

PROFORMA FOR ANNUAL REPORT2024 (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
KVK, Sundargarh-I	Office	FAX	kvksundargarh1.ouat@gmail.com
At/Po- Kirei, Sundargarh-770073			Kvk.sundargarh1@ouat.ac.in

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

Address	Telephone		E mail
	Office	FAX	
OUAT, Bhubaneswar-751003			

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

Name	Telephone / Contact		
Dr. Laxmipriya Pradhan	Residence	Mobile 9438041580	Email laxmiouat@gmail.com

1.4. Year of sanction of KVK: March 2004

1.5. Staff Position (as on 1st January, 2024)

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. LaxmipriyaPradhan	Senior Scientist & Head	Home Science	92500	16/5/18	Temporary	Others
2	Subject Matter Specialist	Mr. David James Bage	Scientist	Agriculture. Extension	95300	8/8/2012	Temporary	ST
3	Subject Matter Specialist	Dr. Manoj Kumar Jena	Scientist	Soil Science	95300	08/06/2021	Temporary	Others
4	Subject Matter Specialist	Dr. DibyenduMondal	Subject Matter Specialist	Agronomy	67000	09/06/2021	Temporary	SC
5	Subject Matter Specialist	Mr. Ashis Ku Mohanty	Scientist	Horticulture	95300	24.7.2023	Temporary	
6	Subject Matter Specialist	Vacant						
7	Subject Matter Specialist	Vacant						
8	Programme Assistant	Bidyadhar Tudu	Prog. Assistant	Forestry	38700	10.7.2023	Temporary	Others
9	Computer Programmer	Arun Ku Mishra	Prog Asst (Computer)		64000	1/7/2011	Temporary	Others
10	Farm Manager	Mayukh Adhikary	Farm Manager	Entomology		7.7.2023	Temporary	
11	Accountant / Superintendent	Vacant						
12	Stenographer	Kamal lochanMohanta	Steno-cum-Comp. Operator		39800	09/06/2021	Temporary	Others
13	Driver	Bhramarbar Sa	Driver-cum-Mechanic		26800	10/8/2008	Temporary	
14	Driver	Jitendra Kumar Sethy	Driver-cum-Mechanic		27400	09/06/2021	Temporary	SC
15	Supporting staff	GajananChhanda	Peon-cum-Watchman		24300	18/6/2013	Temporary	OBC
16	Supporting staff	Vacant					Temporary	

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1.	Under Buildings	1.5
2.	Under Demonstration Units	1.5
3.	Under Crops	2.0
4.	Orchard/Agro-forestry	1.2
5.	Others with details	Forest Plantation-3.0Pisciculture – 0.4, Wasteland-7.24
	Total	16.84

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		Yes	OMBADC
2.	Farmers Hostel					Yes	372	Yes	RKVY
3.	Staff Quarters (6)								ICAR
4.	Piggery unit					Yes	6600	Yes	ICAR
5.	Fencing								
6.	Rain Water harvesting structure					Yes	2000	Yes	ICAR
7.	Threshing floor					Yes	3000	Yes	ICAR
8.	Farm godown					Yes	185.8	Yes	ICAR
9.	Dairy unit					Not started	34.83	NO	ICAR
10.	Poultry unit								
11.	Goatary unit					Yes	25	Yes	ICAR
12.	Mushroom Lab					Yes	25	Yes	RKVY
13.	Mushroom production unit					Yes	27.8	Yes	RKVY
14.	Shade house					Yes	35	Yes	ICAR
15.	Soil test Lab					Yes	50	Yes	RKVY
16.	Others, Please Specify					Yes	80	Yes	ICAR
						Yes	35	Yes	ICAR

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
2022	7,98,451	12192	Running Condition	
2005	50000	-	Not in usable condition	

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment	2015-16	12,00,000	working	ICAR
Soil Lab equipments& instruments	2019-20	20,000	working	ICAR
Solar Dryer				
b. Farm machinery				
Power Tiller	2015-16	2,87,000	working	ICAR
Tractor	2022-23	7,50,000	working	ICAR
c. AV Aids				
Computer Desktop	2015-16	50,000	working	ICAR
Chairman Unit	2021-22	22800	Working	ICAR
Desktop	2021-22	49000	working	ICAR
Laptop	2021-22	52000	working	ICAR
Portable Audio System	2022-23	19000	Working	ICAR
Motorised Projector Screen	2022-23	13000	Working	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Power Weeder	2015-16	2,36,000	Running	ICAR
Brush Cutter	2015-16	50,000	Running	ICAR
Power Weeder	2016-17	86,000	Running	ICAR
Brush Cutter	2011-12	45,000	Running	ICAR
Cultivator	2016-17	30,000	Running	ICAR
MB Plough	2015-16	32,000	Running	ICAR
Power Saw	2021-22	15,000	Running	ICAR
Pruning Saw	2017/18	14,000	Running	ICAR
2 hp pump	2014-15	38,000	Running	RKVY

1.8. Details of SAC meeting* conducted in the year

Sl.No.	Date	No of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	20.1.2024		➤ KVK should provide trainings and demonstration on value addition of millets to SHGs	➤ KVK has provided 9 nos of trainings under CBSAE development project under OMBADC and also in TSP programme to F/FW and to In-service personnels ➤ 2 no of Demonstration on ragi variety Arjuna and INM in Ragi conducted in Balisankara, Kutra, Lephripara Block covering 9ha. ➤ 3 nos. Millet recipe contest organised in Kutra, Balisankara and Hemgir Blocks covering 270 WSHG members	
			➤ KVK should conduct more no of OFT & FLD, Training & Awareness programmes on millets	➤ 1 OFT & training on value addition of millets shall be conducted in February'24 ➤ Visit of CBSAE team to millet demonstration unit at Balisankara ➤ 15 nos of awareness programme conducted and attended by KVK Scientists	
			➤ Demonstration of millets (Crop cafeteria) at KVK campus	➤ KVK developed a millet crop cafeteria in KVK campus with 11 nos of varieties.(Finger Millet, Kodo Millet, Fox-tail Millet, Little Millet, Pearl Millet, Proso Millet) ➤ 7 nos of exposure visit by farmers farmwomen and in-service personnel from Sundargarh & Jharsuguda district.	
			➤ KVK should include training & awareness programmes on farm mechanization, water management, water use efficiency	➤ 1 No of training on rain water harvesting and water conservation to members of Watershed at village Karlaghati of Subdega Block	
			➤ KVK should conduct demonstrations in drudgery reducing farm implements	➤ 1 no of training provided to the F/FW in Kutra block on comfort elevation of farmwomen using farm implements	

				➤ 5 nos of awareness programme on use of Ragi thresher-cum-pearler (OUAT Made) for comfort elevation of farmwomen conducted	
			➤ Bee-Keeping should be promoted in the district	➤ 1 training on Scientific rearing of Honey Bee (7 days) duration conducted for Rural Youth ➤ KVK has developed 3 nos of entrepreneur having 35 nos of Bee boxes and are producing 105 kgs of honey on an average per season. ➤ 10 nos of Bee boxes has been provided under TSP programme	
			➤ Suitable agro-forestry models should be tested through OFT for different agro-ecological situations of the district. Pineapple, Custard apple, stone apple etc should be promoted in forest areas of the district	➤ Demonstration on Pineapple in Mango based Agro Forestry system in Jauramunda, Falsakani village of Kutra Block and in KVK Campus covering 1.0ha. ➤ 2 nos of training on different agro-forestry models have been conducted for F/FW involving 60 nos participants. ➤ 1 nos of field day has been conducted on Pineapple IN Mango based Agro Forestry system	
			➤ Emphasis should be given for Horsegram in rainfed dryland areas of the district	➤ Awareness on inclusion of Horsegram in crop diversification programmes of Agril. & F.E. department as well different training programmes in KVK. ➤ Last year district has achieved 25'000ha horsegram area and this year plan to achieve 27900ha during Rabi 2023-24	
			➤ Demonstration on Pusa/NRRI decomposer should be conducted by KVK	➤ 1 no of OFT has been conducted in 1ha area of Sadar Block involving 7 farmers ➤ 1 demonstration conducted in KVK campus	
			➤ KVK should conduct training & demonstration on value addition of Oyster mushroom	➤ 1 no of 3 days skill development training has been conducted with 30 nos of rural youth (Dry mushroom, Mushroom pickle, Mushroom Pakoda, Soup powder and mushroom nuggets)	
			➤ Large scale awareness on vermicomposting should be done	➤ One 5 days skill development training programme under CBSAE development (OMBADC) to 20 nos of rural youth ➤ One three days skill development training programme conducted for 25 nos. of Rural youths. ➤ 10 nos. of awareness programmes organised by OFSDP-II involving 1000 nos. of VSS members	
			➤ Scientists of KVK should participate in agriculture and allied programmes of AIR, Rourkela for better dissemination of technical knowledge to farming community	➤ KVK scientists are regularly delivering talks in Kisan Bani programme at AIR, Rourkela.	
			➤ Off-season vegetable cultivation should be promoted in the district	➤ Kharif cauliflower and Tomato has been promoted in our adopted village Tamibahal of Sadar Block. ➤ Technical guidance has been provided by KVK for Off-season vegetable cultivation in Kaseijharan, VSS members of Lephripa Block	

** 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	Rice-fallow Rice-Sesamum- fallow, Rice-Chickpea, Rice-greengram, Rice-vegetable
2	Agro-climatic Zone	North Western Plateau Zone (1)
3	Agro ecological situation	AES-I – Low rainfall, lateritic soil, AES-II – Medium rainfall, red and black soil, AES-III – High rainfall, lateritic soil, AES-IV – Medium rainfall, black and brown forest soil
4	Soil type	Red soil, Mixed red and yellow soil, Lateritic Soil,
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Rice: 26.65 q/ha, Ragi, 3.67 q/ha, Maize 25.79 q/ha, Greengram: 3.88 q/ha, Blackgram: 4.54 q/ha, Sesamum: 3.99 q/ha, Groundnut: 16.55/ha, Banana: 237.4 q/ha, Guava: 88.7 q/ha, Mango: 63.1 q/ha, Papaya: 146.5 q/ha, Okra: 109 q/ha, Onion: 127.7 q/ha, Potato: 132.4 q/ha, Tomato: 144.7 q/ha
6	Mean yearly temperature, rainfall, humidity of the district	Min-(10-25 ⁰ C), Max -(30-45.2 ⁰ C) ,1422.4mm,
7	Production of major livestock products like milk, egg, meat etc.	Milk -49.486 '000MT; Egg-58.68 Million; Meat--14.34 '000MT

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	Jauramunda	Kutra	Jauramunda	Rice, Maize & Vegetables	Imbalance use of fertilizer, Lack of knowledge on IPM practices, Use of Old varieties, Maximum area is under Rice-faloow	INM, IPM, IWM, Varietal Replacement, Rice fallow
2	Rajabasa	Kutra	Rajabasa	Rice, Maize & Vegetables		
3	Mahuljore	Sadar	Mahuljore	Rice, Vegetables, Poultry		
4	Sahebdera	Lephripa	Sahebdera	Rice, Vegetables, Poultry,Pulse		
5	Phuldhudi	Tangarpali	Phuldhudi	Rice, Vegetables, Poultry, Mushroom		
6	Daldali	Tangarpali	Daldali	Rice, Vegetables, Poultry		

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
Barangakacchar	Bargaon	Training on INM, IPM, Varietal substitution, crop improvement, organic farming, nutritional security, NTFP, value addition, Fisheries, creation of organic input products, income generation activities, Hand holding Support to 4 SHGs by asset creation in the village on drudgery reduction small tools, community nursery
Mahuljore	Sadar	Training on INM, IPM, Varietal substitution, crop improvement, organic farming, nutritional security, NTFP, value addition, Fisheries, creation of organic input products, income generation activities, Hand holding Support to 9SHGs by asset creation in the village on drudgery reduction small tools, community nursery
Jauramunda	Kutra	Training on INM, IPM, Varietal substitution, crop improvement, organic farming, vegetable farming nutritional security, value addition, Fisheries, creation of organic input products, income generation activities, Hand holding Support to 3 Urban SHGs by asset creation in the village on drudgery reduction small tools, community nursery
Lahandabud	Sadar	Training on INM, IPM, Varietal substitution, crop improvement, organic farming, nutritional security, NTFP, value addition, Fisheries, creation of organic input products, income generation activities, Hand holding Support to 7 SHGs by asset creation in the village on drudgery reduction small tools, community nursery
Sahebdera (DFI)	Lephripara	Training on INM, IPM, Varietal substitution, crop improvement, organic farming, nutritional security, NTFP, value addition, Fisheries, creation of organic input products, income generation activities, Hand holding Support to 8 SHGs by asset creation in the village on drudgery reduction small tools, community

		nursery
Phuldhudi	Tangarpali	Training on INM, IPM, Varietal substitution, crop improvement, organic farming, nutritional security, NTFP, value addition, Fisheries, creation of organic input products, income generation activities, Hand holding Support to 3 SHGs by asset creation in the village on drudgery reduction small tools, community nursery
Barangakacchar	Bargaon	Training on INM, IPM, Varietal substitution, crop improvement, organic farming, nutritional security, NTFP, value addition, Fisheries, creation of organic input products, income generation activities, Hand holding Support to 4 SHGs by asset creation in the village on drudgery reduction small tools, community nursery

2.1 Priority thrust areas

S. No	Thrust area
1.	Thrust area
2.	Promoting diversified cropping pattern in uplands (Oilseeds/Pulses/Maize)
3.	Varietal substitution in major field crops and vegetables
4.	Promoting Integrated Weed and Nutrient management practices in major field crops
5.	Promoting Integrated Pest and Disease Management strategy in major crops
6.	To emphasize on cultivation of lucrative non-traditional, off-season and exotic vegetables
7.	To promote farm mechanization and improve use of implements for drudgery reduction
8.	To promote alternate livelihood options for resource poor farm house holds
9.	To promote farming system approach

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
48	48.2	100000	115000

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
		456	445

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

3.1 Achievements on technologies assessed and refined

OFT- 1 (AGRONOMY)

1	Title of On farm Trial	Assessment of Herbicides in Pigeon pea
2	Problem diagnosed	Yield loss due to high weed pressure
3	Details of technologies selected for assessment / refinement (Mention either Assessed or Refined)	Hand weeding at 40-50 DAS FP - Hand weeding at 40-50 DAS TO1 - Pre-emergence application of Pendimethalin 30 EC @ 0.75 kg a.i./ha at 3 DAS followed by hand weeding at 50 - 60 DAS TO2 - Pre-emergence application of Pendimethalin 30EC @ 0.75 kg a.i./ha at 3 DAS followed by post-emergence application of Imazethapyr 10 SL @ 100 g a.i./ha
4	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	SLREAC Report, OUAT-2020-21
5	Production system and thematic area	Pigeonpea – fallow, Weed Management
6	Performance of the Technology with performance indicators	No. of Weeds /m ² Weed control efficiency, No. of cobs per plant, Cob length, Seeds/Cob. Test weight (g), Yield q/ha and Economics
7	Final recommendation for micro level situation	TO-2 gives better control of weeds and resulted highest WCE (83.51 %) over TO-1. TO-2 gives highest yield (15.1 q/ha) in comparison to other treatments.
8	Constraints identified and feedback for research	
9	Process of farmers participation and their reaction	Training, Method Demonstration, Farmers are happy with the technology

Thematic area:

Problem definition: Yield loss due to high weed infestation

Technology assessed: Introduction of some new herbicides

Table:

Technology option	No. of trials	Yield component			No of Pods/Plant	No of seeds/ Pod	Biological Yield	Grain Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Weed Bio-Mass		WCE (%)								
TO1	7	22.9 (4.84)*	28.3 (5.36)	-	173.6	3.2	71.4	13.6	51413	102680	51267	1.99
TO2		9.1 (3.09)	9.9 (3.21)	75.234	191.7	4.4	78.6	14.6	53764	110230	56466	2.05
TO3		8.7 (3.07)	5.4 (2.37)	82.48	195.3	4.4	80.2	15.3	46086	115515	69429	2.51



OFT- 2 (HORTICULTURE)

1	Title of On farm Trial	Assessment of different growing media for raising seedlings in protrays
2	Problem diagnosed	Poor quality of seedlings and high mortality in field
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Raising of seedlings in nursery bed TO1: Raising seedlings in protray with Coco-peat TO2: Raising seedling with 75% cocopeat +25% FYM enriched with neem cake and biopesticides (T. viride, P. fluorescence@2kg each in 200kg neem cake mixed with 600kg FYM) in protrays.
4	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CIWA,2025; TNAU,2019
5	Production system and thematic area	Vegetable-Vegetable, Production of Quality planting materials.
6	Performance of the Technology with performance indicators	Ht. of seedlings(cm), Leaf area(cm ²), Germination %, Mortality %, no. of seedlings/10 trays, income/ha
7	Final recommendation for micro level situation	Raising seedling with 75% cocopeat +25% FYM enriched with neem cake and biopesticides (T. viride, P. fluorescence@2kg each in 200kg neem cake mixed with 600kg FYM) in protrays produced vigorous seedlings and mortality % was very less in the main field.
8	Constraints identified and feedback for research	-
9	Process of farmers participation and their reaction	Training, Method Demonstration, Field day. Farmers are happy with the technology.

Thematic area: Production of Quality planting materials.

Problem definition: Poor quality of seedlings and high mortality in field

Technology assessed: Assessment of different growing media for raising seedlings in protrays.

Results:

Table:

Technology option	No. of trials	Germination (%)	Plant height (cm)	Seedling girth (cm)	Number of leaves	Percentage of healthy seedling	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	7	69.03	9.16	0.26	4.88	64.15	18420	41418	22998	2.25
TO1		94.11	11.90	0.32	5.78	82.42	22200	56465	34265	2.54
TO2		96.98	12.66	0.36	6.20	87.33	22600	58188	35588	2.57



OFT- 3 (HORTICULTURE)

1	Title of On farm Trial	Assessment of foliar application of micronutrient in Bittergourd
2	Problem diagnosed	Small size and deformed fruits
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Application of N:P: K@80:40:40 kg/ha (TO-I): Foliar application of mixture of nutrients involving Zn, Mo, Cu, Fe & Mn(100 ppm each) (TO-II): Combined foliar application of micronutrients B and Zn @ 100 ppm each
4	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT, Annual Report, 2014-15, IIVR, Annual Report, 2017-18
5	Production system and thematic area	Vegetables-Vegetables (Integrated Nutrient Management)
6	Performance of the Technology with performance indicators	Weight of Fruit, No. of fruit/Plant, Yield (q/ha), Net return (Rs/ha), B:C ratio
7	Final recommendation for micro level situation	Foliar application of mixture of nutrients involving Zn, Mo, Cu, Fe & Mn(100 ppm each) increased the fruit size and reduced the deformity of fruits.
8	Constraints identified and feedback for research	-
9	Process of farmers participation and their reaction	Training, Method Demonstration, Field day. Farmers are happy with the technology.

Thematic area: Integrated Nutrient Management

Problem definition: Small size and deformed fruits

Technology assessed: Foliar application of micronutrient in Bittergourd

Results:

Table:

Technology option	No. of trials	Vine length(cm) at 60DAS	Days to 50% flowering	No. of fruits/ vine	Fruit length (cm)	Fruit wt.(g)	Fruit Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	7	243.13	48	13.70	12.90	61.15	68.24	68800	122300		1.78
TO1		316.50	39	22.20	16.65	92.05	81.21	72100	162420		2.25
TO2		308.42	36	20.40	14.46	90.12	78.42	71600	156840		2.19



OFT- 4 Soil Science

1.	Title of On farm Trial	Assessment of organic inputs in Ragi
2.	Problem diagnosed	Low yield of Ragi due to no use of organic sources of nutrients
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP - FYM @ 2t/ha only TO1 - Seed treatment with Bijamrut + Soil application of Jibamrut+ Spraying of Brahmastra TO2 - Soil application of Sanjibak+Spraying of Neemastra
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	National centre for organic and natural farming, 2020-21
5.	Production system and thematic area	Rice- fallow, Organic Inputs in crops
6.	Performance of the Technology with performance indicators	Initial and post harvest soil test value, No. of effective tillers /sq m, No of filled grain per panicle, 1000 grain weight (gm), Yield (q/ha) ,Economics
7.	Final recommendation for micro level situation	TO1 resulted in higher grain yield of Ragi
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Training, Method Demonstration, Farmers are happy with results

Thematic area: INM

Problem definition: Low yield of ragi due to no use of organic sources of nutrients

Technology assessed: Assessment of organic inputs in Ragi

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/m ²	Length of fingers in cm	Test wt. in gm						
FP	7	15.2	6.1	-	-	8.2	17000	35178	18178	2.07
TO1		20.1	8.2	-	-	11.6	20800	49764	28964	2.39
TO2		17.8	7.8	-	-	10.4	19500	44616	25116	2.29

Results:

Good quality photographs of different treatments:

OFT- 5 Community Science

1.	Title of On farm Trial	Refinement of improved techniques of Paddy straw mushroom cultivation using crumpled straw
2.	Problem diagnosed	Low production from paddy straw mushroom bed by using crumbled straw(8 to 10%)
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP - Rectangular compact method ,Mushroom production by using crumpled paddy straw -5kg with normal practice (soaking in water 5hrs with 2% calcium carbonate), 14-20 age of spawn, 3% of dry substrate weight), pulse powder 3% dry substrate weight, BE-8-12% TO1 - Square compact Mushroom production by using crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% CaCo3, 14-20 days age spawn at 2% of dry substrate weight and Pulse powder (at 2% dry substrate weight) , BE-12-14% TO2 - Circular compact method Mushroom production by using crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% CaCo3, 14-20 days age spawn at 2% of dry substrate weight and pulse powder (at 2% dry substrate weight) BE-12-16%
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	
5.	Production system and thematic area	Homestead, Income generating activity
6.	Performance of the Technology with performance indicators	Pinhead appearance, Yield, Biological efficiency
7.	Final recommendation for micro level situation	Homogenous moisture level and even bed temperature between layers leads to more pin heads and buttons in Circular Bed with increase in yield of 13%.Circular method of cultivation giving higher result but rectangular compact method is easy for adoption
8.	Constraints identified and feedback for research	Preparation of circular bed method is not easy. New technology may be developed for enhancing the biological efficiency of paddy straw mushroom
9.	Process of farmers participation and their reaction	Training, Method Demonstration, Farmers are happy with results

Thematic area: Income generation activity

Problem definition: Low production from paddy straw mushroom bed by using crumbled straw(8 to 10%)

Technology assessed: Refinement of improved techniques of Paddy straw mushroom cultivation using crumpled straw

Technology option	No. of trials	Yield component			Cost of production (Rs.per 100 bed)	Yield (q/ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Pinhead appearance(Days)	Yield (kg/100bed)	Biological Efficiency (%)					
FP	10	6.4	61.4	12.28	6,300/-	18420	12120	1.92	6.4
TO1		6.4	57.8	11.56	6,300/-	17340	11040	1.75	6.4
TO2		6.4	65.4	13.08	6,300/-	19620	13320	2.11	6.4

Results:

Good quality photographs of different treatments:



Bed Preparation



Visit of Farmers



Circular Method of Bed

OFT- 6 Community Science

1.	Title of On farm Trial	Assessment of Nutri-cereal Mushroom cookies for enhancing income of SHGs
2.	Problem diagnosed	Limited value addition and Opportunity to develop a nutria-cereal Mushroom cookies for enhancing income of SHGs
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP – Preparation of Cookies in refined wheat flour-250g +Butter113g+Sugar-80g+Milk 50ml +Baking Powder-1/4 tsp+ Baking Soda ½ tsp TO1 – Mushroom fortified millet cookies Sorghum flour: oyster mushroom powder(80:20) along with other ingredient such sugar (30%), ghee (bakery fats) (45%), baking powder (0.6 %), Sodium bicarbonate (0.3%), salt (0.6 %), milk powder (1.5 %) and vanilla essence (0.02%) TO2 - Mushroom Nutri-Cereal Cookies- Oyster mushroom(<i>Hypsizygous ulmarious</i>) powder in combination with 5 different millet flours (sorghum/jowar,pearl millet/bajra, corn/ maize, finger millet/ragi and little millet/sawai) Millets: Mushroom (80:20) sugar /Jaggery (30%), ghee (bakery fats) /butter (45%), baking powder (0.6 %), Sodium bicarbonate (0.3%), salt (0.6 %), milk powder (1.5 %) and vanilla essence (0.02%)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR DMR, IIHR, Bangalore
5.	Production system and thematic area	Commercial Processing Unit, Value addition
6.	Performance of the Technology with performance indicators	Self life, Sensory evaluation
7.	Final recommendation for micro level situation	It is a nutria-rich product, can combat malnutrition and can be taken up for enhancing income of SHGs and FPOs
8.	Constraints identified and feedback for research	Non-availability of adequate processing units/facilities
9.	Process of farmers participation and their reaction	Training, Method Demonstration, Farmers are happy with results

Thematic area: Income generation activity

Problem definition: Low production from paddy straw mushroom bed by using crumbled straw (8 to 10%)

Technology assessed: Refinement of improved techniques of Paddy straw mushroom cultivation using crumpled straw

Technology option	No. of trials	Yield component			Cost of production (Rs.per 100 bed)	Gross Return (Rs. Per 50 packets @ 200 g per packet)	Net return (Rs./ha)	BC ratio
		Shelf life (Days)	Sensory Evaluation	Cost of production (Rs. per 10kg)				
FP	10	6.4	61.4	12.28	6,300/-	18420	1.92	6.4
TO1		6.4	57.8	11.56	6,300/-	17340	1.75	6.4
TO2		6.4	65.4	13.08	6,300/-	19620	2.11	6.4

Technology option	No. of trials	Yield component			Cost of production (Rs.per 100 bed)	Yield (q/ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Pinhead appearance(Days)	Yield (kg/100bed)	Biological Efficiency (%)					
FP	10	6.4	61.4	12.28	6,300/-	18420	12120	1.92	6.4
TO1		6.4	57.8	11.56	6,300/-	17340	11040	1.75	6.4
TO2		6.4	65.4	13.08	6,300/-	19620	13320	2.11	6.4

Results:



Baking of the Cookies



Packing of Cookies



Trainees with the Finished Product

OFT-7 Agril Extension

1.	Title of On Farm Trial	Assessment the performances of FPOs with various level of task and commodity to enhance the net return
2.	Problem diagnosed	Distress sale of Farm produce
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed FP - <i>Farmers market their produce individually through intermediaries</i> TO1- FPO Dealing with multiple commodities with multi tasking TO2 – FPOs dealing with multiple commodity with single tasking
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	
5.	Production system and thematic area	Agricultural marketing
6.	Performance of the Technology with performance indicators	Perception of the respondents about the performance of FPO in marketing of their produce on Sofcial aspect, Technical Aspect, marketing aspect, and organizational Aspect
7.	Final recommendation for micro level situation	FPOs dealing on Multi commodity and single tasking are more profitable
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	The farmers actively participated in the trial and satisfied with the technology (Training, Method Demonstration)

Thematic area: Agricultural marketing

Problem definition: To assess the performance of FPOs a structured schedule was developed to study the opinion of the member about the role of FPO in successful marketing of the produce. Different aspects were studied in relation to the FPOs using the (3-point Linkert scale of SA- Strongly agree, PA-Partially agree, NA-Not agree) on varios aspects like 1. Social aspect 2. Technical aspect 3. Marketing Aspect 4. Organisational Aspect

Technology assessed: TO1- FPO Dealing with multiple commodities with multi tasking
TO2 – FPOs dealing with multiple commodity with single tasking

Table:

	TO1 (N=50)		TO2 (N=32)	
Aspects	Mean score	Gap (%)	Mean score	Gap (%)
Social aspect	2.11	29.6	2.07	30.9
Technical Aspect	1.96	34.6	1.78	40.9
Marketing Aspect	2.13	28.8	1.88	37.2
Organisational Aspect	1.96	34.8	1.79	40.6

Results: In TO1 the max gap was observed in Organisational aspect whereas in TO2 technical gap were maximum. In both the groups responded were satisfied about the marketing aspect of the FPOs. As TO1 is performing diversified activities emphasis should be more on strengthening of organisation whereas TO2 shoul focus more on providing technical advisory and guidance for higher profitability and in TO2 the Max Gap was observed in Technical Aspect . Further z test was calculated. The calculated z value is greater than Z table value (level of significance). Hence, the null hypothesis is rejected and there is significant difference between two FPOs regarding the perception of the respondents about performance of FPO in in various aspects.

Mean	36.7	33.7
Variance	34	12.1
Z Calculated	2.87	
Z tab	1.95	

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 achievemen t
				Proposed	Actual	SC		ST		Others		Total				
						M	F	M	F	M	F	M	F	T		
1.	Rice	Weed Management	Pre emergence application of Pretilachlor 50 EC @ 1500 ml/ha, fbPenoxulam 1.02 % + Cyhalofop butyl 5.1 % OD @ 2250 ml/ha @ 25 DAT	2	2	1	0	2	5	2	0	5	5	10		
2.	Maize	IPM	Seed treatment with (Cyantraniliprole 19.8% + Thiamethoxam 19.8% FS) @ 6 ml/kg of seed, spraying with Azadirachtin 1500 ppm @ 3ml/L of water at 21 DAS and (Thiamethoxam 12.6% + Lambda cyhalothrin 9.5% ZC) @125 ml/ha at 35 DAS	2	2	2	0	3	2	2	1	7	3	10		
3.	Finger millet	Varietal Demonstration	Line transplanting with RDF(60:30:30)	2	2	0	2	2	3	2	1	4	6	10		
4.	Rice	INM	STBFR + Basal application of ZnSO4(21% Zn) @25kg/ha + foliar application of B (20%) @1.5gm/ltr at flowering stage	2.0	2.0	0	0	8	2	0	0	8	2	10		
5.	Ragi	INM	100% RDF (60:20:20)+application of Bio-fertiliser(Azosprillum @ 2ltr/ha + PSB@2ltr/ha) incubated with 100kg FYM for 7 days	2.0	2.0	0	0	10	0	0	0	10	0	10		

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P ₂ O ₅	K ₂ O					
Rice											
Maize											
Finger millet											
Rice	Kharif 2024	RF	Red Soil	265	10.2	166	Fallow	1.7.2024	25.11.2024	820	42
Ragi	Kharif 2024	RF	Red Soil	276	10.8	146	Fallow	15.7.2024	8.11.2024	820	42

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
Mustard	Varietal demonstration	Toria var. Sushree (Seed inoculation with Azotobacter; PSB along with 50-25-25 NPK/ha along with application of 25kg ZnSo ₄ and 1 kg B per ha)	10	2.0	10.7	7.8		25968	63665	37697	2.45	21673	46410	24737	2.14
Groundnut	INM	STD + Foliar application of combined nutrient spray at 30 & 45 DAS	10	2.0	26.8	22.6	18.58	64500	170904	106404	2.65	62500	144120	81620	2.31
Total															

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

** BCR= GROSS RETURN/GROSS COST

Pulses

Frontline demonstration on pulse crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Blackgram	Nutrient Management	Application of 75% STBFR+Foliar application of WSF (18:18:18) @1% at 25 & 40 DAS	10	2.0	8.82	7.76	13.66	29200	65268	36068	2.24	27000	57424	30424	2.13
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
Ragi	ICM	Line transplanting with RDF(60:30:30)	20	4	14.61	9.43	54.9	No. of Effective tillers/hill 2.14	No. of Effective tillers/hill 1.41	26134	56190	30056	2.15	21086	36268	15182	1.72
Rice	IWM	Pre emergence application of Pretilachlor 50 EC @ 1500 ml/ha, fbPenoxulam 1.02 % + Cyhalofop butyl 5.1 % OD @ 2250 ml/ha @ 25 DAT	10	2	44.1	40.3	9.43	Number of Effective Panicles/m ² 268	Number of Effective Panicles/m ² 316	52606	96270	43663	1.83	52056	87975	35913	1.69
Maize	IPM	Seed treatment with (Cyantraniliprole 19.8% + Thiamethoxam 19.8% FS) @ 6 ml/kg of seed, spraying with Azadirachtin 1500 ppm @ 3ml/L of water at 21 DAS and (Thiamethoxam 12.6% + Lambda cyhalothrin 9.5% ZC) @125 ml/ha at 35 DAS	10	2	51.4	42.9	19.8	% Plant Damage 13.1	% Plant Damage 22.6	51400	107426	56026	2.09	53369	89661	36292	1.68
Rice	INM	STBFR + Basal application of ZnSO ₄ (21% Zn) @25kg/ha + foliar application of B (20%) @1.5gm/ltr at flowering stage	10	2.0	48.2	40.8	18.14	No of EBT/hill 11.3	No of EBT/hill 8.8	68500	110860	42360	1.62	63500	93840	30340	1.48

Ra gi	INM	100% RDF (60:20:20)+application of Bio- fertiliser(Azospirillum @ 2ltr/ha + PSB@2ltr/ha) incubated with 100kg FYM for 7 days	10	2.0	15.0	12.8	17.18	Effective tillers/m ² 26.9	Effective tillers/m ² 20.1	23000	64350	41350	2.80	21500	54912	33412	2.55
Caulif lower	INM	Application of N-120 kg., P2O5 – 80 kg., K2O – 60 kg. per ha. with Foliar application of mixture of micronutrients involving Zn, Mo, Cu, Fe and Mn @ 100ppm thrice at 15 days intervals.(Source: AICRP on Micronutrients, OUAT, (2017-18)	10	1	151.46	128.21	18.03	Plant ht.(cm) at 90DAT- 45.01 Days taken to curd initiation- 53.67 Head size (cm)-14.85 Wt. of curd(g)- 809.23	Plant ht.(cm) at 90DAT- 39.98.01 Days taken to curd initiation- 59.47 Head size (cm)-14.25 Wt. of curd(g)- 492.43	78600	226980	148380	2.88	77800	189015	111215	2.42
Point ed gourd	INM	Bio-inoculation with Azotobacter + Azospirillum+PSB(1:1:1) with NPK(40:80:40 kg/ha), Source: OUAT, Annual Report: 2014-15	10	1	182.46	153.42	18.92	Vine length (cm)- 100.38 Fruit length (cm.)-7.25 Fruit girth (cm)-9.24 Wt. of fruit(g)- 29.10	Vine length (cm)-92.41 Fruit length (cm.)-7.20 Fruit girth (cm)-9.16 Wt. of fruit(g)- 27.98	76800	218952	142152	2.85	72600	184104	111504	2.53

[illegible]

Livestock

[illegible]

* 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.)			
					Demons ration	Check		Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps																	
Mussels																	
Ornamental fishes																	
Others (pl.specify)																	
	Total																

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

** BCR= GROSS RETURN/GROSS COST

Other enterprises

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																
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
Total																

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

** BCR= GROSS RETURN/GROSS COST

Women empowerment

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Farm Women	Paddy straw Mushroom Production under threshed straw	40	650/100bed	-	Threshed straw has been utilized into a remunerative enterprise
	Mushroom Production(Oyster)		185/100bag	150/100bag	This variety have better production than P.sajorcaju
	Nutri-garden for Nutritional Security of Farm families	10	541kg/200m2 plot/year	241200m2 plot/year	Tribal farm families consuming 60% of fresh vegetables in their day to day food habit and increase the nutritional security.
	Seedling raising under low cost polytunnel	10	10(Mortality)	55(Mortality)	Getting quality seedling round the year.
	Vermicomposting	10	Composting period 80 days	Composting period (FYM) 240	Vermicompost is the best organic product, it can be use as an enterprise & farmers getting 4.17 B:C ratio
Pregnant women					
Adolescent Girl					
Other women					
Neonatal					
Infants					

Farm implements and machinery

[illegible]

* 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

[illegible]

[illegible]

Good quality photographs of FLDs



Demonstration on weed management in transplanted Rice.



Demonstration on Integrated Pest management of Fall Army Worm in Maize



Demonstration of Arjuna variety of finger millet



Demonstration on Application of micro-nutrients mixture in cauliflower.



Demonstration on Marigold variety “Bidhan marigold-2”



Demonstration of Yard long bean var. “Arka Mangala” for higher yield.

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Maize	Integrated module to combat FAW infestation in maize and have observed a satisfactory result over conventional pest management method
2	Brinjal	Integrated module to combat wilt complex in Brinjal and have observed a satisfactory result over conventional pest management method
3	Ragi	High yielding Ragi variety Arjuna gives higher yield under Line transplantation over local variety Jagulei grown under conventional method
4	Rice	Weed management in transplanted rice with Pre emergence application of Pretilachlor 50 EC @ 1500 ml/ha, fb Penoxulam 1.02 % + Cyhalofop butyl 5.1 % OD @ 2250 ml/ha @ 25 DAT showed better control of weeds with higher yield and Net return
5.	Cauliflower	Application of N-120 kg., P ₂ O ₅ – 80 kg., K ₂ O – 60 kg. per ha. with Foliar application of mixture of micronutrients involving Zn, Mo, Cu, Fe and Mn @ 100ppm thrice at 15 days intervals produced larger size curd with overall increase in yield.
6.	Pointed gourd	Bio-inoculation with Azotobacter + Azospirillum+PSB(1:1:1) with NPK(40:80:40 kg/ha) produced larger size fruits with increase in yield over control.
7.	Marigold	Marigold var. Bidhan Marigold-2, has a longer flowering duration and produced more flower yield as compared to local cultivar.
8.	Yard long bean	HYV Yard long bean var.-‘Arka Mangala’ produced longer and succulent pods and increase in yield over control.

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	13/09/24	1	50	Field day at Samina
2.	Farmers Training	16/10/24, 19/1/24, 12/02/24, 3/03/24, 9/06/24, 20/06/24, 21/06/24, 26/06/24, 03/07/24, 4/07/24, 6/07/25, 10/09/24, 13/09/24, 20/09/24, 1/10/24, 3-4/10/24, 12/11/24, 30/11/24, 2/12/24, 9/12/24,	20	576	
3.	Media coverage				
4.	Training for extension functionaries	22/02/24, 16/03/24, 7/10/24, 11/11/24,	4	100	

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	Groudnut Summer 2024	Smruti	18.6	11.5	18	33	HYV GJG-32, Line sowing, application of S & B, STBFR, IWM, Need based PP Measures	20	6.0	27.4	24	25.9	14.4	7.9	-7.1
2	Sesamum Kharif 2024	Kalika	5.75	4.06	2.37	8	Smarak Broad casting, of brown seeded sesamum variety recommended dose of fertilizer, seed treatment, Use of micronutrient and neem oil and need based plant protection	150	60.0	8.05	7.2	7.85	16.2	27.8	82.5

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio
1	HYV GJG-32, Line sowing, application of S & B, STBFR, IWM, Need based PP Measures	62500	118612	56112	1.9	65000	165164	100164	2.54
2	Smarak Broad casting, of brown seeded sesamum variety recommended dose of fertilizer, seed treatment , Use of micronutrient and neem oil and need based plant protection	22000	53285	31285	2.42	25500	72746	47246	2.85

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/household)
1	HYV GJG-32, Line sowing, application of S & B, STBFR, IWM, Need based PP Measures	15540	400	63.77	0	0	Day-to-day Expenditure	36
2	Smarak Broad casting, of brown seeded sesamum variety recommended dose of fertilizer, seed treatment, Use of micronutrient and neem oil and need based plant protection	47100	300	92.67	500	800	Day-to-day Expenditure	32

D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1	HYV GJG-32, Line sowing, application of S & B, STBFR, IWM, Need based PP	Y	High oil content of seed	Good	No	100	No

	Measures						
2	Smarak Broad casting, of brown seeded sesamum variety recommende d dose of fertilizer, seed treatment, Use of micronutrient and neem oil and need based plant protection	Y	High oil content of seed	Good	No	Yes	No

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
High pod yield & oil content,	High yielding	39.25 % higher pod yield over farmers practice	Satisfied with the demonstrated variety
High seed yield & oil content,	High yielding	36.52 % higher seed yield with oil content of 49.6% over farmers practice	Satisfied with the demonstrated variety

F. Extension activities under FLD conducted: Summer 2024 Groundnut

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Training programme 1	2.3.2024, Litibeda	30
2	Training programme 2	15.3.2024, Litibeda	30
3	Method demonstration 1	26.2.2024, Litibeda	20
4	Diagnostic field visit 1	7.3.2024, Litibeda	10
5	Diagnostic field visit 2	27.5.2024, Litibeda	12
6	Field Day 1	30.3.2024, Litibeda	50

Extension activities under FLD conducted: Kharif 2024 Sesamum

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Training programme 1	6.9.2024, Baragad	50
2	Training programme 2	10.9..2024, Filingbahal	50
3	Method demonstration 1	8.9.2024, Baragad	30
4	Diagnostic field visit 1	15.10.2024, Baragad	25
5	Diagnostic field visit 2	5.11.2024, Filingbahal	20
6	Field Day 1	12.12.2024, Baragad	100

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.)
Groundnut Summer 2024	i) Critical input	72,000	56,509/-	Nil
	ii) TA/DA/POL etc. for monitoring		3,203/-	
	iii) Extension Activities (Field day)		12,288/-	
	iv) Publication of literature			
	Total	72,000	72,000	Nil

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Sesamum Kharif 2024	i) Critical input	4,35,250	4,18,368/-	Nil
	ii) TA/DA/POL etc. for monitoring		8,131/-	
	iii) Extension Activities (Field day)		8,751/-	
	iv) Publication of literature			
	Total	4,35,250	4,35,250	Nil

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

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	4	4	8	1	3	4	3	5	8	8	12	20
Integrated farming	1	3	3	6	4	1	5	10	4	14	17	8	25
Seed production	1	2	1	3	3	1	4	12	6	18	17	8	25
Production of organic inputs	2	5	3	8	5	5	10	15	7	22	25	15	40
Planting material production	1	0	2	2	4	2	6	5	7	12	9	11	20
Vermiculture	1	3	2	5	3	0	3	10	2	12	16	4	20
Mushroom Production	2	7	5	12	6	8	14	5	16	21	18	29	47
Beekeeping	1	0	0	0	1	2	3	2	3	5	3	5	8
Poultry production	1	1	1	2	1	0	0	7	10	17	9	11	20
Composite fish culture	2	5	5	10	6	4	10	13	7	20	25	15	40
Others (Mushroom Spawn Production)	1	0	0	0	2	3	5	3	3	6	5	6	11
Total	14	30	26	56	36	29	64	85	70	155	152	124	276

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
Integrated Pest Management	3	19	4	23	11	5	16	23	13	36	53	22	75
Integrated Nutrient management	5	43	25	68	10	9	19	22	16	38	75	50	125
Production and use of organic inputs	1	4	2	6	1	2	3	2	9	11	7	13	20
Gender mainstreaming through SHGs	1	0	13	13	0	2	2	0	10	10	0	25	25
Low cost and nutrient efficient diet designing	1	0	2	2	0	3	3	0	18	18	0	23	23
Group Dynamics and farmers organization	2	1	1	2	1	4	5	12	4	16	17	13	30
Capacity building for ICT application	1	8	7	15	0	0	0	0	0	0	8	7	15
Climate resilient crop production	1	2	1	3	1	4	5	7	5	12	10	10	20
Total	15	77	55	132	24	29	53	66	75	141	170	163	333

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	5	15	17	32	13	28	41	31	46	77	59	91	150
Resource Conservation Technologies	1	2	1	3	9	7	16	4	7	11	15	15	30
Cropping Systems	1	7	7	14	0	0	0	10	6	16	17	13	30
Crop Diversification	1	11	4	15	0	0	0	12	3	15	23	7	30
Micro irrigation/irrigation	1	3	11	14	0	0	0	1	15	16	4	26	30

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	2	15	7	22	4	2	6	18	14	32	37	23	60
Integrated Crop Management	2	5	16	21	1	0	1	20	18	38	26	34	60
Integrated nutrient Management	1	11	4	15	0	0	0	12	3	15	23	7	30
Total	14	69	67	136	27	37	64	108	112	220	204	216	420
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops	9	22	36	58	38	44	82	26	59	85	86	139	225
Total (a)	9	22	36	58	38	44	82	26	59	85	86	139	225
b) Fruits													
Training and Pruning	1	1	0	1	0	3	3	5	16	21	6	19	25
Cultivation of Fruit	1	0	2	2	0	4	4	6	13	19	6	19	25
Management of young plants/orchards	1	0	1	1	0	3	3	9	12	21	9	16	25
Total (b)	3	1	3	4	0	10	10	20	41	61	21	54	75
c) Ornamental Plants													
Propagation techniques of Ornamental Plants	1	0	3	3	0	4	4	2	16	18	2	23	25
Total (c)	13	23	42	65	38	58	96	48	116	164	109	216	325
III. Soil Health and Fertility Management													
Soil fertility management	2	3	4	7	7	0	7	28	18	46	38	22	60
Integrated water management	1	0	0	0	0	1	1	10	19	29	10	20	30
Integrated Nutrient Management	4	20	33	53	9	9	18	22	27	49	51	69	120
Production and use of organic inputs	1	0	4	4	0	6	6	11	9	20	11	19	30
Management of Problematic soils	1	6	0	6	1	1	2	15	7	22	22	8	30
Micro nutrient deficiency in crops	1	0	0	0	0	0	0	9	21	30	9	21	30
Nutrient Use Efficiency	1	2	18	20	0	0	0	1	9	10	3	27	30
Balance Use of fertilizer	1	1	1	2	0	0	0	23	5	28	24	6	30
Total	12	32	60	92	17	17	34	119	115	234	168	192	360
IV. Livestock Production and Management													
Poultry Management	3	2	3	5	8	7	15	32	38	70	42	48	90
Total	3	2	3	5	8	7	15	32	38	70	42	48	90
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	0	0	0	0	3	3	0	27	27	0	30	30
Value addition	2	0	9	9	0	3	3	0	48	48	0	60	60
Women empowerment	3	0	17	17	0	20	20	0	43	43	0	90	90
Total	6	0	26	26	0	26	26	0	118	118	0	180	180
X. Capacity Building and Group Dynamics													
Others (ITK)	1	0	0	0	0	0	0	11	19	30	11	19	30
Others(FPO Management)	6	68	20	88	4	10	14	60	18	78	132	48	180
Total	7	68	20	88	4	10	14	71	37	108	143	67	210
XI. Agro forestry													
Production technologies	1	0	0	0	0	0	0	22	8	30	22	8	30
Nursery management	1	1	7	8	1	9	10	2	10	12	4	26	30
Integrated Farming Systems	1	1	2	3	1	4	5	8	14	22	10	20	30
Others (Agro Forestry Model)	1	0	0	0	0	0	0	5	25	30	5	25	30</

i. Farmers & Farm Women

[illegible]

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
WTO and IPR issues													
Others (ITK)	1	0	0	0	0	0	0	11	19	30	11	19	30
Others(FPO Management)	6	68	20	88	4	10	14	60	18	78	132	48	180
Total	7	68	20	88	4	10	14	71	37	108	143	67	210
XI. Agro forestry													
Production technologies	1	0	0	0	0	0	0	22	8	30	22	8	30
Nursery management	1	1	7	8	1	9	10	2	10	12	4	26	30
Integrated Farming Systems	1	1	2	3	1	4	5	8	14	22	10	20	30
Others	1	0	0	0	0	0	0	5	25	30	5	25	30
Total	4	2	9	11	2	13	15	37	57	94	41	79	120
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	4	4	8	1	3	4	3	5	8	8	12	20
Integrated farming	1	3	3	6	4	1	5	10	4	14	17	8	25
Seed production	1	2	1	3	3	1	4	12	6	18	17	8	25
Production of organic inputs	2	5	3	8	5	5	10	15	7	22	25	15	40
Planting material production	1	0	2	2	4	2	6	5	7	12	9	11	20
Vermiculture	1	3	2	5	3	0	3	10	2	12	16	4	20
Mushroom Production	2	7	5	12	6	8	14	5	16	21	18	29	47
Beekeeping	1	0	0	0	1	2	3	2	3	5	3	5	8
Poultry production	1	1	1	2	1	0	0	7	10	17	9	11	20
Composite fish culture	2	5	5	10	6	4	10	13	7	20	25	15	40
Others (Mushroom Spawn Production)	1	0	0	0	2	3	5	3	3	6	5	6	11
Total	14	30	26	56	36	29	64	85	70	155	152	124	276

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
Integrated Pest Management	3	19	4	23	11	5	16	23	13	36	53	22	75
Integrated Nutrient management	5	43	25	68	10	9	19	22	16	38	75	50	125
Production and use of organic inputs	1	4	2	6	1	2	3	2	9	11	7	13	20
Gender mainstreaming through SHGs	1	0	13	13	0	2	2	0	10	10	0	25	25
Women and Child care	1	0	2	2	0	3	3	0	18	18	0	23	23
Group Dynamics and farmers organization	2	1	1	2	1	4	5	12	4	16	17	13	30
Capacity building for ICT application	1	8	7	15	0	0	0	0	0	0	8	7	15
Other	1	2	1	3	1	4	5	7	5	12	10	10	20
Total	15	77	55	132	24	29	53	66	75	141	170	163	333

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Agronomy	F/FW	Recent advances in pest mgt	1	Off	23	2	25	4	3	7
Agronomy	RY	IFS for livelihood security	1	On	21	4	25	5	10	15
Agronomy	F/FW	Importance of summer ploughing for controlling weed & enrichment of soil	1	Off	8	22	30	6	12	18
Agronomy	F/FW	Nursery Management of Paddy	1	Off	14	16	30	04	18	22
Agronomy	F/FW	Nursery Management in Ragi	1	Off	0	30	30	6	16	22
Agronomy	F/FW	Agronomic package & practices for Arhar cultivation	1	Off	8	22	30	4	8	12
Agronomy	F/FW	Improved production technology for cultivation of Sesamum	1	Off	22	8	30	4	9	13
Agronomy	F/FW	Mgt of wilt complex in chilli	1	Off	24	6	30	4	3	7
Agronomy	F/FW	Weed mgt in DSR	1	Off	4	26	30	4	22	26
Agronomy	F/FW	Disease pest mgt in Rice	1	Off	12	18	30	4	16	20
Agronomy	IS	Prospects of APWPM	1	On	19	6	25	3	4	7
Agronomy	F/FW	Weed mgt in Kharif Pulse	1	Off	8	22	30	8	12	20
Agronomy	RY	Quality seed production in Rice		On	17	8	25	4	12	16
Agronomy	F/FW	Scientific Mustard cultivation	1	Off	7	23	30	24	4	28
Agronomy	F/FW	Mgt of FAW in Rabi Maize	1	Off	25	5	30	13	12	25
Agronomy	F/FW	Mgt of wilt complex in Brinjal	1	Off	21	9	30	2	3	5
Agronomy	IS	Safe use of pesticides	1	On	18	7	25	4	7	11
Agronomy	F/FW	Mgt of Rice fallow area	1	Off	9	21	30	3	24	27
Agronomy	F/FW	IPM in Rabi Vegetable	1	Off	6	24	30	2	11	13
Horticulture	F/FW	Foliar application of Micro-nutrients in Bittergourd	1	Off	4	21	25	4	16	20
Horticulture	F/FW	Integrated Nutrient Management in Yard long bean	1	Off	9	16	25	6	12	18
Horticulture	F/FW	Selection of Fruit & vegetable crops in pond based IFS.	1	Off	13	12	25	8	11	19
Horticulture	F/FW	Integrated Nutrient Management in Okra	1	Off	6	19	25	4	16	20
Horticulture	F/FW	Garlic varieties with their Characteristics	1	Off	8	17	25	6	15	21
Horticulture	F/FW	Integrated Nutrient Management in	1	Off	7	18	25	6	13	19

		Garlic								
Horticulture	F/FW	Methods of Application of Arka Microbial Consortium in Chilli	1	Off	9	16	25	7	13	20
Horticulture	F/FW	Nursery raising of Marigold	1	Off	4	21	25	3	19	22
Horticulture	F/FW	Training & Pruning in young Mango tree.	1	Off	12	13	25	9	10	19
Horticulture	F/FW	Integrated Nutrient Management in Guava	1	Off	8	17	25	7	11	18
Horticulture	F/FW	Integrated Nutrient Management in Brinjal	1	Off	5	20	25	5	18	23
Horticulture	F/FW	Pollination technique in Poined gourd	1	Off	11	14	25	8	10	18
Horticulture	F/FW	Method of application of Bio-fertilizers in poined gourd	1	Off	9	16	25	6	13	19
Horticulture	RY	Entrepreneurship development through Nursery business	2	On	6	14	20	6	12	18
Horticulture	RY	Propagation of Fruit crops using grafting & budding techniques	2	On	9	11	20	7	9	16
Horticulture	IS	Principles and Practices of Natural farming in vegetable crops	2	On	12	8	20	8	6	14
Horticulture	IS	Climate resilient vegetable crops & their package of practices	2	On	11	9	20	7	8	15
Soil Science	IS	Fertiliser mgt in horticultural crops	1	On	18	7	25	6	3	9
Soil Science	IS	Soil related constraints & their amelioration for sustainable crop production	2	On	10	15	25	4	6	10
Soil Science	IS	Recent advances in fertilizer mgt in field crops	2	On	16	9	25	8	7	15
Soil Science	FW	INM in groundnut	1	Off	18	12	30	15	12	27
Soil Science	FW	Preparation of quality compost from agricultural waste	1	Off	11	19	30	11	15	26
Soil Science	RY	Preparation of quality compost	5	On	7	13	20	6	11	17
Soil Science	FW	Micro & secondary nutrient application in Rice	1	Off	9	21	30	9	21	30
Soil Science	FW	Importance of soil testing & balanced fertilizer application in crops	1	Off	24	6	30	23	5	28
Soil Science	IS	Recent advances in soil health mgt	2	On	14	11	25	4	6	10
Soil Science	FW	Acid soil mgt	1	Off	22	8	30	16	8	24
Soil Science	RY	Preparation of inputs	5	On	18	2	20	14	1	15

		for organic & natural farming								
Soil Science	FW	Nutrient mgt in aromatic Rice	1	Off	19	11	30	8	7	15
Soil Science	FW	INM in Maize	1	Off	10	20	30	6	9	15
Soil Science	FW	Application of Nano Urea & Nano DAP in Rice	1	Off	3	27	30	1	9	10
Soil Science	FW	Nutrient mgt in crops under Rice fallow situation	1	Off	20	10	30	17	6	23
Soil Science	FW	Nutrient mgt in natural farming	1	Off	18	12	30	18	12	30
Soil Science	IS	Soil related constraints & their amelioration for sustainable crop production	2	On	17	8	25	10	3	13
Soil Science	FW	INM in solanaceous crops	1	off	4	26	30	2	8	10
Soil Science	FW	Rainwater harvesting & water conservation	1	Off	10	20	30	10	20	30
Community Science	FW	Production technology of oyster mushroom for income generation	1	Off	0	30	30	0	30	30
Community Science	FW	Value addition of tomato	1	Off	0	30	30	0	26	26
Community Science	IS	Post harvest mgt of fruits & vegetables	2	On	0	21	21	0	14	14
Community Science	FW	Value addition of Millets	1	Off	0	30	30	0	24	24
Community Science	RY	Commercial mushroom production	10	On	18	29	47	11	24	35
Community Science	FW	Production technology of Paddy straw Mushroom	1	Off	0	30	30	0	15	15
Community Science	IS	Entrepreneurship development among farmwomen	1	On	0	25	25	0	12	12
Community Science	RY	Mushroom spawn production technology	5	On	5	6	11	5	6	11
Community Science	IS	Nutritional value & health benefits of millets	1	On	0	25	25	18	3	21
Community Science	FW	Nutritional garden for nutritional security of farm families	1	Off	0	30	30	0	30	30
Community Science	RY	Scientific rearing of Honeybee	5	On	0	8	8	3	5	8
Community Science	FW	Production technology of Oyster mushroom for income generation	1	Off	0	30	30	0	28	28
Forestry	FW	Preparation of forest planting material	1	Off	22	8	30	22	8	30
Forestry	FW	Preparation of different Agro-forestry model	1	Off	10	20	30	9	18	27
Forestry	FW	Practising of Silvi-	1	Off	0	0	0	5	25	30

		Pastoral system								
Forestry	FW	Plantation techniques & post mgt of plantation crops	1	Off	1	7	8	3	19	22
Extension Education	F/FW	Formation of groups for aggregation and marketing of village produce	1	Off	21	9	30	6	5	0
Extension Education	F/FW	Operation and maintenance of small farm tools and implements	1	Off	20	10	30	7	4	0
Extension Education	F/FW	Various marketing opportunities & production planning in vegetables	1	Off	23	7	30	11	3	0
Extension Education	F/FW	Formation and management of Farmer Producer organizations	1	Off	19	11	30	1	9	0
Extension Education	F/FW	Layout, fitting & mgt of drip irrigation in Orchard	1	Off	22	8	30	21	5	0
Extension Education	F/FW	Formation of groups for aggregation and marketing of village produce	1	Off	27	3	30	18	2	0
Extension Education	F/FW	Scientific rearing of backyard poultry	1	Off	10	20	30	9	18	0
Extension Education	F/FW	Preparation of Low cost poultry feeds for higher income	1	Off	8	22	30	7	21	0
Extension Education	F/FW	ITK in Rice	1	Off	11	19	30	10	16	0
Extension Education	F/FW	Vaccination schedule for poultry	1	Off	24	6	30	24	6	0

H) Vocational training programmes for Rural Youth

a) Details of training programmes for Rural Youth

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

*training title should specify the major technology /skill transferred

b) Details of participation

[illegible]

Tailoring, stitching, embroidery, dying etc.													
Agril. Para-workers, para-vet training													
Other													
Total													
Agricultural Extension													
Capacity building and group dynamics													
Other													
Total													
Grand Total													

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/RV/EF			
1.	Vermicompost & Vermiculture Producing		December	5	RY	1	20	OMBADC
2.	Nursery raising of Vegetables	Nursery raising	July	5	RY	1	20	OMBADC
3.	Grafting & budding of Fruits and Vegetables	Propagation of Fruit plants	October	5	RY	1	20	OMBADC
4.	Nursery raising of Vegetables	Nursery raising	December	5	RY	1	20	OMBADC
5	Vermicompost Production	Production of Organic inputs	February, July, September	15	RY	3	60	OMBADC
6	Poultry Farming for meat production	Poultry	August & September	10	RY	2	40	OMBADC
7	Scientific composite fish culture	Pisciculture	August	10	RY	2	38	OMBADC

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													
Production of Inputs at site	3	11	9	20	4	3	7	18	15	33	33	27	60
Methods of protective cultivation													
Nursery raising	2	3	8	11	0	2	2	14	13	27	17	23	40
Propagation of Fruit plants	1	7	1	8	0	1	1	3	8	11	10	10	20

Total													
Post harvest technology and value addition													
Farm machinery													
Farm machinery, tools and implements													
Other													
Total													
Livestock and fisheries	2	8	3	11	3	4	7	13	9	22	24	16	40
	2	6	4	10	2	0	2	17	11	28	23	15	38
Total													
Home Science													
Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other													
Total													
Grant Total													

Good quality photographs of training activity:



3.4. A.

Extension Activities (including activities of FLD programmes)

[illegible]

Nature of Extension Activity	No. of activities
Newspaper coverage	42
Radio talks	3
TV talks	1
Popular articles	4
Extension Literature	18
Other, if any	

3.5 a. Production and supply of Technological products

[illegible][illegible]

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	Hybrid	15698	15698	111	212	171	110	171	183	453	505
Cabbage	Hybrid	12456	12456	115	121	117	211	117	183	349	515
Tomato	Hybrid	11689	11689	163	214	171	115	176	181	510	510
Brinjal	Hybrid	15321	15321	123	210	170	11	17	18	310	239
Chilli	Hybrid	14165	14165	140	21	217	117	217	189	574	327
Onion	Hybrid	13587	13587	109	218	177	115	176	183	462	516
Others	Hybrid	15144	15144	88	212	173	114	176	181	437	507
Fruits		0								0	0
Mango		211	7385	6	12	10	6	10	11	26	29
Guava	VNR Bihi	96	3360	7	7	7	12	7	11	20	30
Lime		0	0	9	12	10	7	10	10	30	30
Papaya	Red lady	314	10990	7	12	10	1	1	1	18	14
Banana	G-9	0	0	8	1	13	7	13	11	33	19
Others		18	630	6	13	10	7	10	11	27	30
Ornamental plants		235	8225	5	12	10	7	10	10	25	29
Medicinal and Aromatic		112	3920	14	2	21	11	21	18	56	32
Plantation		3245	113575	8	1	13	7	13	11	33	19
Spices		0	0	0	0	0	0	0	0	0	0
Turmeric		0	0	0	0	0	0	0	0	0	0
Tuber			0	0	0	0	0	0	0	0	0
Elephant yams		0	0	0	0	0	0	0	0	0	0
Fodder crop saplings		0	0	0	0	0	0	0	0	0	0
Forest Species		0	0	0	0	0	0	0	0	0	0
Others, pl.specify		0	0	0	0	0	0	0	0	0	0
Total		102291	246145	920	1281	1299	857	1145	1212	3364	3351

Good quality photographs of planting materials:

Production of Bio-Products

Name of product	Quantity	Value (Rs.)	No. of Farmers benefitted							
	Kg		SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers	2035	40700	20	10	50	30	50	40	120	80
Bio-pesticide										
Bio-fungicide										
Bio-agents	29	14500	5	0	10	10	20	5	35	15
Others, please specify.										
Total	2064	55200	25	10	60	40	70	45	155	95

Good quality photographs of bio-products:

Production of livestock materials

[illegible]

Grand Total											
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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 :	
Address :	
e-mail :	
Phone No. : Mobile :	

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2023						
Rabi 2021-22						
Summer/Spring 2023						
Kharif 2023						
Rabi 2022-2023						

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	Effect of seed bio priming on growth, yield & economics of Rabi Greegram (Vigna radiate L.) in rainfed condition of Balasore district of Odisha	N K Jena, P M Giri, M K Jena, K Behera, A Patra and S Sahu	Legume research (2024), 10.18805/LR-5268;1-5	
	Impact of cluster frontline demonstration on yield & economics of Toria in rainfed north eastern coastal plain zone of Odisha	N K Jena, K Behera, P M Giri, M K Jena, A Patra and S Sahu	Asian journal of Soil Science and Plant nutrition(2024), Vol. 10(4);347-354	
Seminar/conference/ symposia papers	Effect of different organic input combinations on growth & yield of finger millets in North Western plateau zone of Odisha	M K Jena, L Pradhan, D Mondal, A K Mohanty and D J Bage	Extended summaries (2024);66-67	International conference on building small holder climate resilience for achieving sustainable food systems 17-19 th September 2024
	Effect of micro-nutrients on yield of 54ittergourd in North Western plateau zone of Odisha	A K Mohanty, L Pradhan, M K Jena and D J Bage	Extended summaries (2024);67-68	
Books				
Bulletins				
News letter	CHASBAS	KVK, Sundargarh	500	To farmers
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature				
Technical reports	Annual report/MPR/QPR, etc			
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.	Training programme on natural farming for KVK Scientists, LNFIs & FMTs	Natural Farming	Dr. M K Jena, Scientist	4-7 th March 2025 4 days	SAMBHAB, Nayagarh & MANAGE, Hyderabad
2	Training programme on	Natural Farming	Dr. D Mondal, SMS	10-13 th	SAMBHAB,

	natural farming for KVK Scientists, LNFIs & FMTs			March 2025 4 days	Nayagarh & MANAGE, Hyderabad
2.	Refreshers training	Soil care under natural farming	Dr M K Jena, Scientist	10-12 March 2025 2 days	Dept. of soil science & Agricultural Chemistry, CA, BBSR & DEE, OUAT
3.	International Conference	Building small holder climate resilience for achieving sustainable food system	Dr M K Jena and Mr. Ashis Ku. Mohanty	17-19 th September 2024	OUAT, Bhubaneswar & Ministry of Foreign Affairs, Norway/The Norwegian Embassy, New Delhi & NIBIO
4.	Refreshers training	natural farming	Dr D Mondal, SMS	20-21 st March 2025 2 days	Dept. of Agronomy BBSR & DEE, OUAT
5.	National Seminar	Resource mgt. for climate resilient sustainable food production systems	Dr. L Pradhan & Dr. D Mondal Sr. Scientist & Head, SMS	6-7 th March 2025	OUAT, Bhubaneswar
6.	One day training to PA(Computers)	App development	Mr. A K Mishra, PA(Computer)	27.3.2025 One Day	DEE, OUAT, Bhubaneswar
7.	Efficient Administrative & Financial Mgt		Mr. Kamal Lochan Mohanta	15.6.24-5.7.24	ICAR-NIASM, Pune, Maharashtra
8	Hands on training on utilization of credit limits in PFMS (Oilseeds & Pulses)	PFMS Account Management	Mr. Kamal Lochan Mohanta	6.3.2025	ICAR-ATARI, Zone -V, KOLKATA
9	Refresher Training	Entrepreneurship development in Agril. & Allied Sectors	Mr. David James Bage, Scientist(Agril Extn)	27-28 th March 2024	DEE, OUAT, BBSR
10	FPO Conclave	Workshop on FPOs	Mr. David James Bage, Scientist(Agril Extn)	2 nd September 2024	OUAT, Bhubaneswar

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

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

Good quality photographs (2-3)	
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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
1	Rice	Application of Bitter Gourd leaf Extract	to combat the effect of YSB and Rice Hispa
2	Pumpkin	Dusting of Ash	To prevent powdery mildew disease

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

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

b. Give details of organic farming practiced by the farmer

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)
1	Rice	930	Organic rice	262	Yes (local mandi)
2	Ragi	150	Organic ragi	100	Yes (local mandi)
3	Mustard	40	Organic mustard	100	Yes (local mandi)
4	Vegetables	130	Organic vegetables	100	Yes (local mandi)

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

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
1.	Group interactive method, power point method, method demonstration, Extension literature and training manual	Training, FLD, OFT, Extension activities

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

Sl. No	Name of the Equipment	Qty.
1.	Mridaparikshak	2
2.	Smart Soil Moisture Sensors	1
3.	Automatic Nitrogen Analyser	1
4.	Electronic Precision Balance	1
5.	Double beam UV -VIS digital Spectrophotometer	1
6.	Refrigerated Centrifuge	1
7.	Physical Balance	1
8.	Distilled Water Unit	1
9.	Flame Photometer	1
10.	pH Meter - Micro Controller based	1
11.	Conductivity Meter	1
12.	Rotary Shaker	1
13.	(Platform Type)	1
14.	Mechanical Stirrer	1

15.	Bouyoucus Hydrometer	1
16.	Hot Air Oven	1
17.	top pan Balance	3
18.	Thermometer	1
19.	Water Quality analyser	1
20.	Vortex	1
21.	Magnetic Stirrer	1

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (in Rs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
0	546	546	724	34	-

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	105	2	Ms. Kunti Pradhan, Chairman Zilla Parishad Smt. Tanaya Mishra, Chairman, Municipality Sundargarh	50	50

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
Training programme	5	150	Mushroom cultivation and IWM
Method demonstration	3	45	Mushroom cultivation
Awareness campaign	3	356	Rice

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

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
24.2.2025	Sj. Jual Oram, Hon'ble Minister, GoI	PM Kisan Samman Samaroh Program
28.3.2025	Ms. Kunti Pradhan, President Zilla Parishad	PPV& FRA Programme
28.3.2025	Mr. Rabi Narayan Sahu, ADM, Sundargarh	PPV &FRA Programme

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)
Popularisation of High yielding Ragi variety Arjuna	380	81	3800	5690
Popularisation of Weed management in transplanted Rice	67	82	3200	5500
Popularisation of Integrated Pest management of Fall Army Worm in Maize	84	76	1800	3100
Popularisation of Zn & B application in transplanted rice	146	86	2300	3900
Popularization of short duration NRRI developed rice variety Sahbhagidhan, duration 110days yield potential 35q/ha	350	95	2600`	4100
Popularisation of brown manuring in rice increases yield by 12%	112	72	2800	3600
Popularisation of INM in Tomato	89	78	1700	2900
Popularisation of INM in Brinjal	110	78	3200	730
Popularisation of Bunchfeeding in banana for yield enhance	97	83	2500	4100
Popularisation of INM in Okra	130	84	2500	4800
Popularisation of IDM practices for Wilt complex mgt	109	82	1950	2900
Popularisation of herbicide Bispyribac sodium increases yield by 14%	68	85	3500	5600
Popularisation of herbicide oxyflurofen in groundnut	120	95	8000	12000

increases the yield by 20%				
Popularisation of Ragi variety Bhairavi among tribal farmers of the district having a potential yield of 25q and 110days duration.	450	65	1500	3200
Popularisation of herbicide Imazethapyr (10%SL) in pulses (Blackgram, greengram, Arhar) increased yield upto 20%.	120	95	8000	12000
Popularisation of herbicide LONDAX power in upland paddy increases yield upto 16%	120	95	8000	12000
Popularisation of Vanraja and Rainbow Rooster breed of coloured poultry for backyard rearing for income generation. Body growth upto 3.5 kg within 4 months.	180	28	2600	3800
Popularisation of small vermicomposting units 3X3 m units for Tribal farmers to support their backyard nutritional garden and recycling of household waste.	68	71	1800	2500
Popularisation of paddy straw and oyster mushroom among tribal farmers from threshed straw for additional support and increased nutrition, about 800 – 1200 gms of mushroom is obtained from one unit	208	40	300	2000
Popularisation of wheat bran as a substitute for paddy straw mushroom cultivation				
Popularisation of off season cauliflower cultivation for higher profit upto 20%	52	90	18000	32000
Popularisation of Kharif onion variety Bhima super potential yield 300 q/ha increases profit upto 15%	120	90	28000	50000
Popularisation of Use of fruit fly trap + spraying of Deltamethrin @ 2ml/lt before ripening of mango for fruit fly management in mango	48	80	15000	22000
Popularisation of Spraying of Spiromesifen @ 2ml/lt during attack of sucking pest for leaf curl virus management in Chilli	24	80	5000	9000
Popularisation of Oyster	260	91	1500	2000

Mushroom production Variety <i>Hypsizygus ulmarius</i>)				
Introduction of Milky mushroom (<i>calocybe indica</i>)	10	50	800	2000

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
Technology	Horizontal spread
High yielding Ragi variety Arjuna	>10000ha, 900 villages
Weed management in transplanted Rice	>4000ha, 300 villages
Integrated Pest management of Fall Army Worm in Maize	>2000ha, 120 villages
Zn & B application in transplanted rice	>24000ha, 2500 villages
OUAT developed medium long rice variety Pratikshaya,	>70,000ha, 487 villages
short duration NRRI developed rice variety Sahbhagidhan,	>30,000ha, 317 villages
short duration upland paddy variety <i>Khandagiri</i>	> 60,000, 542 villages
Brown manuring in rice	>15,000 ha, 125 villages
Application of herbicide Bispyribac sodium increases yield by 14%	>4,500 ha , 130 villages
INM in Tomato	>180 ha, 10 villages
INM in Brinjal	>140 ha, 10 villages
Bunchfeeding in banana for yield enhance	>75 ha, 10 villages
INM in Okra	>70 ha, 10 villages
Application of herbicide oxyfluofen in groundnut.	>1,500 ha, 200 villages
Ragi variety Bhairavi	>1200 ha, 80 villages
Line sowing in maize cultivation	>200 ha, 56 villages
Application of herbicide Imazethapyr (10%SL) in pulses (Blackgram, greengram, Arhar)	>4000ha, 500 villages
Application of herbicide LONDAX power in upland paddy	>100, 12 villages
Vanraja and Rainbow Rooster breed of coloured poultry for backyard rearing f	>120 villages
Backyard smallvermicomposting units 3X3 m units for Tribal farmers to support their backyard nutritional garden and recycling of household waste.	>120 units, 51 villages
Paddy straw and oyster mushroom	>100 units, 250 villages
IPM -02-03 variety of Moong	>80ha, 10 villages
Blackgram variety PU-31	> 950ha, 500 villages
Use of wheat bran as a substitute for paddy straw mushroom cultivation	>100 units, 400 villages
Popularisation of off season cauliflower cultivation for higher profit upto 20%	>180ha, 90 villages
Popularisation of Kharif onion variety Bhima super potential yield 300 q/ha increases profit upto 15%	>30ha, 18 villages
Popularisation of Use of fruit fly trap + spraying of Deltamethrin @ 2ml/lit before ripening of mango for fruit fly management in mango	>80ha, 10 villages

Popularisation of Spraying of Spiromesifen @ 2ml/lt during attack of sucking pest for leaf curl virus management in Chilli

>80ha, 10 villages

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
1	Mushroom production in threshed straw	Getting remunerative enterprise from agriculture bio-product	Utilization of threshed straw for income generation activity.
2	Popularization of Ragi variety Arjuna	Higher yield and income	Replacing the existing varieties due to high yield
3	Popularization of cold tolerance Oyster mushroom variety <i>H. ulmarius</i>	Higher yield in low temperature	Better performance in lower temperature less than 20°C
4	Weed management in transplanted Rice through application of cyhalofop butyl + penoxulam	Higher suppression and control of all categories of weed, with less investment than labour resulting in higher yield and profit	There was about 78% weed control efficiency with labour savings of about 10 Mandays
5	Integrated Pest management of Fall Army Worm in Maize through application of neem oil + Trichocard + need based application of emamectin benzoate	Higher control of FAW when applied through integrated approach resulting in higher yield and profit	Better efficiency through IPM with low to nil infestation of FAW infestation
6	Zn & B application in transplanted rice @ ZnSO ₄ @ 25 kg/ha + application of B 20 % @ 1.5 g/lt at flowering stage	Higher yield and income	Correction of micronutrient deficiency
7	INM in Tomato through seedling treatment with biofertilizer + foliar application of N:P:K 19:19:19 @ 0.5 % at 30 DAT + Foliar application of micronutrient mixture (Borax 0.2 % and ZnSO ₄ 0.5 % at 45 DAT)	Higher fruit yield, fruit weight and number of fruits/plant	Reduction of chemical fertilizer dose
8	INM in Brinjal through bio inoculation of	Higher fruit yield, fruit	Reduction of chemical

	azotobactor and Azospirillum each @ 4 kg/ha with 200 kg pre limed FYM incubated for seven days	weight and number of fruits/plant	fertilizer dose
9	Bunch feeding in banana through application of 15 g (7.5 g urea and 7.5 g of Sulphate of potas) dissolved in 100 ml water in 500 g of fresh cow dung and applying the slurry to the denavelled stocked and soon after fruit set	Higher bunch weight and finger size and pulp to pill ratio	Bunch feeding helps in better utilization and efficiency of nutrients

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
Dept of Agriculture /ATMA	Technology dissemination ,Capacity Building, Technology Sharing
Dept of Horticulture	Technology dissemination ,Capacity Building, Technology Sharing
Dept of Veterinary science	Veterinary Services, Training of farmers/ paravets, Backyard poultry farming, Animal health camp
Dept of Fisheries	Technical information, procurement of fingerlings, Linking beneficiaries of KVK
Odisha livelihood Misson	Backyard poultry farming, Small ruminant production
NABARD	Formation of FPOs
NHM	Linking beneficiaries of KVK
ICAR-NRRI/CIFA/CHES/CTCRI/CIWA	Technology dissemination ,Capacity Building, Technology Sharing
Forest Department	Technology dissemination ,Capacity Building, Technology Sharing
PD Watershed	Technology dissemination ,Capacity Building, Technology Sharing

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.)
Farmers Hostel	Construction of New Farmers Hostel at KVK	July 2024	ICAR	90 lakh

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq. mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1	Poly house for Nursery raising	2011		Hybrid vegetable seedlings	seedlings	1,16,832	32,400	1,75,248	
2	Shade net house	2011		Quality saplings of fruit plants and Forestry plants	Saplings	1862	37,240	93,100	
3	Mushroom spawn production	2013		Mushroom Spawn	Mushroom Spawn	5500 Nos.	44,000	1,10,000	
4	Mushroom production	2018		Mushroom	Paddy straw & Oyster	80 kg	6200	13600	
5	Vermicompost	2019			Vermicompost	2000 kg	10000	30000	
				<i>E. foetida</i>	Vermin	8 kg	2000	4000	
6	Poultry rearing unit	2021		Colour birds, Kadaknath		50	5000		Present in demo unit
7	Guava orchard	2019, 2021		VNR Bihi, Allahabad safeda, L-49, Arka Mrudula, Arka Amulya	Fruits. Gottee	240 1000	8000 5000	9600	Present in Shadenet house
8	Mango orchard	2019, 2021		Amralli, Dasher, Langra, Chausa,	Fruits	320	4200	6400	

				Arka Neelachal Keshari					
9	Fish pond	2022	3000	Jayanti Rohu,Catla, Mrigal	Fish	1.5q	10000	22500	

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	22.7.2024	3.12.2024	1.8	Pratikshya	FS	48.2	102575	183160	Cash in hand

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	2500	15000	50000	Gate sale to Public
2.	Vermi Unit	15	3500	7500	Gate sale to Public

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

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
February 2024	20	5 days (15/2/24 – 19/2/24)	
July 2024	20	5 days (8/7/24 – 12/7/24)	
July 2024	20	5 days (15/7/24 – 19/7/24)	
August 2024	20	5 days(5/8/24 – 9/8/24)	
August 2024	20	6 days(12/8/24 – 17/8/24)	
August 2024	20	5 days(20/8/24 – 24/8/24)	
September 2024	20	5 days(11/9/24 – 15/9/24)	
September 2024	20	5 days(17/9/24 – 21/9/24)	
September 2024	20	5 days(23/9/24 – 27/9/24)	
October 2024	20	5 days(1/10/24 – 5/10/24)	
October 2024	20	5 days(21/10/24 – 25/10/24)	
November 2024	20	5 days(18/11/24 – 22/11/24)	
December 2024	20	5 days(9/12/24 – 13/12/24)	
December 2024	20	5 days(16/12/24 – 20/12/24)	
Total :	280	70 days	

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed:

No. of staff quarters:

Date of completion:

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI
January to December 2024	1	1				

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
KVK	State Bank of India	Sundargarh	39454551215
Revolving Fund	State Bank of India	Sundargarh	30773698636
CFLD (Oilseeds)	State Bank of India	Sundargarh	41561150338
CFLD (Pulses)	State Bank of India	Sundargarh	42297739834
CBSAE Dev. Project	State Bank of India	Sundargarh	41274069157
ATMA	State Bank of India	Sundargarh	10969167181

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	
Groundnut (Summer 2024)		72,000		72,000	Nil
Sesamum	4,35,250		4,35,250		Nil

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st 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	1,50,000	1,50,000	1,50,000
3	HRD	30,000	30,000	30,000
4	Contingencies			
A	Stationary , telephone, postage & other exp on office running	3,40,000	3,40,000	3,40,000
B	POLs, repair of vehicles tractor and equipment			
C	Meals/refreshment for residential and non residential trainings			
D	Training material(need based materials and equipments for conducting the training)	1,80,000	1,80,000	1,80,000
E	Frontline Demonstrations	90,000	90,000	90,000
F	On farm Testing(on need based, location specific & newly generated information in the major production systems of the area)	90,000	90,000	90,000
G	TSP	15,00,000	15,00,000	15,00,000
J	Swachhta Expenditure	32,000	32,000	32,000
TOTAL (A)		23,32,000	23,32,000	23,32,000
B. Non-Recurring Contingencies				
1	Works (Construction of New Farmers Hostel-2 nd and Final Installment)	60,00,000	60,00,000	60,00,000
2	Library	10,000	10,000	10,000
TOTAL (B)		60,10,000	60,10,000	60,10,000
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		83,42,000	83,42,000	83,42,000

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2020-21		1185442	1065282	334174.5
2021-22	334174.50	1358074	1457903.5	234345
2022-23	234344.50	637123	674722.5	196745.5
2023-24	197080.50	637123	674722.5	212998.50

2024-25	212998.50	902148	571179	
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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
Technology dissemination ,Capacity Building, Technology Sharing					Dept of Agriculture /ATMA
Technology dissemination ,Capacity Building, Technology Sharing			Dept of Horticulture		
Veterinary Services, Training of farmers/ paravets, Backyard poultry farming, Animal health camp			Dept of Veterinary science		
Technical information, procurement of fingerlings, Linking beneficiaries of KVK			Dept of Fisheries		
Backyard poultry farming, Small ruminant production			Odisha livelihood Misson		
Formation of FPOs			NABARD		
Linking beneficiaries of KVK			NHM		
Technology dissemination ,Capacity Building, Technology Sharing			Forest Department		
Technology dissemination ,Capacity Building, Technology Sharing			PD Watershed		

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/ SMSPortal)

Type of message	No. of messages	No. of farmers covered
Crop		
Livestock		
Fishery		
Weather		
Marketing		
Awareness		
Training information		
Other		
Total		

9.4. KVK Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	50560
2.	No. of farmers registered in the portal	8506
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

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	5	3000
2. Basic maintenance	5	5000
3. Sanitation and SBM	10	10000
4. Cleaning and beautification of surrounding areas	6	
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste		
6. Used water for agriculture/ horticulture application	8	4000
7. Swachhta Awareness at local level		
8. Swachhta Workshops	1	300
9. Swachhta Pledge	2	500
10. Display and Banner	1	3500
11. Foster healthy competition	2	
12. Involvement of print and electronic media	3	4000
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	14	
14. No of Staff members involved in the activities		
15. No of VIP/VVIPs involved in the activities	13	
16. Any other specific activity (in details)	70	30000
Total		

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 Door Darsan (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/ SwachhtaPakhwadaprogramme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Awareness programme	5	165		
2	Cleaning of village school	1	78	1	Narottam Lakra
3	Cleaning of village temple	2	58		
4	Awareness programme at Anganwadi kendra	1	20	1	ICDS Supervisor Mrs. Subhadra Naik
5	Recycling of farm waste for vermicomposting	2	45	1	Sarpanch of village Ramchandra Patel

Please provide good quality photographs:

9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Organising Mahila Kisan Diwas	2	87	2	

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.	Hirod Patel	At/PO-Ratanpur, Block-Tangarpalli Mob.7750930801	IFS
2.	Amulya Pratap Lakra	At-Telighana, PO-Kutra Block-Kutra Mob.8908945866	Natural Farming

3.	Prafulla Patel	At-Samina, PO-Kirei Block-Sadar Mob.9437799799	IFS & Seed Production
4.	Nirupama Pruseth	At/PO- Phuldhudi, Block-Tangarpali Mob.9692993212	Mushroom & Vermicompost
5.	Puspanjali Das	At/PO-Bileigarh, Block-Tangarpali Mob.9692765077	Mushroom & Nursery raising
6.	Helen Pradhan	At-Mahuljore PO-Kinjirima Block-Sadar Mob.8018689760	Intensive Vegetable cultivation

9.13. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Training hall & Hostel users fee	24,500	CBSAE project under OMBADC
2.	Training hall & Hostel users fee	36,700	NBB,ICAR
3.			

9.14. Resource Generation:

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1	Capacity building Skilling, Agro-enterprises & Entrepreneurship development project, OMBADC	Entrepreneurship development	OMBADC		Mini Agro-enterprise model
2	Capacity building Skilling, Agro-enterprises & Entrepreneurship development project, OMBADC	Entrepreneurship development	OMBADC		ICT Centre
3	Capacity building Skilling, Agro-enterprises & Entrepreneurship development project, OMBADC	Entrepreneurship development	OMBADC		Entrepreneurship Facilitation centre-cum-Conference hall
4	Capacity building	Entrepreneurship development	OMBADC		Farm Machinery Hub(Purchase of

	5 Skilling, Agro-enterprises & Entrepreneurship development project, OMBADC				Machinery & Implements)
5	Development of Spirulina production unit	To produce Spirulina powder and supply to Spirulina Chikki unit.	DMF, Sundargarh		Production and Processing unit/Lab facility

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 2023 (Jan. to Dec., 2024)

Name of KVK							
Sl.No .	Item/Activity		Units	Targets/Achievements		No. of Beneficiaries	
				Annual Targets	Achievement s	Annua l Target s	Achievement s
1	Trainings (Capacity building/ Skill Development etc.)		No.				
	1.1	1-3 days	No.	106	97	2840	2602
	1.2	4-10 days	No.				
	1.3	2-4 weeks	No.	1	20	20	20
	1.4	More than 4 weeks	No.				
2	On Farm Trials (OFTs)		No.	11	11	122	122
3	Front Line Demonstrations (FLDs) and other demonstrations		No.	26	26	400	400
4	Awareness camps, exposure visits etc.		No.	-	32	-	3785
5	Input Distribution						
	5.1	Seeds (Field Crops)	Tonnes	0.9	0.9	34	34
	5.2	Seeds (High Value Crops, spices etc.)	kg				
	5.3	Seeds (Root & Tuber Crops)	tonnes				
	5.4	Nursery plants	No.	1,00,000	1,16,832	500	962
	5.5	Cutting , slips, suckers, etc	No.	2000	2000	10	10
	5.6	Mushroom Spawns/ Bio-Fertilizers (in Packets)	Packets	5000	5000	50	120
	5.7	Honey Bee Colonies	No.	10	10	10	10
	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.	50	50	50	50
	5.13	Medium Equipment's/ machinery (upto Rs 25000)	No.	50	50	50	50
	5.14	Large Equipment's / machinery (> Rs. 25000)	No.				
	5.15	Infrastructure / Civil Works/	No.				

	Ponds etc					
5.16	Setting up plant nursery/ seed farm/ hatchery	No.				
5.17	Land development/ Reclamation / Conservation	hectares				
5.18	Fertilizers (NPK)/ Secondary fertilizers	tonnes	0.045	0.045	27	27
5.19	Micro nutrients	tonnes	0.065	0.065	40	40
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	38	38	30	30
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.	400	405	600	620
6.5	Promotion of agri-entrepreneurship	No.	10	10	10	10
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.	7	7	3500	3200
8	Employment generation for livelihood	(Man-months)	20	20	20	20
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): 15.00

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.				
	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 fertilizers	tonnes				
	5.19	Micro nutrients	tonnes				
	5.2	FYM/ Vermicompost	tonnes				
	5.21	Soil amendements (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 SCSP in 2024-25 (Rs. In lakh):

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

Natural Resource Management

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

Crop Management

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

Livestock and fisheries

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

Institutional interventions

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

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa

Technology (ies) popularized/ scaled up during the year

- a)
- b)
- c)

14. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

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

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

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)
24.2.2025	Sj. Jual Oram	Tribal Affairs	PM Kisan Programme (Kisan Samman Samaroh)

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		
Mushroom Grower	Dr. Laxmipriya Pradhan	24/3/25	27/3/25	8	12	2	5	1	3	Y	4,19,500

(Please provide good quality photographs)

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

Thematic area of training	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	

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)
