PROFORMA FOR ANNUAL REPORT2022-23 (April 2022- March 2023)

B) GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
At/Po – Kirei, Sundargarh	9438041580		kvksundargarh1.ouat@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
OUAT, Bhubaneswar			

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

Name	Telephone / Contact		
Dr. LaxmipriyaPradhan	Residence – 9438041580	Mobile – 9438041580	Email kvksundargarh1.ouat@gmail.com

1.4. Year of sanction of KVK: - 12th March 2004

1.5. Staff Position (**as on 31st December, 2022**)

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	79,800-2,11,500 89800	17/5/18	Temporary	Others
2	Scientist	Mr. David James Bage	Scientist	Agriculture. Extension	89800	8/8/2012	Temporary	ST
3	Scientist	Dr. Manoj Kumar Jena	Scientist	Soil Science	89800	08/06/2021	Temporary	Others
5	Subject Matter Specialist	Dr. DibyenduMondal	Subject Matter Specialist	Agronomy	61300	09/06/2021	Temporary	SC
6	**Scientist(Ag. Engg)**	**Mr. Tarak Ch. Panda**	**Scientist**	**Agril. Engineering**	**19050**	**29/7/2022**	**Temporary**	**Other**
7	**Subject Matter Specialist**	**Vacant**					**Temporary**	
8	Programme Assistant	MuddadaDibyanath	Programme Assistant	Fishery	38700	10/8/2018	Temporary	Others
9	Computer Programmer	Arun Kumar Mishra	PA(Computer)		60400	1/7/2011	Temporary	Others
10	**Farm Manager**	**Vacant**					**Temporary**	
11	**Accountant / Superintendent**	**Vacant**					**Temporary**	
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		23800	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:

B) 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.	AdministrativeBuilding	✓							
2.	Farmers Hostel					Yes	2400	Yes	RKVY
	Farmers Hostel (New)	✓							ICAR
3.	Staff Quarters (6)					Yes	6600	Yes	ICAR
4.	Piggery unit								
5	Fencing					Yes	2000	Yes	ICAR
6	RWHS					Yes	3000	Yes	ICAR
7	Threshing floor					Yes	185.8	Yes	ICAR
8	Farm Godown (New)					Not started	60	NO	ICAR
9.	Dairy unit								
10.	Poultry unit (New)					Yes	25	Yes	ICAR
11	Poultry unit (Brooding unit)					Yes	25	Yes	RKVY
11.	Goatery unit					Yes	300	Yes	RKVY
12.	Mushroom Lab (Equipments only)					Yes	35	Yes	ICAR
13.	Mushroom production unit					Yes	50	Yes	RKVY
14.	Shade house					Yes	80	Yes	ICAR
15.	Soil test Lab (Equipments)					Yes	35	Yes	ICAR

16	Others,Please Specify								

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Maruti Suzuki Dzire	2022	7,98,451	12192	Running Condition
Hero Honda Motorcycle	2005	50000	-	Not in usable condition
Tractor (make – Massey Fergusson	2023			Running Condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Soil Lab equipments & instruments	2015-16	12,00,000	working	ICAR
Solar Dryer	2019-20	20,000	working	ICAR
b. Farm machinery				
Power Tiller	2015-16	2,87,000	working	ICAR
Tractor	2022-23	7,50,000	Yet to Receive	ICAR
c. AV Aids				
Computer Desktop	2015-16	50,000	working	ICAR
Conference –cum-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
Prunning Saw	2017/18	14,000	Running	ICAR
2 hp pump	2014-15	38,000	Running	RKVY
Power Weeder	2016-17	86,000	Running	ICAR
Brush Cutter	2011-12	45,000	Running	ICAR
Rotavator	2015-16	2,40,000	Working	ICAR
Lawn mower	2021-22	33999	working	ICAR
Chaff Cutter	2021-22	25000	working	ICAR

1.8. Details of SAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	16.12.2022	35	• Seed production of local varieties of vegetables such as Black brinjal, chilli and bottle gourd etc. should be carried out in Nutri-gardens by SHGs with awareness and training programme	➢ Local variety Bamra Chilli has been collected & demonstrated at KVK campus & supplied to RRTTS, Keonjhar for trial ➢ Local brinjal& chilli are being cultivated by WSHG in the KVK developed nutri-gardens in the villages	
			• More no. of training programmes for farmers and farm women should be conducted	➢ 59 nos of training for F/FW, 13 nos for Rural Youth(3-5 days), 9 nos for Inservice personnel(2 days), 2nos training under JalshaktiAbhiyan in total involving 2340 participants.	
			• Impact of nutri-garden on various human health parameters should also be assessed in addition to yield and consumption pattern.	➢ Consumption of vegetables pattern has been taken as parameter	
			• Emphasis should be given to indentify farmers based on bee colony and honey production separately	➢ Till now 230 nos producing honey and 4 to 5 farmers are separating the colonies from Bee box & supplying to others	
			• Short duration Arhar varieties (within 120 days) should be assessed under Sundargarh condition during Kharif	➢ .PRG 176 & BRG 5 varieties has been assessed by KVK, Sundargarh-1 during 2019-20 and 2020-21. Now PRG 176 taken as promising variety in our district.	
			• Performance of chickpea should be studied in low land and heavy soils under residual moisture during rabi season	➢ Chickpea has been demonstrated by Agril. Dept under Targeting Rice Fallow Areas and is being assessed by KVK Scientists	
			• Front Line Demonstration should be conducted on spine gourd and purple coloured sweet potato varieties	➢ Spine gourd has been demonstrated in KVK campus	
			• Skill development training on nursery management should be imparted to the beneficiaries of watershed/WADI project	➢ .Training has been imparted during exposure visit of 7 group watershed area beneficiaries to KVK campus	
			• Awareness on FPO formation and specific training need of FPO should be addressed by KVK	➢ Training on has been given on Online marketing avenues in sale of agriculture produce involving FPO members(1 nos), Integrated nutrition mgt for increase in production of paddy & vegetables (2nos), Off-season cultivation of vegetables for increased income(2nos). ➢ Training on establishment of low cost poly tunnel nursery	

				for nursery raising of vegetables & nutritional garden for year round production of vegetables.(3 nos)	
			• Indigenous/local varieties of vegetables, millet should be demonstrated in KVK campus	➢ Seven varieties Red foxtail millet, Ragi, Little millet, Barnyard millet, White Jowar, Yellow Jowar, Pearl millet has been demonstrated in a crop cafeteria at KVK.	
			• Organic and biological methods of pest control should be promoted in millet cultivation		
			• A small Spiriluna culture unit may be established at KVK with financial support of DMF and demonstration, training by CFTRI	➢ Training has been taken by Scientist and Senior Scientist & Head from CFTRI, Mysore and spiriluna culture maintain by KVK and Cultivation unit construction is going on through DMF.	
			• KVK should suggest suitable IFS models to different categories of beneficiaries of farm pond scheme and provide training on IFS	➢ KVK given suggestion for development of suitable IFS model in farmers field through farmers footfall, Training as well as field visit ➢ KVK promoting 8-9 nos of IFS model at Kirei, Gurbasa, Samina, Ratanpur, Phuldhudi, Amasaranga villages ➢ KVK have a Horticulture based a farming system(Fruits + paddy +Vermicompost+ Mushroom+ Poultry +vegetables+ Poultry)	
			• KVK may promote Button mushroom in the district through training and exposure visit with the financial support of ATMA	➢ KVK has conducted training programme for rural youths & scientists of Odisha on button mushroom cultivation. 2 production units using 30MT Cold room has been developed in Sundargarh district	
			• Beneficiaries of Agricultural production clusters (APCs) may be trained on vermicompost production	➢ Selected the farmers from APC to trained on Vermicompost	
			• Emphasis should be given to provide soil health cards to farmers	➢ Two awareness programme conducted on Soil Health camp involving 300 participants ➢ Collecting sample from adopted villages ➢ 20 soil health card distributed to farmers on World soil day	
			• KVK should work on various activities related to drought prone areas	➢ KVK worked on (IRRI) drought tolerance varieties like DRR- 44, DRR-42 &SahabhagiDhan. ➢ KVK has already conducted OFT & FLD on drought tolerant variety SwarnaShreya during 2019-20, 2020-2021	

				& 2021-22. Now included under seed chain. ➢ IIRI Trials	
			• OFT should be conducted on application of ICT on Agriculture and allied fields	➢ Demonstration has been taken on effectiveness of short technology videos on technology adoption for Integrated weed management and Nutrient management in Rice	

** 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 (2022)

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	

Name of Crop	**Area(ha)**	**Productivity(q/ha)**	**Name of Crop**	**Productivity(q/ha)**
Rice	198208**8**	26.65	Banana	237.4
Ragi	4100	3.67	Guava	88.7
Maize	8104	25.79	Mango	63.1
Greengram	6313	3.88	Papaya	146.5
Blackgram	16809	4.54	Okra	109.0
Arhar	6980	9.14	Onion	127.7
Sesamum	22714	3.99	Pointed Gourd	144.7
Mustard	12500	4.35	Potato	132.4
Groundnut	3622	16.55	Tomato	144.7

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 (2022)

Sl. No.	Name of Taluk/ Panchayat	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1	Kinjirma	Sadar	Birjaberna	Rice-groundnut	Low yield of rice, ragi oilseeds (groundnut, mustard), Pulses (blackgram, greengram), vegetables (Tomato, brinjal, okra,) Tubers (onion, Potato) ,Chilli,High gap in technology adoption	INM, IPM, Varietal substitution, crop improvement, organic farming, nutritional security, NTFP, value addition, income generation activities
2	Lahandabud	Sadar	Lahandabud	Rice-	Low yield of rice, ragi oilseeds (sesamum, mustard), Pulses (Horsegram, arhar, greengram), vegetables (Tomato, brinjal, okra,) Tubers (onion, potato) High gap in technology adoption Deficiency of micronutrients (Vegetable)	INM, IPM, Varietal substitution, crop improvement, organic farming, nutritional security, NTFP, value addition, income generation activities
3	Barangakachhar	Bargaon	Barangakachhar, talimunda	Rice, Arhar, sesamum, ragi, niger, horsegram	Low yield of rice, ragi oilseeds (sesamum, mustard), Pulses (Horsegram, arhar, greengram), vegetables (Tomato, brinjal, okra,) Tubers (onion, potato) High gap in technology adoption	INM, IPM, Varietal substitution, organic farming, vegetable farming, Apiculture, NTFP
4.	Dudkabahal	Rajgangpur	Dudkabahal,	Rice, Vegetables, Mustard, greengram,	Low yield of rice oilseeds (mustard, sunflower), Pulses (Horsegram, arhar, greengram), vegetables (Tomato, brinjal, okra,) Tubers (onion, potato) low yield, lack of technology, gap in knowledge and skill, no value addition,	INM, IPM, value addition, vegetable cultivation.Dairy farming, off-season vegetable cultivation, income generation activities
5.	Ujjalpur	Tangarpali	Phuldhudi	Rice, vegetables, Mushroom, Vermicompost, Honeybee, Fishery	Low yield of rice, ragi oilseeds (sesamum, mustard), Pulses (Horsegram, arhar, greengram), vegetables (Tomato, brinjal, okra,) Tubers (onion, potato) medium- High gap in technology adoption in all crops	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

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2022) for its development and action plan

Name of village	Block	Action taken for development
Birjaberna, Lahandabud	Sundargarh	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
Barangakachhar and Talimunda	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 9SHGs by asset creation in the village on drudgery reduction small tools, community nursery
Ranibandh and Jhagarpur	Rajgangpur	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
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 7 SHGs by asset creation in the village on drudgery reduction small tools, community nursery
Sahebdera	Lephripada	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
Damkuda	Subdega	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

2.1 Priority thrust areas

S. No	Thrust area
ti	➢ Promotion of Zero budget Natural farming due to low application of fertilizer in tribal pocket
2.	➢ Improper nutrient management
3.	➢ Low yield of mustard
4.	➢ Less preference of Ragi for direct consumption
5.	➢ Low profit from vegetable cultivation
6.	➢ Opportunity for better income and sustainability through Vermi composting and Mushroom
7.	➢ Non availability of QPM in Off season
8	➢ Low productivity of oyster mushroom at low temperature(< 20c)
9	➢ Low production of paddy straw mushroom in summer

3. TECHNICAL ACHIEVEMENTS

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

OFT													FLD										
No. of technologies tested:													No. of technologies demonstrated:										
Number of OFTs		Number of farmers											Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement										Target	Achievement	Target	Achievement								
			SC		ST		Others		Total							SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T					M	F	M	F	M	F	M	F	T
5	5	35	2	1	3	3	23	3	28	7	35	15	15		18	26	95	43	107	45	220	114	334

Training												Extension activities											
Number of Courses		Number of Participants										Number of activities		Number of participants									
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement								
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
50	42	1500	77	77	334	361	167	212	570	648	1218	600	597								7370	4484	11854

Impact of capacity building											Impact of Extension activities										
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
4	4	8	9	15	17	17	31	40	57	97		11854									

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement

45.0	48.6	1,00,000	1,12,000

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
4q	3.2q	100	62

* 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	1	1083	1	9.03	9.03	N/A	N/A
Seminar/conference/ symposia papers	2	1500					
Books	5	2500					
Bulletins	10	1000					
News letter	1	500					
Popular Articles	1	Mass					
Book Chapter	1	517	N/A	N/A	N/A	N/A	N/A
Extension Pamphlets/ literature	1	500	N/A	N/A	N/A	N/A	N/A
Technical reports	8	1083	1	9.03	9.03	N/A	N/A
Electronic Publication (CD/DVD etc)	4	Mass					
TOTAL	34						

Achievements on technologies assessed and refined

OFT-1

1	Title of On Farm Trial	Assessment of herbicides for weed management in transplanted rice
2	Problem diagnosed	Yield loss due to high weed infestation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Assessed** FP - Hand weeding at 30DAT TO1- Application of PE Pendimethalin @ 0.75 kg/ha at (1 -3) DAT fbPoE application of Chlorimuron ethyl + Metasulfuron methyl @ 4.0 g/ha at 20 DAT TO2 - Post emergence application of Cyhalofop butyl+ Penoxulam @ 135g/ha at 20 DAT
4.	Source of Technology(ICAR/ AICRP/SAU/other, please specify)	SLREC 2020-21, OUAT
5	Production system and thematic area	Rice-Pulse, Rainfed medium land
6.	Performance of the Technology with performance indicators	Weed flora composition, Weed control efficiency Effective panicles/m2, No of Filled grains /Panicle, 1000 grain weight
7.	Final recommendation for micro level situation	TO-1 gives better control of weeds and resulted highest WCE (79.3%) along with yield (46.2 q/ha) over TO-2
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:
Problem definition: Low yield due to heavy weed infestation
Technology assessed: Herbicides for weed management in transplanted rice
Table:

Technology option	No. of trials	Weed Density (No/m^2)			WCE (%)	Grain Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Grass	Sedge	Brodad leaf						
FP	7	1.85*	1.64	1.59	-	45.2	43,290	70,610	27320	1.63

TO1	7	1.44	1.35	1.54	79.3	46.2	46,878	81,258	34380	1.73
TO2	7	1.60	1.02	1.87	73.3	45.7	45,682	78,642	32960	1.72
*Transformed values										

Results: TO-1 gives better control of weeds and resulted highest WCE (79.3%) along with yield (46.2 q/ha) over FP

OFT-3

1	Title of On farm Trial	Assessment of PSB and VAM on Groundnut (Rabi)-2023
2	Problem diagnosed	Low yield due to poor nutrient management and water stress
3	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Assessed** FP –*Application of N-P_2O_5-K_2O* @ 20:40:40 kg/ha TO1:STBF+0.2LR+Rhizobium @50g/kg of seed + PSB@5kg/ha TO2:STBF+0.2LR+Rhizobium @50g/kg of seed + PSB@5kg/ha+VAM@5kg/ha
4	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	All India Network Project on soil bio-diversity & Bio-fertilizers 2010
5	Production system and thematic area	Rice-groundnut, Irrigated medium land, INM
6	Performance of the Technology with performance indicators	Pod yield(q/ha), No of pods/plant, B:C Ratio
7	Final recommendation for micro level situation	STBF+0.2LR+Rhizobium @50g/kg of seed + PSB@5kg/ha+VAM@5kg/ha resulted in highest pod yield
8	Constraints identified and feedback for research	Availability of good quality VAM is a problem
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:

Problem definition: Low yield due to poor nutrient management and water stress
Technology assessed: PSB and VAM application in Groundnut
Table:

Technology option	No. of trials	No of pods/Plant	Pod Yield (q/ha)	% increase over FP	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	7	16.0	16.8	-	55,000	98,280	43,280	1.79
TO1	7	20.8	21.6	28.57	57,000	1,26,360	69,360	2.22
TO2	7	21.4	22.7	35.11	58,500	1,32,795	74,295	2.27

Results: STBF+0.2LR+Rhizobium @50g/kg of seed + PSB@5kg/ha+VAM@5kg/ha resulted in highest pod yield of 22.7q/ha.

OFT-4

1	Title of On farm Trial	Assessment of nano urea liquid fertilizer in transplanted rice(Kharif)2022
2	Problem diagnosed	Low yield due to Improper use of urea fertilizer
3	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed FP - Application of N:P: K(80:40:40) kg/ha To1 - 50 % recommended N + 100 % P and K as basal application and two sprays Nano urea @ 0.2 % tillering and PI stage To2 - 75 % recommended N + 100 % P and K as basal application and two sprays Nano urea @ 0.2% at tillering and PI stage
4	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Annual Report (IFFCO Project), OUAT 2020-21,AAU, Annual report 2019-20
5	Production system and thematic area	Rice- Greengram, INM
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	This OFT need to be repeated in 2nd year for confirmation of results
8	Constraints identified and feedback for research	Research on physiology of nano urea is required
9	Process of farmers participation and their reaction	Training, Oft, Method demonstration etc.

Thematic area: INM

Problem definition: Low yield due to Improper use of urea fertilizer

Technology assessed: To1: 50 % recommended N + 100 % P and K as basal application and two sprays Nano urea @ 0.2 % tillering and PI stage

To2 :75 % recommended N + 100 % P and K as basal application and two sprays Nano urea @ 0.2% at tillering and PI stage

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	7	10.6	278.1	21.0	21.6	40.4	55000	82416	27416	1.50
To1	7	12.3	292.3	21.3	11.5	45.2	56000	92208	36208	1.65
To2	7	12.8	295.4	21.4	10.4	46.3	56350	94452	38102	1.68

Results:75 % recommended N + 100 % P and K as basal application and two sprays Nano urea @ 0.2% at tillering and PI stage resulted in highest grain yield of 46.3q/ha

OFT-5

1.	Title of On Farm Trial	Assessment on different method of pasteurization of straw for controlling of Inkcaps in paddy straw mushroom bed (Kharif)
2.	Problem diagnosed	Lack of knowledge on pasteurization of substrate for controlling competitive mould (inkcap)
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Assessed** FP - *No pasteurization of substrate* TO1- Pre Soaking of substrate in 2% bleaching powder for 6hrs TO2 - Pre Soaking of substrate in 2% Calcium Carbonate for 6hrs
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Proceedings of 8th International conference on Mushroom Biology, 2015-16
5.	Production system and thematic area	Homestead
6.	Performance of the Technology with performance indicators	Intensity of Copernicus% No of Inkcaps /bed, Yeild (Kg/bed)
7.	Final recommendation for micro level situation	Pre Soaking of substrate in 2% Calcium carbonate for 6hrs lowering the inkcap infection, dipping the polythene and wiping the rack with calcium carbonate for management of inkcap
8.	Constraints identified and feedback for research	Unavailability of good quality straw
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:

Problem definition: Lack of knowledge on pasteurization of substrate for controlling competitive mould (inkcap)

Technology assessed: TO1- Pre Soaking of substrate in 2% bleaching powder for 6hrs
TO2 - Pre Soaking of substrate in 2% Calcium Carbonate for 6hrs

Table:

Technology option	No. of trials	Intensity of Inkcaps / Copernicus %	Yield (q/ha)	Biological Efficiency	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	7	33.01	465	6.6	85	93.0	8.0	1.09
TO1	7	11.30	681	9.7	95	136.2	41.2	1.43
TO2	7	4.0	856	12.2	95	171.2	76.2	1.80

Results: Pre Soaking of substrate in 2% Calcium carbonate for 6hrs lowering the inkcap infection, dipping the polythene and wiping the rack with calcium carbonate for management of inkcap

OFT-6

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 - *Farmers market their produce individually through intermediaries* 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 Social 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 achievement
				Proposed	Actual	SC`		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Rice	INM	Demonstration on potassium and zinc application for management of iron toxicity in rice. Application of 25 kg ZnSO4/ha and top dressing of MOP@30kg/ha after drainage of water	2.0	2.0	0	0	10	0	0	0	10	0	10	
2	Maize	Varietal evaluation	Demonstration on Hybrid Maize variety Kalinga Raj with Line sowing and RDF (120:60:60)	4.0	4.0	0	0	37	17	8	0	45	17	62	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	nal rainfall	No. of rainy days
				N	P_2O_5	K_2O					
Rice	Kharif2022	Rainfed	Red soil (Sandy loam)	280	9.2	178	Rice	5.7.22	22.11.22	875	48
Maize	Kharif2022	Rainfed		248	7.8	156	Fallow	15.7.22	8/11/22	875	48

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.

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
Rice	INM	Potassium and zinc application for mgt of iron toxicity in rice	10	2.0	45.5	38.6	17.88	47500	88725	41225	1.88	45000	75270	30270	1.67
Maize	Varietal trial	Hybrid Maize variety Kalinga Raj with Line sowing and RDF (120:60:60)	62	4.0	62.8	51.4	22.17	68900	1,23,200	54,300	1.79	65200	100850	35650	1.54

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

Goundnut	Weed Management	Pre-emergence application of Pendimethalin 30% + Imazethyper 2%@ 1.0 kg/ha ready mix fb post emergence application of Quizalfop-p-ethyl @50g/ha at 20 DAS	10	2	17.4	15.1	13.45	37500	101790	64290	2.72	34800	88335	53535	2.54
Total															

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

Pulses

Frontline demonstration on pulse crops

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

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

** BCR= GROSS RETURN/GROSS COST

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters (Avg. no of fruits/plant)		*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
Tomato	INM	Integrated Nutrient ManagementIn Tomato	10	1.0	305.4	271.2	12.61	63	54	1,38,000	3,66,480	2,28,480	2.66	1,32,000	3,25,440	1,93,440	2.47
Brinjal	INM	INM in Brinjal	10	1.0	360.2	320.4	10.69	83	76	1,40,000	3,60,200	2,20,200	2.57	1,35,000	3,25,400	1,90,400	2.41
Banana	INM	Bunch feeding in banana for yield enhancement	10	2.0	760.5	665.6	14.26	30.3 (Avg. bunch wt in kg)	26.6	2,53,500	9,12,600	6,59,100	3.60	250,000	7,98,720	5,48,720	3.19
	Total		30	4.0													

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry	Income generation																
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)																	
Total																	

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

** BCR= GROSS RETURN/GROSS COST

Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demo	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps	Integrated fish Farming	IMC yearlingsprodn in seasonal ponds. Feeding with mixture of mustard oil cake, De-oiled Rice bran(1:1) & vitamin mineral pre-mix @ 10% of Bio-mass during first month, 8% of the Bio-mass during 2nd month & 6% of the Bio-mass during 3rd month	5	5	Yield (ton/ha) 4.87	Yield (ton/ha) 2.25	116			2,78,571	8,77,500	5,98,929	3.15	1,36,800	4,05,000	2,68,200	1.96
		Total	5	5	Yield(ton/ha) 4.87	Yield(ton/ha) 2.25	116			2,78,571	8,77,500	5,98,929	3.15	1,36,800	4,05,000	2,68,200	1.96

* 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	Demonstration of Oyster mushroom for Income generation	10	100 bags	150kg/ 100 bag	100kg/ 100bag	50	-	-	4000	12000	8000	3.0	4000	8000	4000	2.0
Paddy straw mushroom	Demonstration of Paddy Straw mushroom for Income generation, using threshed straw	20	100 beds	65kg/ 100bed	85kg/ 100bed	30.7	13.0 bio efficiency	12.1 bio efficiency	4500	16250	11750	3.61	5500	21250	15750	3.86

Vermicompost	Demonstration of Vermicomposting, Recommended layer so for organic waste and cow dung in vermitank (using 4'dia cement ring. Release of earthworm @50nos/kg of organic waste	10	20 tanks	8q/1.75m^3 /yr compost yield	3.5/1.75m^3 /yr normal compost	128	Composting cycle 2.5months	Composting cycle 8months	5500	12000	6500	2.18	1300	1500	200	1.15
Apiculture	Regular and periodic bottom board cleaning, maintaining healthy and populous colony ,regular and periodic dearth feeding, removal of old combs and allowing new comb construction, need-based brood comb alteration and need based colony union or division are recommended for scientific beekeeping with *Apis-ceranaindica*	10	10 boxes	Honey yield 3kg/box	-	100	1 colony division/ box/yr	-	850/ Box/yr	2200/ Box/yr	1350	2.59	-	-	-	-
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	Nutritional Garden for Nutritional Security of farm families	30	541 Yield (kg/200m^2/season)	241 Yield (kg/200m^2/season)	After Training, Demonstration & Awareness programme the consumption of vegetables increased
	Production of paddy straw Mushroom for income generation using threshed straw	20	130kg/1qt of threshed straw	50kg/1qt of threshed straw	160% increase in production as well as triple the Farmwomen income (from Rs6100/- to Rs.20,800/-)
	Oyster mushroom var.(*H. ulmarius)* for Income generation	90	185kg/100bag	100kg/100bag	High production of mushroom(185kg/100bag) can be obtained during low temperature(less than 20oC)(December and January) than P.sajorcaju
	Vermicomposting	10	8q/1.75m^3/year	3.5q/1.75m^3/year Normal compost	Increase the Income from Rs200/- to Rs6500/-) It is a very easy method for making good quality of compost from farm waste within short (3months)period of time
	Brooding management of Backyard poultry	30	5mortality	15mortality	After brooding of chicks with proper vaccination 66% increase in mortality

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)	Cost reduction (Rs./ha or Rs./Unit)
					Demonstration	Check			
Power Sprayer	Paddy	Demonstration of power sprayer for pest management	20	1	4	14	71.4	10 hour	Rs. 420/- per ha

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

** BCR= GROSS RETURN/GROSS COST

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area(ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
Cereals				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Bajra										
Maize	Kalingaraj	62	4.0	62.8	51.4	22.17	68900	1,23,200	54,300	1.79
Paddy										
Sorghum										
Wheat										
Others (Pl.specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl.specify)										
Total										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl.specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										

Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl.specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl.specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl.specify)										
Total										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Groundnut	Application of Pendimethalin 30% + Imazethyper 2% @ 1.0 kg/ha as pre emergence fb post emergence application of Quizalfop-p-ethyl @ 50g/ha at 20 DAS gives a good control of weeds and increases yield 13.5 % over existing practice

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	30/12/2022	1	50	
2.	Farmers Training	14/10/2022& 26/12/2022	2	60	
3.	Media coverage				
4.	Training for extension functionaries				

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Fish	Stocking with IMC yearlings with proper feed management produces higher fish yield

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	31.10.2022	1	30	
3.	Media coverage	Social Media			
4.	Training for extension functionaries				

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Rice	Application of Potassium and zinc effectively controls iron toxicity problems in rice & produced higher yield.

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	26.8.2022	1	30	
3.	Media coverage	Social Media			
4.	Training for extension functionaries				

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Maize	Kalinga Raj var. of hybrid maize produced higher yield under rainfed condition over local variety

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	9/2/2022	1	30	
3.	Media coverage	Social Media			
4.	Training for extension functionaries				

Sl. No	Crop	Feed Back
1	Tomato	.INM in tomato produced higher yield than sole application of chemical fertilisers

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	06/01/2023	1	30	
3.	Media coverage	Social media			
4.	Training for extension functionaries				

Sl. No	Crop	Feed Back
1	Brinjal	INM in brinjal produced higher yield compared to sole application of chemical fertiliser

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	2/3/2023	1	30	
3.	Media coverage	Social media			
4.	Training for extension functionaries				

Sl. No	Crop	Feed Back
1	Banana	Bunch feeding of Banana increases bunch weight, finger size & wt & produced higher yield.

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	10/2/2023	1	30	
3.	Media coverage	Social media			
4.	Training for extension functionaries				

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Rabi 2022-23 &Kharif2022:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Greengram	Local var.	5.3	6.2	5.08	10	Greengram var. IPM-205-7 1.Seed rate of 25 kg per ha 2.Seed treatment with *Rhizobium sp.*@ 20g/kg 3.Post emergence application of Quizalofop Ethyl 5% EC @ 1.5 ml/l 4.Plant Protection to control pod borer application of Emamectin Benzoate 5 % SG @ 0.4 g/l 5.Foliar spray of water soluble NPK (19:19:19) at vegetative stage 6. Foliar application of 0.1 % Boron at flowering	25	10	7.8	6.4	7.1	14.52	39.76	40.85

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
							stage								
3	Sesamum	Kalika	4.8	406	237	800	Smarak recommended dose of fertilizer & use of micro nutrient and need based plant protection measures	50	20.0	7.5	6.0	6.6	162	278	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	Greengram var. IPM-205-7 1.Seed rate of 25 kg per ha 2.Seed treatment with *Rhizobium sp.*@ 20g/kg 3.Post emergence application of Quizalofop Ethyl 5% EC @ 1.5 ml/l 4.Plant Protection to control pod borer application of Emamectin Benzoate 5 % SG @ 0.4 g/l 5.Foliar spray of water soluble NPK (19:19:19) at vegetative stage 6. Foliar application of 0.1 % Boron at flowering stage	23000	37100	14100	1.61	26000	49700	29800	1.91
3	Smarak Broadcasting method, Recommended dose of fertilizer, seed treatment use of micronutrient &neem oil for disease & pest mgt	14280	32850	18570	2.3	18200	51678	33478	2.84

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	Greengram ***IPM-205-7***	7100	460	70	30	120	Education, cultivation, food & medical,	3

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)
							Home	
3	Sesamum	13200	100	78.3	300	-	Day to day expenditure	25

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	Seasmum Cv Smarak, Line sowing with recommended dose of fertilizer, rhizobium culture, use of micro nutrient and need based plant protection measures	Suitable for Summer season	High yield & Oil content	Good	No	Yes	No

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Greengram var. IPM-205-7 is high yielding with early maturity and resistant to MYMV	Yield performance is good and tolerant to MYMV over existing practice	Seed quality is better	satisfied (early maturity)
SesamumVarSmarak is 80-85 days, drought tolerant, high oil content(48-52%)	Higher yield & Oil content	Higher yield, oil content than local variety	Farmers are satisfied with the performance of the variety & oil content

F. Extension activities under FLD conducted:

CFLD (RABI) – GREENGRAM Rabi 2022-2023			
Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Training programme 1	07.11.2022 (Budhelkani)	25
2.	Training programme 2	03.03.2023 (Jarangloi)	25
3.	Method demonstration 1	07.11.2022 (Budhelkani)	25
4.	Method demonstration 2	03.03.2023 (Jarangloi)	25
5.	Diagnostic field visit 1	01.11.2022 (Sonamunda)	15
6.	Diagnostic field visit 2	07.11.2023 (Philingbahal)	10
7.	Diagnostic field visit 3	14.01.2023 (Champapada)	15
8.	Field Day 1	30.03.2023 (Jarangloi)	50

Extension activities under FLD conducted in CFLD Sesamum(Kharif-2022)

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Training	30/9/22 & 28/10/22 at Bheluadihi&Dudkabahal	100
2	Method Demonstration	27/8/2022, 28/8/2022 & 2/9/2022(Bheluadihi & Dudkabahal, Bhaluduma, Kuapani, Gyanpali)	50
3	Field visit	9/9/22,22/9/22,13/1022,16/11/22 (Bheluadihi&Dudkabahal, Bhaluduma, Kuapani, Gyanpali)	35
4	Field Day	1/12/22 (Bheluadihi)	50

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

	
Vegetative Stage	Reproductive Stage

H. Farmers' training photographs

	
Training 1	Training 2

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

		
Field Selection	Distribution of Inputs	Method Demonstration
		
Application of micronutrients	Sowing of Seeds	Field Visit

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Greengram (*Rabi* 2022-23)	i) Critical input	90,000/-	74,420/-	Nil
	ii) TA/DA/POL etc. for monitoring		4,830/-	Nil
	iii) Extension Activities (Field day)		5,750/-	Nil
	iv)Publication of literature		5,000/-	Nil
	Total	90000/-	90000/-	Nil

Crop	Items	Budget Received(Rs.)	Budget Utilization(Rs.)	Balance (Rs.)
Sesamum	i) Critical input	1,00,000	90,480	Nil
	ii) TA/DA/POL etc. for monitoring		0	
	iii) Extension Activities (Field day)		9,520	
	iv)Publication of literature		0	
	Total		1,00,000	

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

A) Farmers and farm women (on campus)

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others													
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													

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
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and													

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
bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0

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													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production	1	6	0	6	4	0	4	10	0	10	20	0	20
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production	1	0	11	11	0	4	4	0	9	9	0	24	24
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition	1	2	4	6	2	3	5	4	8	12	8	15	23
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	3	0	3	2	2	4	11	1	12	16	3	19
Ornamental fisheries	1	5	0	5	1	2	3	5	7	12	11	9	20
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Fish harvest and processing technology													
Fry and fingerling rearing													
Others (Disease & Pest in Rice)	1	9	16	25	2	2	4	1	0	1	12	18	30
Others (Marketing avenues for agri-commodity : System & Operations, Mgt & Marketing through FPO,)	2	19	3	22	7	3	10	14	9	23	40	15	55
Total	8	44	34	82	18	16	34	45	34	79	107	84	191

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	2	22	14	36	2	2	4	8	2	10	32	18	50
Integrated Nutrient management	1	3	7	10	2	2	4	4	2	6	9	11	20
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers	1	7	5	12	2	0	2	3	3	6	12	8	20
Capacity building for ICT application	1	7	20	27	0	3	3	4	3	7	11	26	37
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other (Enterpreneurship development among farmwomen)	1	0	15	15	0	2	2	0	3	3	0	20	20
Total	6	39	61	100	6	9	15	19	13	32	64	83	147

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	4	12	7	19	17	6	23	43	35	78	72	48	120
Resource Conservation Technologies	1	3	0	3	1	0	1	14	12	26	18	12	30
Cropping Systems	1	0	0	0	0	0	0	07	23	30	07	23	30
Crop Diversification	1	6	0	6	3	0	3	21	0	21	30	0	30
Integrated Farming	1	6	1	7	1	11	12	6	5	11	13	17	30
Micro irrigation/irrigation	1	8	5	13	3	0	3	12	2	14	23	7	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
Seed production													
Nursery management	1	5	5	10	4	2	5	9	5	14	18	12	30
Integrated Crop Management	1	8	0	8	3	0	3	19	0	19	30	0	30
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total	11	48	18	66	32	19	50	131	82	213	211	119	330
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off0season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management	6	23	18	41	9	13	22	62	55	117	94	86	180
Production and use of organic inputs	1	4	12	16	2	4	6	2	6	8	8	22	30
Management of Problematic soils													
Micro nutrient deficiency in crops	2	15	7	22	4	2	6	18	14	32	37	23	60
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing	2	5	16	21	1	0	1	20	18	38	26	34	60
Others (Rain water harvesting & water conservation))	2	10	7	17	8	5	13	50	20	70	68	32	100
Total	13	57	60	117	24	24	48	152	113	265	223	197	420
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	3	0	20	20	0	17	17	0	53	53	0	90	90
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others (Nursery Raising in low cost poly tunnel, Paddy straw mushroom	3	0	26	26	0	17	17	0	47	47	0	90	90

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
with threshed straw, Oyster mushroom with threshed straw)													
Total	6	0	46	46	0	34	34	0	100	100	0	90	190
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming	1	1	4	5	0	1	1	1	23	24	2	28	30
Carp breeding and hatcherymgt.													
Carp fry and fingerling rearing													
Composite fish culture	2	8	19	27	5	1	6	13	14	27	26	34	60
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total	3	9	23	32	5	2	7	14	37	51	28	62	90
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													

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
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs	2	11	0	11	3	0	3	29	17	46	43	17	60
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others (Turmeric Culivation)	1	0	14	14	0	0	0	0	16	16	0	30	30
Total	3	11	14	25	3	0	3	29	33	62	43	47	90
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

E)RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Total													

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	5	4	9	4	1	5	2	4	6	11	9	20
Integrated Pest Management													
Integrated Nutrient management	1	6	7	13	0	1	1	2	4	6	8	12	20
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total	2	11	11	22	4	2	6	4	8	12	19	21	40

G) Consolidated table (ON and OFF Campus)

i. Farmers& Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	4	12	7	19	17	6	23	43	35	78	72	48	120
Resource Conservation Technologies	1	3	0	3	1	0	1	14	12	26	18	12	30
Cropping Systems	1	0	0	0	0	0	0	07	23	30	07	23	30
Crop Diversification	1	6	0	6	3	0	3	21	0	21	30	0	30
Integrated Farming	1	6	1	7	1	11	12	6	5	11	13	17	30
Micro irrigation/irrigation	1	8	5	13	3	0	3	12	2	14	23	7	30
Seed production													
Nursery management	1	5	5	10	4	2	5	9	5	14	18	12	30
Integrated Crop Management	1	8	0	8	3	0	3	19	0	19	30	0	30
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total	11	48	18	66	32	19	50	131	82	213	211	119	330
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													

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

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
Soil fertility management													
Integrated water management													
Integrated Nutrient Management	6	23	18	41	9	13	22	62	55	117	94	86	180
Production and use of organic inputs	1	4	12	16	2	4	6	2	6	8	8	22	30
Management of Problematic soils													
Micro nutrient deficiency in crops	2	15	7	22	4	2	6	18	14	32	37	23	60
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing	2	5	16	21	1	0	1	20	18	38	26	34	60
Others (Rain water harvesting & water conservation)	2	10	7	17	8	5	13	50	20	70	68	32	100
Total	13	57	60	117	24	24	48	158	113	265	233	197	530
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	3	0	20	20	0	17	17	0	53	53	0	90	90
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others	3	0	26	26	0	17	17	0	47	47	0	90	90
Total	6	0	46	46	0	17	17	0	100	100	0	180	180
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming	1	1	4	5	0	1	1	1	23	24	2	28	30
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture	2	8	19	27	5	1	6	13	14	27	26	34	60
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total	3	9	23	32	5	2	7	14	37	51	28	62	90
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	33	114	147	261	61	62	123	303	332	635	472	558	1030

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													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production	1	6	0	6	4	0	4	10	0	10	20	0	20
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production	1	0	11	11	0	4	4	0	9	9	0	24	24
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition	1	2	4	6	2	3	5	4	8	12	8	15	23
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others	1	9	16	25	2	2	4	1	0	1	12	18	30
Total	4	17	31	48	8	9	17	15	17	32	40	57	97

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	5	4	9	4	1	5	2	4	6	11	9	20
Integrated Pest Management	2	22	14	36	2	2	4	8	2	10	32	18	50
Integrated Nutrient management	2	9	14	23	2	3	5	6	6	12	17	23	40
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total	5	36	32	68	8	6	14	16	12	28	60	50	110

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	Techniques of nursery raising in rice	1	Off	18	12	30	15	12	27
Agronomy	F& FW	Improved Agronomic package and practices for ragi cultivation	1	Off	07	23	30	7	23	30
Agronomy	F& FW	Improved Agronomic package and practices for DSR	1	Off	23	7	30	24	0	24
Agronomy	F& FW	Improved package and practices for Arhar cultivation	1	Off	13	17	30	7	16	23
Agronomy	F& FW	Integrated weed management in DSR	1	Off	23	7	30	15	2	17
Agronomy	F& FW	Integrated weed management in transplanted rice	1	Off	13	17	30	8	3	11
Agronomy	F& FW	Agronomic Package & practices for maize cultivation	1	Off	18	12	30	13	7	19
Agronomy	F& FW	Management of rice fallow area	1	Off	30	0	30	24	24	24

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	Importance of weed management in Blackgram	1	Off	18	12	30	4	23	4
Agronomy	F& FW	Weed Management in Groundnut	1	Off	07	23	30	0	22	0
Agronomy	F& FW	Techniques of nursery raising in rice	1	Off	21	9	30	8	28	8
Agronomy	RY	Organic Farming	2	On	12	18	30	9	22	9
Agronomy	RY	Quality seed production in Rice	3	On	20	0	20	6	3	9
Agronomy	EF	Prospect of Annual planning of weed pest management	2	On	15	5	20	3	2	5
Home Science	F/FW	Nursery raising of vegetables under low cost poly house	1	Off	8	6	14	9	8	17
Home Science	F/FW	Production of paddy straw mushroom with threshed straw	1	Off	21	9	30	8	28	8
Home Science	F/FW	Nutritional garden for nutritional security of farm families	1	On	12	18	30	9	22	9
Home Science	F/FW	Nutritional garden for nutritional security	1	Off	18	12	30	15	12	27
Home Science	F/FW	Benefits of nutrigarden&layouting of model nutria garden	1	Off	21	9	30	8	28	8
Home Science	F/FW	Production of oyster mushroom on threshed straw for income generation	1	Off	07	23	30	0	22	0
Home Science	IS	Entepreneurship development among farmwomen	1	On	15	5	20	3	2	5
Home Science	RY	Value addition of Mushroom	2	On	15	5	20	3	2	5
Home Science	RY	Commercial mushroom production for sustainable enterprise	2	On	9	15	24	7	12	5
Agril Extension	F/FW	Improved turmeric cultivation	1	Off	0	30	30	0	16	16
Agril Extension	F/FW	Formation of groups for aggregation & marketing of farm produce	2	Off	43	17	60	32	17	49
Agril Extension	RY	Online marketing avenues for agri-commodities systems & Operations	2	On	32	6	38	15	3	18
Agril Extension	RY	Management of FPOs & Marketing through FPOs	2	On	8	9	17	6	9	15
Agril Extension	RY	Production & Rearing of Poultry	2	On	16	3	19	13	3	16
Agril Extension	IS	Communication skill & Motivation	1	On	12	8	20	5	3	8

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Agril Extension	IS	Application of new media in Extension	1	On	4	13	17	2	0	2
Agril Extension	IS	Recent advances of ICTs used in agriculture	1	On	7	13	20	2	6	8
Fishery Science	F/FW	Pre-stocking mgt of fish ponds	1	Off	3	27	30	0	14	14
Fishery Science	F/FW	Weed mgt. in fish ponds	1	Off	22	8	30	18	3	21
Fishery Science	F/FW	Nutrient mgt in Fish ponds	1	Off	4	26	30	1	24	25
	RY	Ornamental fish keeping & fabrication of Aquarium	2	On	11	9	20	6	9	15
Soil Science	F/FW	INM in cole crops	1	Off	18	12	30	15	12	27
Soil Science	F/FW	INM in pulses	1	Off	3	27	30	3	18	21
Soil Science	F/FW	INM in maize	1	Off	11	19	30	4	13	17
Soil Science	F/FW	INM in Banana	1	Off	14	16	30	6	13	19
Soil Science	F/FW	INM in Brinjal	1	Off	21	9	30	21	9	30
Soil Science	F/FW	Preparation of quality compost from agricultural waste	1	Off	8	22	30	4	10	14
Soil Science	F/FW	Importance of soil testing & balance fertilizer application in crops	2	off	26	34	60	21	18	39
Soil Science	F/FW	Micro & secondary nutrient application in Rice	2	Off	37	23	60	22	16	38
Soil Science	F/FW	INM in Ragi	1	Off	27	3	30	22	3	25
Soil Science	F/FW	Mgt of acid soil	1	Off	21	9	30	16	6	22
Soil Science	F/FW	Rainwater harvesting & water conservation	2	Off	68	32	100	58	25	83
Soil Science	IS	Soil related constraints & their amelioration for sustainable crop production	1	Off	11	9	20	6	5	11
Soil Science	IS	Recent advances in fertilizer mgt in field crops	3	Off & On	17	23	40	8	9	17
Soil Science	IS	Mgt. of Brown plant hoppers in Rice	1	On	17	13	30	6	4	10

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 else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Rice	Seed	Quality seed	3	20	0	20	Seed	3	12	7

	Production	production in Rice					Farm			
Fish	Ornamental Fish keeping	Ornamental fish keeping & fabrication of aquarium	2	20	9	11	Aquarium making	2	4	0

*training title should specify the major technology /skill transferred

b) Details of participation

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Crop production and management													
Commercial floriculture													
Commercial fruit production													
Commercial vegetable production													
Integrated crop management													
Organic farming													
Other													
Total													
Post harvest technology and value addition													
Value addition													
Other													
Total													
Livestock and fisheries													
Dairy farming													
Composite fish culture													
Sheep and goat rearing													
Piggery													
Poultry farming													
Other													
Total													
Income generation activities													
Vermicomposting													
Production of bioagents, biopesticides,													
biofertilizers etc.													
Repair and maintenance of farm machinery &imlements													
Rural Crafts													
Seed production	1	6	0	6	4	0	4	10	0	10	20	0	20
Sericulture													
Mushroom cultivation	1	0	11	11	0	4	4	0	9	9	0	24	24

Nursery, grafting etc.													
Tailoring, stitching, embroidery, dying etc.													
Agril. Para-workers, para-vet training													
Other													
Total													
Agricultural Extension													
Capacity building and group dynamics													
Other	1	9	16	25	2	2	4	1	0	1	12	18	30
Total													
Grand Total	3	15	27	42	6	6	12	11	9	20	32	42	74

I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

Sl .No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of participants	Sponsoring Agency
					PF/RY/EF			
1	Small Mushroom Grower	IGA	March	30	RY	10	20	Skill India
2	Scientific Bee Keeping	IGA	February	7	PF	3	25	NBB

b) Details of participation

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Crop production and management													
Increasing production and productivity of crops													
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management													
Production of Inputs at site													
Methods of protective cultivation													
Other													
Total													
Post harvest technology and value addition													

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

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	14	446	276	722	32	27	46	73	473	322	795
KisanMela	3	1124	611	1735	29	86	49	135	1210	660	1870
KisanGhosthi	2	419	239	658	41	29	32	61	448	271	719
Exhibition	4	926	417	1343	54	18	29	47	944	446	1390
Film Show	17	824	361	1185	49	89	36	125	913	397	1310
Method Demonstrations	11	198	112	310	76	13	20	33	211	132	343
Farmers Seminar	2	11	46	57	64	2	3	5	13	49	62
Workshop				0				0	0	0	0

Group meetings	18	212	72	284	69	6	4	10	218	76	294
Lectures delivered as resource persons	46	418	271	689	35	24	39	63	442	310	752
Advisory Services	21	94	27	121	17	4	9	13	98	36	134
Scientific visit to farmers field	86	841	503	1344	61	18	21	39	859	524	1383
Farmers visit to KVK	307	287	178	465	33	0	0	0	287	178	465
Diagnostic visits	8	147	86	233	45	11	8	19	158	94	252
Exposure visits	19	384	186	570	51	21	17	38	405	203	608
Ex-trainees Sammelan	2	45	35	80	27	4	2	6	49	37	86
Soil health Camp				0				0	0	0	0
Animal Health Camp				0				0	0	0	0
Agri mobile clinic				0				0	0	0	0
Soil test campaigns	5	218	282	500	67	11	8	19	229	290	519
Farm Science Club Conveners meet				0				0	0	0	0
Self Help Group Conveners meetings				0				0	0	0	0
MahilaMandals Conveners meetings				0				0	0	0	0
Celebration of important days (specify)	9	71	132	203	72	13	18	31	84	150	234
Sankalp Se Siddhi				0				0	0	0	0
Swatchta Hi Sewa	21	287	117	404	47	6	9	15	293	126	419
MahilaKisan Divas	2	27	156	183	54	9	27	36	36	183	219
Any Other (Specify)				0				0	0	0	0
Total	597	6979	4107	11086	923	391	377	768	7370	4484	11854

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	38
Radio talks	7
TV talks	1
Popular articles	8
Extension Literature	8(4000)
Other, if any	

3.5 a. Production and supply of Technological products

Village seed

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

Total												

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Rice	Pratikshya	48.6	1,73,113/-	8	0	22	5	12	3	42	8
Grand Total		48.6	1,73,113/-	8	0	22	5	12	3	42	8

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	5000	5000	11	21	17	11	17	18		
Cabbage	Hybrid	5000	5000	15	21	17	11	17	18		
Tomato	Hybrid	5000	5000	16	21	17	11	17	18		
Brinjal	Hybrid	5000	5000	12	21	17	11	17	18		
Chilli	Hybrid	5000	5000	14	21	17	11	17	18		
Onion	Hybrid	5000	5000	10	21	17	11	17	18		
Others	Hybrid	5000	5000	8	21	17	11	17	18		
Fruits											
Mango		5000	5000	8	11	17	11	21	18		
Guava	VNR Bihi	5000	5000	28	11	17	11	21	18		
Lime		5000	5000	14	11	17	11	21	18		
Papaya	Red lady	5000	5000	13	11	17	11	21	18		
Banana	G-9	5000	5000	17	11	17	11	21	18		
Others											
Ornamental plants											
Medicinal and Aromatic		100	1500	8	11	17	8	21	18		
Plantation		3500	17500	8	11	17	8	21	18		
Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Others, pl.specify											
Total											

Production of Bio-Products

Name of product	Quantity/Kg	Value (Rs.)	No. of Farmers benefitted							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers	4058	60570	9	11	17	8	21	18	47	47
Bio-pesticide										
Bio-fungicide										
Bio-agents	8	3875	1	2	2	1	1	2	4	5
Others, please specify.										
Mushroom spawn	1952 nos. of bottles	39055	9	11	17	8	21	18	47	47
Mushroom	249	24905								
Mushroom bed	8 nos.	400								
Mushroom manual	31 nos.	1860								
Azolla	1	50								
Honey	3.5	1750								
Polythene for Mushroom bed	1073 nos.	5365								

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Dairy animals											
Cows											
Buffaloes											
Calves											
Others (Pl. specify)											
Small ruminants											
Sheep											
Goat											
Other, please specify											
Poultry											
Broilers											
Layers											
Duals (broiler and layer)		13	2540	1	1	2	-	1	2	4	3
Japanese Quail											
Turkey											
Emu											
Ducks											
Others (Pl. specify)											
Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp		99kg	14895	8	2	6	8	11	9	25	19
Exotic carp											
Mixed carp											
Fish fingerlings											
Spawn											

Others (Pl. specify)											
Grand Total											

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

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 2022						
Rabi 2022-23						
Summer/Spring 2023						

iii) Financial Progress

Fund received (2019-20, 2020-21, 2021-22 and 2022-23)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2019-20				
2020-21				
2021-22				
2022-23				

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	Field-evolved resistance and mechanisms in Bemisiatabaci Asia I to a novel pyropene insecticide, afidopyropen, in India	Mahalanobish, Durga, SubhramalyaDutta, Debashis Roy, AbhisekBiswas, SukamalSarkar, **DibyenduMondal,** Ahmed Gaber, Akbar Hossain, and PijushKantiSarkar.	1	Mass
Seminar/conference/ symposia papers				
Books				
Bulletins				
News letter				
Popular Articles				
Book Chapter	Precision Input Management for Minimizing and Recycling of Agricultural Waste	Majumder, Debjyoti, JavedAkhter, AgnivaMandal, Rakesh Roy, **DibyenduMondal**, Rajan Bhatt, and Akbar Hossain	1	Mass
Extension Pamphlets/ literature				
Technical reports				
Electronic Publication (CD/DVD etc.)				
TOTAL				

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

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

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Management development programme for newly recruited Sr. Scientists of KVK	Management development programme	Dr. LaxmipriyaPradhan, Sr. Scientist & Head	12/6/22 to 19/7/22	ICAR, NAARM, Hyderabad, Ranchi KVK, ATARI, Kolkata
2.	Exposure visit & Training programme on Spiriluna Cultivation	Training programme	Dr. LaxmipriyaPradhan(Sr. Scientist & Head) & Dr. Manoj Ku. Jena (Scientist, Soil Science)	11/8/2022 to 13/8/2022	CSIR-CFTRI, Mysore
3.	Reconnecting The Agricultural Heritage for Public Health, Nutrition and Employment In India	Seminar on Aromatic an dmedicinal P lants	Dr. DibyenduMondal, SMS(Agronomy)	8/9/2022	PMIT, Talcher, Odisha
4	Convergence of Extension Services of KVKs under ICAR in sericulture-Conducting Trainers Training Programme for KVK Scientists	TOT programme for KVK Scientists	David James Bage, Scientist (Agril Extension)	11^{th} to 15^{th} October 2022	CTRTI, Ranchi
5.	Short Video Production	Skill Training	Mr. A K Mishra, PA(Computer)	15^{th}-17^{th} Dec'2022	Dean, Extension Education,OUAT, BBSR

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	KetakiKalo
Address	Phuldhudi village of Tangarpali Block of Sundargarh district
Contact details (Phone, mobile, email Id)	8018356874
Landholding (in ha.)	1.02
Name and description of the farm/ enterprise	From the farming unit of 3 acres involving paddy, vegetable, poultry and mushroom she has produced about 7.2q of mushroom, more than 200 q of vegetables year-round. She has
Economic impact	A training and demonstration on Nutri-gardening, Nursery raising on polyhouses and Honey bee also provided by KVK At present she has added more units like paddystraw mushroom, Vermicomposting which has added more than doubling her income
Social impact	The training helped her learning appropriate and scientific method of agricultural activities toenterprise mode involving paddy, vegetables, (Nutri-garden), poultry, mushroom and using their By-products for vermicompost production. KVK linked with Horticulture deptt for establishment of amushroom production unitMore often she regularly visits KVK and updates herself with newknowledge regularly with the help of scientists she has now able to establish herself as a beacon ofhope among tribal women as a successful farmwoman. In herunutilized 1acre of land she started mushroom cultivation along with her vegetable cultivation and vermicomposting using modern techniques and practices. She was able to earn about 2.70lakh. This further inspired her in adding honey bee and other income generating activities and finally augmenting her income to more than double.
Environmental impact	Earned more than 2.7lakhs from her enterprise
Horizontal/ Vertical spread	Nine members of her SHGs wee motivated to see their activities. Now they werealso linked with KVK for taking training as well as to sustain their enterprise Sometimes sheinvolving other programmes as a resource person and being an active member of her SHG she hasinspired many farmwomen and farmers for replicating similar farming system with integratedcombination of all crops and enterprises. She has engaged three regular workers in her farm and she isably supported by her husband and son who regularly market their produce in the weekly marketsthroughout the year. Her unit has also become an attraction among other departments as a model unitand different farmers under exposure visit regularly get inspire from her.
Good quality photographs (2-3)	

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

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

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

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

b. Give details of organic farming practiced by the farmer

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)
1	Rice	1200	Organic rice	230	Yes (local mandi)
2	Ragi	100	Organic ragi	100	Yes (local mandi)
3	Mustard	100	Organic mustard	100	Yes (local mandi)
	Vegetables	100	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 inSoiland Water Testing Laboratory

Sl No	Name of Equipment	Quantity
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	100	100	78	20	

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	Awarenresspro gramme& soil health card distribution	164	5	Collector & DM, MLA, Chairman, ZP, Chairman Muncipality, ADM,	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
1(31.10.2022)	1			AsstAgril Engineer, WMT, SS&Head, &, ProgAsst(Fishey), KVK

3.13. Technology week celebration

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

3.14. RAWE/ FETprogramme - is KVK involved? (Y/N) No

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/ZilaSabhadipati/Other Head of Organization/Foreigners)

Date	Name of the person	Purpose of visit

4. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
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 herbicide Bispyribac sodium increases yield by 14%	68	85	3500	5600
Popularisation of herbicide oxyflurofen in groundnut increases the yield by 20%	120	95	8000	12000
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

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
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 *Khandagiri*	> 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
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	>30ha, 18 villages

potential yield 300 q/ha increases profit upto 15%	
Popularisation of Use of fruit fly trap + spraying of Deltamethrin @ 2ml/lt 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 in case studies

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

Sl. No.	Brief details of technology	Impact of the technology in subjective terms	Impact of the technology in objective terms
1	Backyard poultry var. Kadaknath	Market demand due to quality of the breeds	Farmers acceptance for market demand due to its medicinal value
2	Mushroom production in threshed straw	Getting remunerative enterprise from agriculture bio-product	Utilization of threshed straw for income generation activity.
3	Popularization of Ragi variety Arjuna	Higher yield and income	Replacing the existing varieties due to high yield
4	Popularization of draught tolerant rice variety Swarnashreya	Higher yield than local variety and better grain quality	Able to overcome the draught stress
5	Popularization of Arhar variety PRG-176	Higher yield and shorter duration compared to local variety	Replacement of long duration existing variety UPAS-120
6	Popularization of Tomato variety Arkarakshyak and ArkaSamrat	Higher yield, disease resistance and better keeping quality than ruling varieties.	Resistant to Wilt and leaf blight, higher keeping quality
7	Popularization of cold tolerance Oyster mushroom variety *H. ulmarius*	Higher yield in low temperature	Better performance in lower temperature less than 20^0C

4.4. Details of innovations recorded by the KVK

Thematic area	Small implements
Name of the Innovation	Cycle wheel hoe weeder
Details of Innovator	Single wheel hoe weeder made from front cycle wheel alongwith the handle increases the weeding efficiency by 2 hours in one ha. Area
Back ground of innovation	with heavy migration of farm families and members from the tribal villages to work in industries inside the district and to other parts of the country, there is acute shortage of manpower during the critical stages of vegetable cultivation for the intercultural operations. Weeding operations contribute about 40% of the total cost of production
Technology details	Wheel hoe weeder was modified from used bicycle, handle and front wheel along with the fork, a new hoe was welded to the base of the pedal
Practical utility of innovation	the wheel hoe weeder increased the efficiency by 40 % in intercultural operations especially in vegetables and other line sown crops. One person can now cover 0.2 ha in one hour

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Mushroom & Mushroom Spawn
Name & complete address of the entrepreneur	JatindraBarwa At/Po – Kunmuru, Rajgangpur, Dist – Sundargarh, PIN 770017
Role of KVK with quantitative data support:	• Skill development on Mushroom production, • Facilitation of his skill upgradation with SAU(OUAT) for mushroom spawn production, • Collaborative linkage with line department(Horticulture for Infrastructure development, cold storage, poly house), Agriculture for borewell& other implements, bank-finance. • Five day residential training at KVK for skill updation.
Timeline of the entrepreneurship development	2015-16 :The youth showed interest for mushroom cultivation & approached KVK 2015-16 :Attended training at KVK sponsored by ATMA 2016-17 : Started a small mushroom production Unit in his Backyard Attended advance training on mushroom production at CTMRT, OUAT, Bhubaneswar 2017-18 : Started Mushroom spawn production unit after attending training at CTMRT, OUAT 2018-19 : Attended a 5 day residential training at KVK, Sundargarh-1 Evolved as a master trainer on mushroom for the district 2019-20 : Received state level Award for best emerging entrepreneur 2020-21 : Expanded his spawn & mushroom production unit with assistance from Horticulture & Agriculture Department 2021-22 : The only mushroom spawn producer of the district and has now stepped into liquid mushroom spawn production 2022-23 : Has forayed into cultivation of calocybe mushroom
Technical Components of the Enterprise	• Mushroom spawn laboratory having capacity of 100 bottles/bags per day • Mushroom production unit (Paddy straw & Oyster) of 2000 beds and 500 bags • Packaging house
Status of entrepreneur before and after the enterprise	Before taking-up the enterprise he was earning Rs 50,000/- per annum from Paddy &Arhar, however after the enterprise he is earning Rs 6 lakhs per annum.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	His enterprise has developed into one of the most advanced spawn production unit in the district which employs about 9 labourers on a daily basis along with two skilled worker helping him for spawn production and accounting/managing his business. His enterprise has complete infrastructure for mushroom &spwan production storing and marketing along with modern equipments like laminar flow, Auto clave, well furnished inoculation chamber office rooms, office room etc
Horizontal spread of enterprise	His enterprise supports about 100 mushroom farmers through inputs like spawn, media (Paddy straw, covering sheets, bags etc).He has himself developed his enterprise single handedly which has created a niche among mushroom farmers.

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage

5.2. List of special programmes undertaken during 2022by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq. mt)	Details of production			Amount (Rs.)		Remarks
				Variety/bred	Produce	Qty.	Cost of inputs	Gross income	
1.									
2.									
3.									
4.									
5.									
6.									
7.									
	Total								

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	

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

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

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.		IMC	Fish	3q			
2.							
3.							

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

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

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed:
No. of staffquarters:
Date of completion:
Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Savings (SB) Rev. Fund	State Bank Of India	Sundargarh	30773698636
Current A/C (ATMA)	State Bank Of India	Sundargarh	10969167181
Savings (SB) KVK	State Bank Of India	Sundargarh	39454551215
Savings (SB) OMBADC Project	State Bank Of India	Sundargarh	41274069157
Savings (Mod) Edible Oil scheme	State Bank Of India	Sundargarh	41561150338

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	
Sesamum	1.0		1.0		Nil
Groundnut		1.2		1.2	Nil

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2013
	Kharif	Rabi	Kharif	Rabi	
Greengram		0.90		0.90	Nil

2019.5. Utilization of KVK funds during the year 2022-23(Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	**1,00,80,000**	**1,00,80,000**	**89,17,420**
2	Traveling allowances	**1,20,000**	**1,20,000**	**1,20,000**
3	HRD	**30,000**	**30,000**	**30,000**
4	Contingencies			
A	*Stationary, telephone, postage and other exp. On office running*	4,20,000	4,20,000	4,20,000
B	*POLs, repair of vehicles tractor and equipment.*			
C	*Meals / refreshment for residential and non-residential trainings trainees.*	3,15,000	3,15,000	3,15,000
D	*Training material (need based materials and equipments for conducting the training)*			
E	*Frontline demonstration*	1,58,000	1,58,000	1,58,000
F	*On farm testing (on need based, location specific and newly generated information in the major production systems of the area)*	1,57,000	1,57,000	1,57,000
G	*TSP*	10,00,000	10,00,000	10,00,000
J	Swachhta Expenditure	17250	17250	17250
TOTAL (A)		1,22,97,250	1,22,97,250	1,11,34,670
B. Non-Recurring Contingencies				
1	**Equipments & Furniture**	7,50,000	7,50,000	7,50,000
2	Procurement of Tractor	1,27,000	1,27,000	1,27,000
3	Office equipment and furniture			
4	Works	30,00,000	30,00,000	30,00,000
	Farmers Hostel 1st Installment	4,97,000	4,97,000	4,97,000
	Storage Godown	6,31,000	6,31,000	6,30,772
	Bore well & Irrigation System	4,00,000	4,00,000	4,00,000
	Library	10,000	10,000	10,000
TOTAL (B)		**50,15,000**	**50,15,000**	**50,14,772**
C. REVOLVING FUND				3,56,383
GRAND TOTAL (A+B+C)				

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2018-19	2221	2,02,459	152573	2,51,381
2019-20	2,51,381	3,89,955	1,05,316	2,14,014
2020-21	2,14,014	7,23,325	4,93,826	4,64,412
2021-22	4,64,412	7,28,224	4,19,020	3,64,585
2022-23	3,64,585	10,01,708	3,53,823	6,47,885

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

Nameof activity	Number of activity	Season	With line department	With ATMA	With both
Research-Extension Linkage	9	Kharif& Rabi	9	9	9
Joint Diagnostic Visit Team	5	Kharif	5	5	5
Assessment of coal mining affected crop areas	4	Kharif	4	0	0
Cold Room Verification	8	Kharif& Rabi	8		8
Field verification of Agro shednet& other infrastructure under NHB	12	Kharif& Rabi	12		12
Nursery verification	5	Kharif& Rabi	5	0	5
Potato input verification	2	Kharif& Rabi	2	0	2

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)
BLB	Paddy				
Blast	Paddy				
Sheath Blight	Paddy				
Fall army worm	Maize				

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)
Lumpy skin	Cattle				

9.1. Nehru YuvaKendra(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	22	53354
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	
2.	No. of farmers registered in the portal	
3.	Mobile Apps developed by KVK	
4.	Name of the App	
5.	Language of the App	
6.	Meant for crop/ livestock/ fishery/ others	
7.	No. of times downloaded	

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken

b. Details of Swachhta activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office		
2. Basic maintenance	7	700
3. Sanitation and SBM		
4. Cleaning and beautification of surrounding areas	10	3000
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	4	2000
6. Used water for agriculture/ horticulture application		
7. Swachhta Awareness at local level	3	3600
8. Swachhta Workshops	1	1500
9. Swachhta Pledge		
10. Display and Banner	9	2700
11. Foster healthy competition		
12. Involvement of print and electronic media	27	10000
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)		
14. No of Staff members involved in the activities	10	1500
15. No of VIP/VVIPs involved in the activities	11	0
16. Any other specific activity (in details)		
Total	**55**	

9.6.Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with SeemaSurakshaBal/ 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
SaraswatiSishuVidyaMandir, Sundargarh	3/12/2022	Debate competition in Agriculture scenario in India Recent advances in agriculture	Laptop, LCD, Projector

Give good quality 1-2 photograph(s)

9.9. Details of '*Pre-Rabi Campaign'* Programme

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

9.10. Details of Swachhta Hi Surakshaprogramme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
Campus cleaning, Awareness in villages and schools, Planting with school children, Office cleaning, Waste Management, Clean cultivation,	5	13	Campus cleaning, Awareness in villages and schools, Planting with school children, Office cleaning, Waste Management, Clean cultivation,	12	11

9.11. Details of MahilaKisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Celebration of MahilaKisan Divas	2	30	0	-

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	AmulyaPratapLakra	Bhogra, Kutra- 8908945866	Natural Farming
2	Hirod Patel	Ratanpur - 7750930801	IFS
3	BharatiPruseth	Phuldhudi, Tangarpali - 7684858653	Mushroom
4	AsutoshNaik	Kirei, Sadar - 9938012332	Mushroom
5	JatindraBarwa	Kunmuru, Rajgangpur - 8763075863	Mushroom Spawn

9.13. Revenue generation

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

9.14. Resource Generation:

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

9.15. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
2009	IMD	Defunct (Maintained by GKMS, Sundargarh under RRTTSS, Kirei)

9.16. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Odisha	Sundargarh	Climate smart Agril	1	30	1.Mitigation towards delayed Monsoon by 3 weeks 2. Recommendations for biotic stress tolerant rice varieties like SwarnaShreya, DRR-44 etc 3 Scientific advisory on unprecedented outbreaks of pests like Fall Army worm in Maize and BPH mgt in Rice 4. Advised for mustard crop to utilize the rice-fallow

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)						

11. Details of TSP

a. Achievements of physical output under TSP during 2022-2023

Programmes	Physical achievements
Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	
On-farm trials (Number)	7
Frontline demonstrations (Number)	17
Farmers training (in lakh)	0.02378
Extension personnel training (in lakh)	0.00200
Participants in extension activities (in lakh)	0.11858
Seed production (in tonnes)	4.86
Planting material production (in lakh)	0.88985
Livestock strains and fingerlings production (in lakh)	0.01200
Soil, water, plant, manures samples testing (in lakh)	0.00185
Provision of mobile agro – advisory to farmers (in lakh)	0.53453
No. of otherprogrammes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	18

b. Fund received under TSP in 2022-23 (Rs. In lakh):10.0

c. Achievements of physical outcomeunder TSP during 2022-2023

Sl. No.	Description	Unit	Achievements
1	Change in family income	%	8
2	Change in family consumption level	%	21
3	Change in availability of agricultural implements/ tools etc.	No. per household	4

d. Location and Beneficiary Details during 2022-2023

District	***Sub-district***	***No. of Village***	***Name of village(s)***	***ST population benefitted (No.)***		
				M	***F***	***T***
Sundargarh	Sundargarh	1	Lahandabud,	49	3	52
Sundargarh	Bargaon	3	Talimunda	56	38	94
Sundargarh	Bargaon	1	Barngakachhar	78	14	92
Sundargarh	Tangarpali	1	Katrabudabahal	11	9	20
Sundargarh	Subdega	1	Damkuda	94	43	137
Sundargarh	Lephripara	1	Sahebdera	59	15	74
Sundargarh	Tangarpali	1	Phuldhudi	18	73	91
Sundargarh	Sadar	1	Samina	24	0	24
Sundargarh	Bargaon	1	Jarangloi	33	3	36

12.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

13. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1	Best Farmer	Om NamahSibaya SHG, Phuldhudi	2022	OUAT, Bhubaneswar		KrishiMela& Exhibition

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

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

Sl. No.	Name of the organization / Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1	Saruddhi Fed Farmers Group	U01119OR2022PTC038574 Dated 3/1/2022 under Companies act.	At/Po – Bauridihi, G.P-Kulta, Via-Majhapara, Block-Sadar,Sundargarh	Training, Cpacity Building of Rural Youth & Skill training oncommunity based nursery, community based seed	Rice, Bottlegourd, Greengram, Vegetables	396	6.1	

				village programme				
2	Baba Medheswar Producer company ltd (Women FPO)		Baba Madheswar Producer company ltd (Women FPO)	Training, Cpacity Building of Rural Youth & Skill training oncommunity based nursery, community based seed village programme	Rice, Millets, Vegetables	511	2.65	

16. 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
1	Fruit based farming system	1.0	Banana – 100q	12000	25000	3	87
			Mango – 15q	20000	60000		
			Guava – 2q	8000	10000		
			Vermicompost – 50q	25000	75000		
			Mushroom – 1q	9000	18000		
			Poultry – 600 birds	90000	180000		

17. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	Paddy straw Mushroom Production	❖ Soaking of straw in 2% calcium carbonate for -6 to 8hrs ❖ Maintain the Temperature 25 to 38^{O}C ❖ Maintain the moisture 65% in the bed ❖ Plucking the fruits at bud or half open stage	Rs 1,30,000/- from 1000 bed	750	
2	Oyster Mushroom production	❖ Soaking of straw in 2% calcium carbonate for -6 to 8hrs ❖ Maintain the Temperature 18 to 30^{O}C ❖ Maintain the moisture 65% in the bed	Rs1,10,000/- from 1000bag	650	

	Brooding of Kadaknath bird in backyard (100 birds)	❖ Rearing of fully vaccinated 21 days old chick ❖ Proper feed management	3840/100 birds	120	
	Drought tolerant paddy varSwarnaShreya, Sahabhagi	❖ Line transplanting of paddy ❖ INM & IPM ❖ Variety SwarnaShreya	37620	1200	
	IWM in paddy	❖ Application of PE Pendimethalin @ 0.75 kg/ha at (1 -3) DAT fbPoE application of Chlorimuron ethyl + Metasulfuron methyl @ 4.0 g/ha at 20 DAT	34380	315	
	Demonstration of Ragi variety Arjuna	❖ Variety Arjuna ❖ N:P:K (60:30:30) with STBF ❖ Yield potential 8.0q/ha	13740	1350	

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

	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
Phase	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I (up-to 15.03.2018)					
II (up-to 24.04.218)					
Total					

19. Information on Visit of Ministers to KVKs, if any

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)

20. a) Information on ASCI Skill Development Training Programme, if undertaken during 2022

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		

b) Information on Skill Development Training Programme (Other than ASCI or less than 200 hrs., if any) if undertaken during 2022

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	

21. 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 mainstreamingaddressed through the project

22. Information on KrishiKalyanAbhiyanPhase-III, if applicable

a) Training achievements

Name of KVK	***Period***	***No. of Training on diversified farming practices for doubling farmers' income organized***	***No. of farmers trained***	
			Male	***Female***
	01.01.2022 to 31.12.2022			

b) Other achievements

Sl. No.	**Particulars**	**January, 2022 to December, 2022**
1	Number of demonstrations other than oilseeds and pulses	
2	Number of demonstrations on oilseed crops	
3	Number of demonstrations on pulse crops	
4	Number of farmers trained	
5	Number of participants in Extension activities	
6	Number of farmers for Mobile Advisory	
7	Production of seeds (in quintal)	
8	Production of planting material (Number)	
9	Number of soil sample tested	
10	Number of farmers covered in Climate Resilient villages	
11	Number of farm families covered in Farmer FIRST project	
12	ARYA project: Number of youth trained	
13	ARYA project: Number of entrepreneurial activities started	
14	Number of farm families in DFI villages	

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

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

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

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