. Dash, ***S. Mohanty***, K.N. Mishra (2024) Land restoration, desertification & drought resilience. Page no 07-19 Department of forest, environment & climate change, Govt. of Odisha (ISBN No. 978-81-978159-8-0)	1	
	MrutikaPradusanajanitamaru bhumikarana o eharapratikara (Title: Soil pollution and its mangement)	***S. Mohanty***, R.K.Nayak, P. Majhi et al. (2024)Mrutika: Punahasangrachana, Marubhumi Karana o Marudisahanasilata, CES, Govt. of Odisha, Page no. 91-97, ISBN No. 978-81-978159-0-4, 2024	1	
Bulletins				
News letter	Krushi Kalika	Dr. Amitabh Panda, Senior Scientist & Head	1	500
Popular Articles	Chhatu: Aka arthakariphasala	Shubhasrisahoo,prog asst Home sc Senior Scientist and Head,KVK,Kalahandi Swaraj Meher,NICRAprioject	1	500
	Prakutira dana: Ausadhiyabrukhyaudyana	Shubhasrisahoo,prog asst Home sc Biswa Ranjan Barik, PHC Senior Scientist and Head,KVK,Kalahandi	1	500
Book Chapter	A Review on Detection of Adulteration in Food Using Federated Learning	***Jagamohan Meher*** and Rajanandini Meher, Wiley-Scriveren Publishing	1	
	Perspective chapter: Biopesticides to Produce Zero-	***Bibhutibhusan Sahoo, Amitabh Panda, Subhasri Sahoo and Swaraj Meher*** intechopen 27.05.2024	1	

	Residue vegetables.	DOI:10.5772/intechopen.1005504		
Extension Pamphlets/ literature	Krushikhetra re jiarabahumukhibhumika (Title: Role of earthworm in agriculture)	***S. Mohanty***, T. Badjena, B. Barik, A. Panda (2024) OUAT Publication No. 2024110387	1	
Technical reports				
Electronic Publication (CD/DVD etc.)				
TOTAL				

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

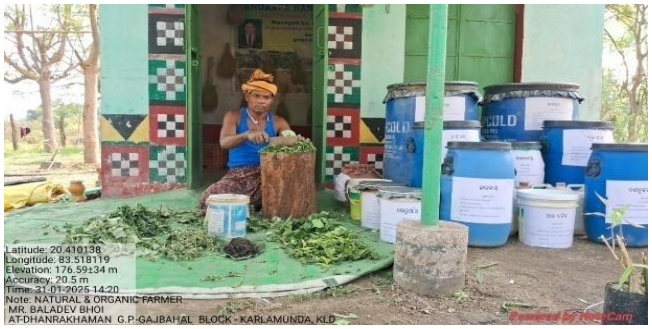
(B) Details of HRD programmes undergone by KVK personnel:

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Refresher training	Soil Care under natural farming	Dr. ShraddhaMohanty, SMS (Soil Science)	11-12 March, 2025 (2 Days)	DEE, OUAT
2.	Exposure Visit	Visit to KVK and successful FPO, Agri-entrepreneurs	Dr. ShraddhaMohanty, SMS (Soil Science)	29th march, 2025 (1 Day)	KVK, Nabarangpur
3.	7th International Conference of Agriculture, Food security & Nutrition	Agriculture for food security and nutrition	Dr. ShraddhaMohanty, SMS (Soil Science)	17-19 January, 2025 (2days)	OUAT and SARM
4.	Online Training	Waste Management in Agri and allied sectors	Dr. ShraddhaMohanty, SMS (Soil Science)	06-10 January, 2025 (5 Days)	EEI, Hyderabad
5.	Residential Training	Natural Farming	Dr. ShraddhaMohanty, SMS (Soil Science)	04-07 March, 2025 (4 Days)	CoNF, SAMBHAV, Nayagarh
6.	International Conference	Building small holder climate resilience for achieving sustainable food system	Dr. ShraddhaMohanty, SMS (Soil Science)	17-19 September, 2024 (2 Days)	OUAT and NIBIO
7.	Refresher Training	Recent advances in Fruit Production at College of Horticulture, Chiplima	Tulasi Majhi, Scientist (Horticulture)	17th Dec-18th Dec 2024 (2 Days)	College of Horticulture,Chiplima
8.	Workshop	SLREC 2024	Binod Kumar Jena, Scientist (Plant Science)	23rd May- 24th May 2024 (2 Days)	OUAT, Bhubaneswar
9.	Workshop	Zonal Workshop-NICRA, 2024	Binod Kumar Jena, Scientist (Plant Science)	19th June 20th June 2025 (2 days)	North Pragana KVK, West Bengal
10	Conference	Internal conference on building pathways for small scale resilience and sustainable livelihood	Binod Kumar Jena, Scientist (Plant Science)	29th January 2025-31st January 2025(2 days)	CRIDA-Hyderabad
11	Seminar	Principal component and cluster analysis of grain quality traits of aromatic rices of Odisha	Binod Kumar Jena, Scientist (Plant Science)	06th Dec-09th Dec 2024(4 days)	ICAR-CRRI, Cuttack
12	Seminar	Marker trait	Binod Kumar Jena,	05th March-06th	North Odsiha

		association analysis of grain quality traits in rice	Scientist (Plant Science)	March 2025 (2days)	University, Balasore
13	Refresher training	Appropriate technologies on farm mechanization and post harvesting processing for sustainable technologies.	Jagamohan Meher, SMS (Agricultural Engineering)	3rd March-4th March 2025 (2 days	Dean Extension Education and CAET , OUAT, Bhubaneswar

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	Baladev Bhoi
Address	Village-Dhanrakhaman, Po- Gajabahal, Block-Karlamunda, District- Kalahandi
Contact details (Phone, mobile, email Id)	Mob.No.-9178056608
Landholding (in ha.)	01
Name and description of the farm/ enterprise	From Crisis to Success: The Power of Natural Farming Baladev Bhoi, 42-year-old farmer from Karlamunda block of Kalahandi,district, Odisha. He was in serious financial trouble as a result of diminishing soil fertility and crop failures caused by conventional agricultural practices. Faced with rising debts, he turned to natural farming, employing techniques such as jeevamrit, beejamrit, and organic mulching. Over time, his soil improved, harvests increased, and farming became economically sustainable.
Economic impact	Comparing conventional and natural farming showed considerable variations in cost, yield, and profitability. The cost of cultivation in conventional farming was Rs.1,48,000 per hectare, while natural farming was substantially cheaper at Rs.91,000. Both systems' Benefit-Cost (B:C) Ratios, which indicate profitability were calculated. Natural farming yielded 458q/ha as compare to Conventional 252 q/ha. Natural farming exhibits a high B: C ratio of 5.27 with 2.1 in conventional methods.
Social impact	These natural farming practices played a crucial role in improving soil health, enhancing crop yield, and ensuring financial stability for Baladev Bhoi. His success story serves as an inspiration for other farmers seeking sustainable agricultural alternatives.

Environmental impact	Natural farming considerably increased soil organic matter and microbial activity, resulting in healthier, more fertile soil. Water retention capacity of soil increased, lowering the risk of soil erosion. Furthermore, omitting synthetic inputs helped to reduce greenhouse gas emissions, making natural farming an environmentally friendly option.
Horizontal/ Vertical spread	Baladev Bhoi's transformation from conventional to natural farming led in better soil health, higher yields, lower expenses, and greater economic stability. His experience demonstrates the advantages of sustainable farming approaches, which not only restore soil fertility but also improve the financial well-being of small-scale farmers. This case demonstrates the effectiveness of natural farming in combating soil degradation and financial despair among small-scale farmers. Farmers can increase output while maintaining long-term environmental sustainability by lowering their reliance on chemical inputs and using organic practices. Natural farming lowers input costs and increases soil fertility. Organic pest management strategies have proven to be effective and sustainable. Financial sustainability improves with higher yields and improved market access, allowing farmers to achieve economic security through environmentally sustainable farming methods. Farmers who want to move to natural farming should start with small plots and gradually expand as they acquire confidence in their practices. Using farm-made bio-inputs like Jeevamrit and beejamrit can dramatically improve soil quality. Networking with other farmers who practise natural farming promotes knowledge sharing and community support, resulting in higher success in implementing sustainable agricultural practices. The formation of farmer cooperatives can increase market access and improve price attainment for naturally cultivated food crops. Government incentives and policies should be structured to encourage natural farming practices, resulting in wider adoption.
Good quality photographs (2-3)	

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)

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

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

Sl. No	Name of the Equipment	Qty.
1.	Nitrogen analyser	01
2.	Spectrophotometer	01
3.	Ph meter	01
4.	Conductivity Meter	01
5.	Hot air oven	01
6.	Chemical balance	01
7.	Mechanical shaker	01
8.	Water Bath	01

9.	Incubator	01
10.	Mridaparikshak kit	01
11.	Weighing Balance	01

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (in Rs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
247	-	247	900	64	20,000/-

3.11.c. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1	Celebration of world soil day	50	1	Sj. Baitura Deep, ADM Kalahandi	25	100

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

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

3.13. Technology week celebration

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

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

No of student trained	No of days stayed

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit
10.05.2024	Sj. Baitura Deep, Additional District Magistrate, Kalahandi	Celebration of Akshaya Tritiya at KVK, campus
10.06.2024	Prof. Pravat Kumar Roul, Hon'ble Vice Chancellor, OUAT, Bhubaneswar	Monitoring KVK activities

	Prof. Prasanjit Mishra, Dean Extension Education, OUAT, Bhubaneswar	
18.06.2024	Malvika Devi, Hon'ble MP Sj. Arka Keshari Deo, Ex. MP, Kalahandi	Pradhan Mantri Samman Nidhi Yojana (PMKSNY)
7.12.2024 to 10.12.2024	Sj. Basanta Kumar Panda, Hon'ble MP Kalahandi	Visited KVK, Stall at District level Farm Mechanization Mela
10.12.2024 to 11.12.2024	Captain Dibyashankar Mishra, Hon'ble MLA Junagarh	Visited KVK stall at District level Matsya O Prani Sampad Mela
10.11.2024	Padmashri Sj. Pataet Sahu	Visited KVK, campus
28.11.2024	Dr. Kalyan Sundar Das, Principal Scientist, ICAR-ATARI, Kolkata	SAC Meeting
	Dr. Amit Phonglosa, DDE(Soil Science), OUAT, Bhubaneswar	
	Dr. P.K. Mohanty, Joint Director, DDE, OUAT, Bhubaneswar	

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)

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

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread

Give information in the same format as given below

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

Good quality photographs (2-3)	

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

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

4.4. Details of innovations recorded by the KVK

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

4.5. Details of entrepreneurship development

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

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Deputy Director of Agriculture, Kalahandi	Diagnostic field visit, e-pest surveillance, technological backstopping through training and demonstration. Member of PKVY and Governing Board member of ATMA
Agriculture Technology Management Agency (ATMA)	Organizing farmer- scientist interaction, Diagnostic field visit and extension activities (AkhayaTrutiya, Environment day Celebration, World Food Day, Women in Agriculture Day), awareness campaign (BPH and seed treatment) are conducted in a collaborative mode.

National Horticulture Mission	Monitoring and verification of quality planting material (QPM) and training cum demonstration on hi-tech horticulture.
NABARD	Monitoring of WADI activities
FPO	Delivering lecture as resource person in various sponsored training programme and monitoring the activities of Hybrid Paddy Seed production and Pigeonpea seed production capacity building of grass root Extension worker.

5.2. List of special programmes undertaken during 2024 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

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

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

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Plant Health Clinic	Diagnose pests, diseases and nutrient deficiencies in any crop and render accurate knowledge to farming community.	2021-22	MIDH	25 lakh

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq. mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Polyhouse	2011	300	Tomato, Brinjal, Chilli, cabbage, cauliflower, onion etc.	Vegetable seedling	1032000 nos.	43223	166750	Unit is Functional
2.	Shadenet	2010	200	Mango, Papaya, Drumstick, Dragon fruit etc	Fruit sapling	1800	8000	30000	Unit is Functional
	Total					10500	51223	196750	

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	
Rice	05.07.2024	21.10.2024	1	Chandragiri	TL	33	28500	132000	
Sunhemp	07.07.2024	05.11.2024	5.5	Local	TL	15	85000	117000	
Dhanicha	01.07.2024	08.12.2024	0.8	Local	TL	2	17000	20200	

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

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Vermicompost	13.15 q	12550	26300	Unit is Functional
2.	Earthworm	0.15 q	1200	7500	Unit is Functional
3.	Natural farming inputs (Jeevamrit, beejamrit, agniastra, neemastra, brahmastra)	260 L	2928	7800	Unit is Functional
	Total		16678	41600	

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.							
2.							
3.							

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)- 25 nos.

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April to March	129	1 days	
Total :			

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed:

No. of staff quarters: 02

Date of completion:

Occupancy details:

Months	Q I	Q II	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
KVK Contigency	State Bank of India	Bhawanipatna, Kalahandi	11083460368
Revolving Fund	State Bank of India	Bhawanipatna, Kalahandi	31944687691

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

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

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2013
	Kharif	Rabi	Kharif	Rabi	

2019.5. Utilization of KVK funds during the year 2024-25 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances			
2	Traveling allowances	150000	150000	103858
3	Contingencies			
A	OE			
B	POL	399500	399500	399500
C	Training			
D	Training Material	225000	225000	225000
E	FLD	113000	113000	113000
F	OFT	112000	112000	112000
G	SCSP	950000	950000	950000
H	Swachhta Expenditure	30800	30800	30800
I				
J				
TOTAL (A)		2010300	2010300	1950158
B. Non-Recurring Contingencies				
1	Library	10000	10000	10000
2				
3				
4				
TOTAL (B)		10000	10000	10000
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		2020300	2020300	1960158

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2020-21	11512.46	1697127	1335112.5	
2021-22				
2022-23				
2023-24	1198524.40	1630303	1218750	
2024-25	1940712.22	748555.34	914781 (Including DEE refund of 350000/-)	1774486.86

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

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both
Verification of Quality Planting material	01	Kharif	Horticulture department	-	-
Potato seed verification	01	Rabi	Horticulture department	-	-
Pest and Disease survey	05	Kharif/Rabi	Agriculture department	-	-
Farmers training programme	05	Kharif/Rabi		ATMA	
Diagnostic field visit	10	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)

8.2. Prevalent diseases in Livestock/Fishery

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

9.1. Nehru Yuva Kendra (NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

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

Type of message	No. of messages	No. of farmers covered
Crop	14	15743
Livestock	04	
Fishery	0	
Weather	15	
Marketing	02	
Awareness	05	
Training information	02	
Other	--	
Total	42	15743

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	4004788
2.	No. of farmers registered in the portal	15743
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
24.08.2024	Cleaniness campaign and swachhta awareness at village level
12.9.2024	Training on preparation of organic decomposer
9.10.2024	Training on composting of biodegradable waste management
12.11.2024	Cleaning and beautification of surrounding areas

8.12.2024	Cleanliness oath
28.12.2024	Cleaniness campaign and swachhta awareness at village level

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	-	-
2. Basic maintenance	-	-
3. Sanitation and SBM	01	4800
4. Cleaning and beautification of surrounding areas	03	
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	5	26000
6. Used water for agriculture/ horticulture application	-	-
7. Swachhta Awareness at local level	2	-
8. Swachhta Workshops		-
9. Swachhta Pledge	1	-
10. Display and Banner	2	-
11. Foster healthy competition	-	-
12. Involvement of print and electronic media	-	-
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	25	-
14. No of Staff members involved in the activities	15	-
15. No of VIP/VVIPs involved in the activities	-	-
16. Any other specific activity (in details)	-	-
Total	**54**	**30800/-**

9.6. Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school

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

Give good quality 1-2 photograph(s)

9.9. Details of '*Pre-Rabi Campaign' / '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 Doordarshan (Yes/ No)	Coverage by other channels (Number)
				MLAs Attended the programme	Chairman ZilaPanchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total		

Please provide good quality photographs:

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

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

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)

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	Santosh Pradhan	Village-Bankel, Sargiguda, Block-Narla Mob. No.- 9776113878	Agriculture and Goat Rearing
2	Biswanath Nag	Village- Sanchergaon, Block-Golamunda Mob. No.- 9668722054	Vegetable Farming
3	Baladev Bhoi	Village- Dhanrakhaman, Gajabahal Block- Karlamunda	Natural Farming

		Mob. No.- 9439234788	
4	Basanta Kumar Biswal	Village- Kendugupka, Karlapada, Block- Bhawanipatna Mob. No.- 7849058467	Agri-Horti Enterprise
5	Ananda Chandra Pradhan	Village- Tentulipada, Kalam Block- Bhawanipatna Mob. No.- 9556655621	Agri-Horti Enterprise

9.13. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Farmers Hostel, Training hall charges and soil testing	21000/-	-

9.14. Resource Generation:

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

9.15. Performance of Automatic Weather Station in KVK

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

9.16. Contingent crop planning

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

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

a) Year:
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 2024

Progress of DAPST for the year 2024 (Jan. to Dec., 2024)

Name of KVK							
Sl.No.	***Item/Activity***		***Units***	***Targets/Achievements***		***No. of Beneficiaries***	
				Annual Targets	***Achievements***	***Annual Targets***	***Achievements***
1	**Trainings (Capacity building/ Skill Development etc.)**		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	**On Farm Trials (OFTs)**		No.				
3	**Front Line Demonstrations (FLDs) and other demonstrations**		No.				
4	**Awareness camps, exposure visits etc.**		No.				
5	**Input Distribution**						
	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	tonnes				

		fertilizers					
	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	**Services/Facilitation**						
	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	**Distribution of Literature**		No.				
8	**Employment generation for livelihood**		(Man-months)				
9	**Fellowship, Stipends or Scholarship**		No.				
10	**Area oriented R&D Activity (project addressing the problems of agri. Sector faced by the SC/STs and benefit directly, which is measurable and identifiable**		No. of projects				
11	**Monitoring & Evaluation of DAPSC/ST (upto 3%)**						
12	**Any other (specify)**						

b. Fund received under TSP in 2024-25 (Rs. In lakh):

12. Details of DAPSC/ SCSP

a. Achievements of physical output under SCSP during 2024

Progress of DAPSC for the year 2024 (Jan. to Dec., 2024)

Name of KVK				
Sl.No.	***Item/Activity***	***Units***	***Targets/Achievements***	***No. of Beneficiaries***

				Annual Targets	*Achievements*	*Annual Targets*	*Achievements*
1	**Trainings (Capacity building/ Skill Development etc.)**		No.				
	1.1	1-3 days	No.	6	6	180	180
	1.2	4-10 days	No.				
	1.3	2-4 weeks	No.				
	1.4	More than 4 weeks	No.				
2	**On Farm Trials (OFTs)**		No.				
3	**Front Line Demonstrations (FLDs) and other demonstrations**		No.	13	13	169	169
4	**Awareness camps, exposure visits etc.**		No.	4	4	100	100
5	**Input Distribution**						
	5.1	Seeds (Field Crops)	Tonnes	1.5	1.5	140	140
	5.2	Seeds (High Value Crops, spices etc.)	kg				
	5.3	Seeds (Root & Tuber Crops)	tonnes				
	5.4	Nursery plants	No.	30000	10000	60	30
	5.5	Cutting , slips, suckers, etc	No.	1000	800	20	10
	5.6	Mushroom Spawns/ Bio-Fertilizers (in Packets)	Packets	2000	2125	140	140
	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.	2000	1200	20	16
	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	1	1	85	85
	5.21	Soil amendments (Gypsum, lime etc.)	tonnes				
	5.22	Plant protection chemicals	kg	200	200	20	20
	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	**Services/Facilitation**						
	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	**Distribution of Literature**		No.	6	6	500	500
8	**Employment generation for livelihood**		(Man-months)				
9	**Fellowship, Stipends or Scholarship**		No.				
10	**Area oriented R&D Activity (project addressing the problems of agri. Sector faced by the SC/STs and benefit directly, which is measurable and identifiable**		No. of projects				
11	**Monitoring & Evaluation of DAPSC/ST (upto 3%)**						
12	**Any other (specify)**						

b. Fund received under SCSP in 2024-25 (Rs. In lakh): 9.5 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	
Digging of trenches and raising of bunds in non-arable land for water conservation	1	20	1.5	3	1	7	9	18	13	28	23	51	-
Raising and strengthening of	1	-	3.4	11	24	-	-	-	-	11	24	35	-

field bunds													
Polymulching to conserve soil moisture	5	5	1.2	1	-	4	-	5	-	10	-	10	-
Vermicomposting: Preparation and application	2	11	-	0	6	1	0	4	0	5	6	11	-
Green-manuring through Sunhemp	2	-	2.5	0	0	4	0	7	1	11	1	12	-

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	
Demonstration of Drought tolerant Rice variety "Chandragiri"	4.1 ha	2	7	1	3	4	1	7	11	18	-
Demonstration on Perennial fodder crop "Bajra Napier Hybrid-10 (BNH-10)"	2.2 ha	0	0	2	0	8	0	10	0	10	-
Demonstration on Ragi variety-Shreeratna	2.5 ha	1	0	2	1	7	3	10	4	14	-
Demonstration on weed management in rice	3.5 ha	4	8	1	0	8	3	13	11	24	-
Demonstration on cultivation of Grafted Tomato	1.2 ha	1	7	2	1	8	2	11	10	21	-
Demonstration on Heat Tolerant Tomato – ARKA Vishesh	1.5 ha	0	15	0	0	0	0	0	15	15	-
Demonstration on Oyster Mushroom Cultivation	0.5 ha	1	24	0	0	0	0	1	24	25	-

Livestock and fisheries

Name of intervention undertaken	Number of animals covered	No of unit	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
Backyard rearing of poultry birds (Sonali)	520	-	-	4	40	2	7	11	23	17	70	87	-
Construction of low-cost goat shed	7	7	-	0	4	0	0	3	0	3	4	7	-

Institutional interventions

Name of intervention undertaken	No of unit	Area (ha)	No of farmers covered / benefitted									Remarks
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	
Custom Hiring Centre	1	-	11	31	10	08	22	17	43	38	81	-
Seed bank	1	-	4	6	7	0	9	2	20	8	28	-

Capacity building

Title of the program	**No. of training programmes**	**Number of beneficiaries**			**Date**
		Male	**Female**	**Total**	
Crop Residue Management for conserving soil moisture and organic matter.	2	31	19	50	10.07.2024 & 20.07.24
Soil Moisture conservation techniques and Soil Health Management.	1	25	0	25	01.10.2024
Natural Farming Practices for conservation of Biodiversity.	2	22	28	50	11.09.2024 & 17.10.24
Crop Rotation and diversification for improving resilience.	2	28	22	50	13.08.2024 & 05.08.24
Use of Green manuring for better fertility and crop yield.	1	25	0	25	28.10.2024
Vermicomposting: Preparation and application.	2	25	25	50	21.02.2025 & 13.02.25
Precision farming practices for resource optimization.	1	18	7	25	14.11.2024
Use of Bio-Pesticides for sustainable agronomic practices.	1	13	12	25	19.12.2024
Adoption of protected cultivation methods for nursery raising to mitigate climate risk.	2	25	25	50	23.12.2024 & 06.01.25
IPM & IDM in vegetable crops,	2	25	25	50	06.01.2025 & 15.01.25
Techniques for heat stress management in horticultural crops.	1	15	10	25	24.01.2025
Mulching and Drip irrigation techniques for water conservation in vegetable crops.	1	17	8	25	18.01.2025

Extension activities

Name of the activity	**Details about the activity**	**Number of programmes**	**Date**	**No. of beneficiaries**		**Remarks**
				Male	**Female**	
Exposure visit of farmers to Hi-Tech Horticulture, Raighar under NICRA-TDC	Grafting technology	1	03.01.25	30	0	-
Exposure visit of farmers to Natural Farming unit, Karlamunda under SCSP of NICRA-TDC	Preparation and method demonstration on Natural	1	28.02.25	06	24	-

	Farming					
Field day on Drought Tolerant Rice "Chandragiri"	Popularized Drought Tolerant Rice Chandragiri.	2	20.11.24 &	46	54	-
Field Day on Polymulching to conserve soil moisture	Use and application Polymulching technology in vegetable crops	2	12.02.25	39	61	-
Awareness camp on Plant Health Management	Disease and pest diagnosis and control measures	1	26.12.24	36	14	-
Awareness camp on Soil Health Management	Soil testing and its management	1	05.02.25	50	0	-
Awareness & vaccination camp on Animal Health Management	Vaccination and its importance	1	18.02.25	31	19	-

Technology (ies) popularized/ scaled up during the year

Village name	**Technology scaling up/out**	**No. of farmers reached**	**Coverage (ha) / number**	**Convergence with the programme**	**Approx. amount mobilised**
Indramal,Gudang &Bagpur	Construction of low-cost goat shed	**7**	7	Dept. of Veterinary	70000
Indramal	Opening of trenches and construction of bunds	31	22 nos.	Dept. of Agril-engineering	50000
Indramal	Community Nursery	15	0.2 ha	Dept. of Horticulture	30000
Khairbhadi&Bagpur	Backyard rearing of poultry birds	85	520 nos.	Dept. of Veterinary	36000

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 FPO	Khitish Naik	2024	OUAT, BBSR	-	63rd

						OUAT, Foundation Day
2.	Best Farmer	Biswanath Nag	2024	OUAT, BBSR	-	Farmers Fair

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	Manikeswari Producer Company Limited	-	13.06.2015 At- Balipada, P.O.- Bhanpur, Block- Narla, Dist- Kalahandi	Millet and Pulses Marketing	Ragi, Kodo, Gurji, Pigeopea, Greengram, Maize, Cotton	512	53 lakh	11.00 lakh profit per Annam

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)

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	Title of the	Duration	No. of participants	Fund utilized for

of training	training	(in hrs.)										the training (Rs.)
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	

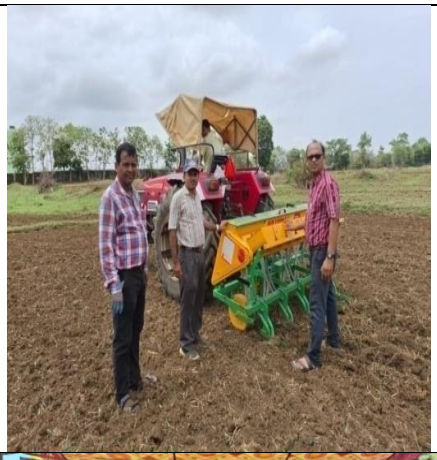
20. Information on NARI Project (if applicable)

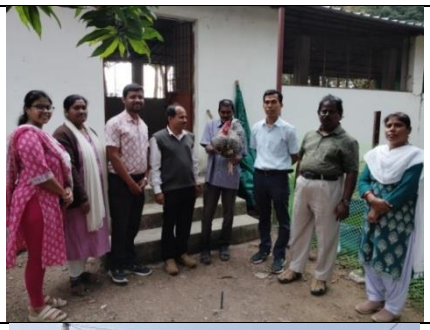
Name of Nodal Officer	No. of OFT on specified aspects	Title(s) of OFT	No. of FLD on specified aspects	No. of capacity development programme on specified aspects	Total no. of farm women/ girls involved in the project	Details of Issues related to gender mainstreaming addressed through the project

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

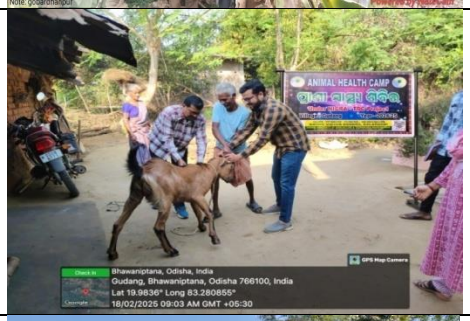
22. Good quality action photographs of overall achievements of KVK during the year (best 10)

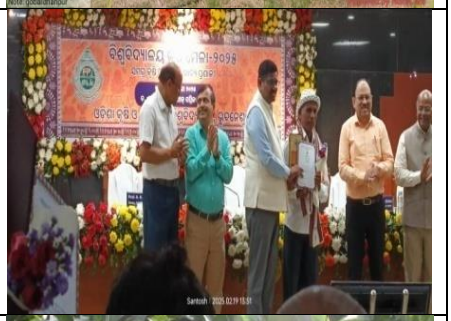





Latitude: 19.683752
Longitude: 82.829028
Altitude: 185.225 m
Accuracy: 6.2 m
Time: 05-07-2024 09:59
Note: gobardhanpur


Latitude: 19.663487
Longitude: 82.837794
Elevation: 236.81±7 m
Accuracy: 5.6 m
Time: 05-17-2024 11:04
Note: gobardhanpur


ANIMAL HEALTH CAMP
GPS Map Camera
Bhawaniptana, Odisha, India
Gudang, Bhawaniptana, Odisha 766100, India
Lat 19.9836° Long 83.280858°
18/02/2025 09:03 AM GMT +05:30




GPS Map Camera
Kalahandi, Odisha, India
, Odisha 766101, India, Kalahandi, Odisha 766101, India
Lat 20.157922° Long 83.382569°
28/02/2025 02:19 PM GMT +05:30
Google