PROFORMA FOR ANNUAL REPORT2023 (January-December 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Senior Scientist & Head, Krishi Vigyan Kendra At-Arkabahali Pada Agriculture Farm Dist- Kalahandi Pin-766001 Ph. No-6373568845	--	--	Senior Scientist & Head, Krishi Vigyan Kendra At-Arkabahali Pada Agriculture Farm Dist- Kalahandi Pin-766001 Ph. No-6373568845

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

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

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

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

1.4. Year of sanction of KVK: 1994

1.5. Staff Position (**as on 1st January, 2023**)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist& Head	Dr. Amitabh Panda	Senior Scientist& Head	Horticulture	Basic-Rs.92500/-	17.05.2018	Permanent	OT
2	Subject Matter Specialist	Smt. Tulasi Majhi	Scientist (Horticulture)	Horticulture	Rs15600-39100/-AGP6000/-Present Basic-Rs.23950/-	22.05.2012	Permanent	ST
3	Subject Matter Specialist	Sri TribijayiBadjena	Scientist (Agril. Extn)	Agril. Extension	Rs. 82200/-	01.08.2022	Permanent	OT
4	Subject Matter Specialist	-	-	-	-	-	-	-
5	Subject Matter Specialist	-	-	-	-	-	-	-
6	Subject Matter Specialist	-	-	-	-	-	-	-
7	Subject Matter Specialist	-	-	-	-	-	-	-
8	Programme Assistant	Smt. Shubhasri Sahoo	Programme Asst. (Home science)	Home science	Rs. 35400-112400/-	04.07.2023	Permanent	OT
9	Computer Programmer	-	-	-	-	-	-	-
10	Farm Manager	-	-	-	-	-	-	-
11	Accountant / Superintendent							
12	Stenographer	Sri Shyama Sundar Tudu	Jr. Steno-cum-Computer Operator	BA	25500/--81100/-32300/-	07.07.2023	Permanent	ST
13.	Driver	Sri Keshaba Chandra Sa	Driver-cum-Mechanic	10th	21700-69100/-Present Basic-28400/-	19.07.2008	Permanent	OBC
14.	Driver	Sri Pradeep Kumar Pradhan	Driver-cum-Mechanic	10th	21700-69100/-	27.07.2015	Permanent	OT
15.	Supporting staff	Sri Bhuta Naik,	Peon-cum-Watchman	8th	Rs.16600-52400/-Present Basic-24300/-	26.07.2008	Permanent	SC
16.	Supporting staff	Sri Sangita Goud,	Peon-cum-Watchman	8th	Rs. 4750-14680/-AGP Rs.1700/-	28.11.2014	Permanent	OBC

1.6. Total land with KVK (in ha) :

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

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building	Completed	Completed	Completed	Completed	Completed	5929	Used	ICAR
2.	Farmers Hostel	Completed	Completed	Completed	Completed	Completed	756.25	Used	ICAR
3.	Staff Quarters (6)	Completed (02no.)	Completed	Completed	Completed	Completed		Used	ICAR
4.	Piggery unit	Not yet started	--	--	--	--	--	--	--
5	Fencing		--	--	--	--	--	--	--
6	Rain Water harvesting structure	Not yet started	--	--	--	--	--	--	--
7	Threshing floor	Completed	Completed	Completed	Completed	Completed	210	Used	RKVY
8	Farm godown	Completed	Completed	Completed	Completed	Completed		Used	ICAR
9.	Dairy unit	--							
10.	Poultry unit	Completed	Completed	Completed	Completed	Completed	250	used	RKVY
11.	Goatary unit	ongoing							
12.	Mushroom Lab	Completed	Completed	Completed	Completed	Completed	31.72	Used	RKVY
13.	Mushroom production unit	Completed	Completed	Completed	Completed	Completed	35.0	Used	RKVY

14.	Shade house						92.4		
15.	Soil test Lab	Completed	Completed	Completed	Completed	Completed	40.0	Used	ICAR
16	Portable carp hatchery	Completed	Completed	Completed	Completed	Completed		Not used	RKVY
17	Portable hatching unit (Poultry)	Not yet started	Completed	Completed	Completed	Completed		Not used	NICRA

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero	2023		14550	Running condition
Tractor	2019		915 hrs	Running condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Nitrogen analyser	2003	2,70,000	All the equipment are in functional condition except Nitrogen analyser and incubator	ICAR
Spectrophotometer	2003	65,000		ICAR
Ph meter	2003	4400		ICAR
Conductivity Meter	2003	5500		ICAR
Hot air oven	2003	16,000		ICAR
Chemical balance	2003	12,000		ICAR
Mechanical shaker	2003	14,000		ICAR
Water Bath	2003	12,000		ICAR
Incubator	2003	45,000		ICAR
Mridaparikshak kit	2017	90,300		ICAR
Autoclave (Fully automatic)	2011	62,000	Functional condition	RKVY
Hot air oven	2011	15,000	Functional condition	RKVY
Laminar Air Flow	2011	49,000	Functional	RKVY

			condition	
Weighing Balance	2011	5400	Functional condition	RKVY
b. Farm machinery				
Rotavator	2005	7,00000	Functional	ICAR
cultivator	2019	16,953	Functional	ICAR
MB plough	2005	31,000	Functional	ICAR
Power sprayer	2018	9500	Functional	ICAR
c.AV Aids				
Projector Epson S3	2018	30,900	AV aid is in functional condition	ICAR

D) Farm implements

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

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.	20.01.2023	35	Popularization of low water requiring crops and fodder	▪ Four no of F &FW training were conducted covering 100 no. of beneficiaries on cultivation and management of fodder crops (village: Tentulipada, Badchirang, Rengali, Burat). ▪ Low cost silage was demonstrated at village Sikergudacovering	

				20 nos. farmers. With collaboration with NABARD and an FPO Bamunikhal, one silage processing unit with capacity of 2500 quintal was established which benefited fifty nos. of farmers around the village. ▪ In collaboration with ICARDA low water requiring fodder crops like spine less cactus was demonstrated was conducted at Th. Rampur block covering 40 nos. of farmers ▪ Demonstration on dragon fruit was conducted covering 30 nos. of farmers (Vill: Khairabadi, Indramal, Rengali) Four no of farmer& farm women training is conducted covering 100 no. of beneficiaries on dragon fruit cultivation.	
2			Promotion of Natural farming	▪ Eight nos. of demonstrations on natural farming conducted at villages; Kanakpur, Kendugupka, Dumerguda, M.Rampur (No. of beneficiaries-30), Area- 2ha ▪ Four nos. of awareness was conducted covering 200 nos. of farmers at village kenduguka, Kamthana, khaing and M.Rampur ▪ Training cum method demonstration programme was conducted to aware and educate the farmers about natural farming followed by field visit (No. of farmers 110). ▪ Technical bulletin on natural farming was published for distribution among farmers ▪ District 2000 Ha covered under BPKP. Farmers -2500	
3			Emphasis should be on Kharif onion cultivation in suitable agro-ecological pockets of the district	▪ On farm testing on varietal assessment of high yielding variety of Kharif onion (Var. Bhima Super & L-883) was conducted (Village : and Gandamer,ChahakaGolamunda. No. of beneficiaries: 7) in Kharif, 2022. Area-0.8Ha ▪ Training cum method demonstration programme was conducted to aware and educate the farmers about the relative	

				advantage of kharif onion cultivation followed by field visit to the onion grower. ▪ Visualizing the potential of kharif onion in the district horticulture department also have distributed onion seeds (var. Agri Found dark Red) in a subsidized rate. ▪ In the year 2022-23, Approximately of 160 ha of land is covered under kharif onion in the district. ▪ Technical bulletin on scientific cultivation of kharif onion was published for distribution among onion growers.	
4			Breed evaluation of semi intensive poultry chicks suitable for backyard conditions in tribal pockets.	▪ On farm testing low input dual type chicken breeds (Chhabro and Kaveri) in semi-intensive rearing system was conducted at village Kendugupka and Majhiguda covering 10 no of farmers. ▪ Front line demonstration on poultry bird Aseel was conducted at village Tentulipada, Rengali and Burat covering 13 nos. of farmers. ▪ Kalinga brown breed of poultry birds (1500 nos. were supplied to beneficiaries (SHG and individual) under Dept. of Animal Husbandry of Kalahandi. ▪ Under revolving fund, 4050 no. of poultry chicks (i.e Kalinga brown, Aseel, Sonali etc.) was supplied to the farm families in the year 2022-23. ▪ Four no of F&FW training was conducted covering 100 no. of beneficiaries on rearing and brooding management in poultry.	
5			Special focus on management of major pest and disease of important crops	▪ A total of 08 no of training cum method demonstration programme was conducted including 200 no of beneficiaries. ▪ Diagnostic field visit was conducted in collaboration with agriculture department to examine the BPH infestation of in Kharif rice in Karlamunda ,jaipatna, Kesinga, Junagarh block. ▪ Demonstration on Integrated management of fall army worm in	

				kharif maize was conducted in DFI village Rengali of Kesinga block. ▪ FLD on management on pod borer complex inarhar and pink boll worm in cotton was demonstrated in Boria, Rengali, Kamthana village (Beneficiaries:50). ▪ Technical guidance on diseases pest management through social network app (Whatsapp group, text message, audio and video message, youtube channel NRRI-Barta). Technical advisory (voice call) in collaboration with Reliance foundation.	
6			Promotion of location specific Integrated Farming system (IFS) model in adopted villages in convergence mode	▪ Two no. of Integrated Farming system (IFS) model was developed in DFI village by KVK, Kalahandi ▪ Pond based farming system (Fishery+ horticulture) at village Dhaner, Dharmagarh. Sj. Aditya Kumar Sahu ▪ Fruit based farming system (Horticulture+ Agriculture) at village Boria, Kesinga. Sj. Indubhuwas swain ▪ With collaboration of horticulture department Horti-silvi based farming system (Horticulture+ Forestry) model is developed at village Ghantabahali, Junagarh . ▪ In the year 2022-23 watershed, Kalahandi has developed a total of 22 IFS units/farm pond in 4 blocks namely Bhawanipatna, in technical collaboration with KVK, Kalahandi. ▪ Off campus and on campus Training programmes were conducted on “Rice based IFS.” involving 40 nos. trainees.	
7			Promotion of popular varieties of seeds, quality planting material and breeds of poultry.	▪ Demonstration on grafted tomato, brinjal was conducted at Tentulipada village of Bhawanipatna block. (No. of beneficiaries:13) Area-2Ha ▪ 2000 nos. of Sonali, kalinga brown, Kuroiler, kadaknathpoultry	

				birds were distributed to farmers under SC-SP activities ▪ 4000 nos. of oyster mushroom spawn were also distributed among farmers under SC-SP programme. ▪ 200 nos. of apple ber, 500 nos. of moringa plants and 300 nos. of dragon fruit (var. red) were distributed among tribal farmers at Rengali, Burat, Bindaniguda and Badchirang village.	
8			KVK and department participation for strengthening the technical knowledge on processing and marketing for FPOs.	▪ Three days orientation programme on FPO management and game plan to Boards of directors and CEO of 6 FPOs (No. of participants: 30) ▪ Interaction with BODs and CEO for gap analysis of FPOs was conducted covering 40 nos. of participants. ▪ Three nos. of training on Oyester mushroom cultivation and marketing through FPO was conducted covering 75 nos. of farmers. ▪ In collaboration with NABARD and Mahashkati Foundation, training cum awareness programme on importance of FPO on Agri-marketing was conducted covering 200 nos. of farmers.	
9			Institutional linkage of KVK with the line department should be strengthened	▪ District level Research-Extension interface meeting is conducted inliason with all department . ▪ Agriculture Dept.- Diagnostic field visit, E-pest surveillance, crop cutting and field day celebration and Resource sharing etc. ▪ Horticulture Dept.- inspection of private nursery, capacity building programme and joint field visit. ▪ Veterinary Dept.- Training programme, pranisampark mela and jointly organising animal health camp and supply of elite poultry birds. ▪ NABARD- monitoring the WADI programme and technical guidance to the farmer group. ▪ Watershed: Joint field visit and monitoring agricultural	

				programme and sharing of technical knowhow ▪ Leading NGOs- Attending sponsored training programmes, virtual meetings and video calls, farmers scientist interaction, meetings, workshops and assessing field activities etc	
10			Processing and value addition of horticultural produce. .	▪ Three residential training programme was conducted on processing and value addition of Mushroom, Tomato and Drumstick involving 50 no of participants. ▪ To mitigate nutritional security and to promote millet cultivation in tribal areas, Odisha millet mission programme is operated in Kalahandi district approximately an area of 5812 ha. A convergence training was conducted on value addition and processing of millets involving WSGH . ▪ In collaboration with ORMAS a district level meeting was organized for procurement of dehydrated mushroom to avoid distress sale of oyster mushroom. ▪ Visualizing the distress sale of Chironji seed in the district, attempt is taken for processing of chironji through seed decortications.	

** 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 (2023)

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

		Red Soil, High Rainfall, Medium elevation Red Soil, High Rainfall, High elevation Red &Yellow Soil, High Rainfall, Medium elevation Black Soil, Medium Rainfall, Medium elevation Black Soil, High Rainfall, Medium elevation Alluvial Soil Forest Soil
4	Soil type	Red soil, mixed red & yellow and black soil
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Paddy – 42.0 Maize-34.9 Pigeonpea-9.2 Greengram-6.5 Groundnut- 19.7 Sunflower-14.6 Banana- 215.6 Mango-41
6	Mean yearly temperature, rainfall, humidity of the district	Temperature Max -32.7^{0}C Min-20.6^{0}C Humidity Max -68.9% Min-61.3% Rainfall :1208.6 mm
7	Production of major livestock products like milk, egg, meat etc.	Production of milk (in TMT) Cow-62.63, Buffallo-18.41, Production of Egg (in million nos.) C.P- 62.50, B.P-46.51, Production of Animal Meat (in TMT) Sheep-0.95, Goat- 1.50

Note: Please give recent data only

2.b. Details of operational area / villages (2023)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1	Tentulipada	Bhawanipatna	Tentulipada	Paddy, Cotton, Greengram Onion and seasonal vegetable	• High weed infestation in rice • Low yield due to moisture trace condition • Low yield due to Severe infestation of sucking pest in cotton • High cost involved in cotton harvesting (charges towards Labour cost) • Limited use of fertilizer • Low yield due to high bacterial wilt • Low yield due to • Infestation of sucking pest in vegetable crop	Weed Management Conservation of soil moisture Suitable cropping system Pest and disease management Farm machinery in harvest and post harvest operation Integrated nutrient management
2	Rengali	Kesinga	Rengali	Paddy Cotton Pigeonpea Vegetables	• Low yield due to Severe infestation by different insect pests like SB, BPH, WBPH,LF, GM • Low yield due to Random application of Fertilizers	Integrated disease pest management Nutrient management

				Animal Husbandry	• Less market demand of green colour ripened banana • Indiscriminate application of non targeted pesticide in improper dose and improper application • Less return due to Distress sale during harvesting • Low milk yield due to Poor feeding management • Low body weight gain due to high incidence of worm infestation • Lack vaccination and deworming in livestock • Improper feeding to livestock	Processing and preservation Proper application of insecticide Market led agriculture Off season farming Feed and health management Vaccination and health management
3	Dhaner	Junagarh	Dhaner	Paddy Vegetables Pulses Fruits Animal husbandry	• Low yield due to Weed Infestation • Low yield due to high pest incidence due to lack of knowledge about proper pest surveillance method in proper time • Low yield due to incidence of mosaic virus in cowpea • Infestation of mite at reproductive stage of chilli • Low yield due to Irregular bearing of Mango • Low milk yield due to poor disease management • Low body weight gain due to poor genetic makeup of local goat	Weed management Pest and disease management in vegetable crops Production of organic inputs and organic farming Low cost feed management Feed and health management
4	Bindhaniguda	Jaipatna	Bindhaniguda	Paddy Pigeonpea Maize Blackgram vegetable Animal husbandry	• Low Yield due to Use of susceptible variety and YSB in tillering stage • Low yield due to Severe infestation of pod borer complex during flowering time • Poor seed setting and small cub size • Banded leaf and sheath blight • High mortality of mother and its kid due to high incidence of PPR goat pox • Low income from backyard poultry due to Rearing of desi birds • Low body weight gain due to poor feeding management	Use of HYV and pest management practices Pest management Crop management Disease management Feeding management Rearing of semi intensive poultry chicks
5	Badachergaon	Golamunda	Badachergaon	Paddy, Maize, Cauliflower, Groundnut Greengram Brinjal watermelon	• Low yield due to high pest incidence due to lack of knowledge about proper pest surveillance method in proper time • Low yield due to high incidence of Pest - FAW (Fall Army Worm) • Low yield due to Collar rot infestation during Kharif season • Low yield due to incidence of wilt	Integrated pest management Integrated disease management Crop management practices Micronutrient management practices Use of organic products

					• Less no. of female flower and fruit set in watermelon	

2. c. Details of village adoption programme:

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

Name of village	Block	Activities taken up for development
Tentulipada	Bhawanipatna	• Assessment of management practices for control of foliar disease in ground nut • Assessment of Biofortified sweet potato varieties fr nutritional security • Assessment of herbicides for weed management in transplanted medium land rice • Demonstration of high yielding rice variety Sarunima • Demonstration on IWM in Cotton in rainfed upland • Demonstration of dragon fruit cultivation • Demonstration on suitable fungicidesfor management of blast disease in Paddy
Rengali	Kesinga	• Assessment of Effect on foliar application of micronutrient on growth and yield ofBittergourd • Assessment of Decomposer for residue management in Rice • Assessment the performance of FPOs with varied level of task and commodity toenhance income • Demonstration on IWM in Cotton in rainfed upland • Demonstration on vegetable seedling raising under poly tunnel • Demonstration of dragon fruit cultivation
Dhaner	Junagarh	• Assessment of Decomposer for residue management in Rice • Assessment of herbicides for weed management in transplanted medium land rice • Demonstration of high yielding rice variety Sarunima • Demonstration on Arka Banana special on yield and quality of fingers
Bindhaniguda	Kalampur	• Assessment of integrated management of leaf curl diseases in chilli • Assessment of Biofortified sweet potato varieties fr nutritional security

		• Assessment of Effect on foliar application of micronutrient on growth and yield ofBittergourd • Assessment of effectiveness of different models of seed production programmes • Demonstration on Arka Banana special on yield and quality of fingers • Demonstration of high yielding watermelon variety Arka Akash • Demonstration of dragon fruit cultivation
Badchergaon	Golamunda	• Assessment of herbicides for weed management in transplanted medium land rice • Assessment of herbicides for weed management in transplanted medium land rice • Assessment of effectiveness of different models of seed production programmes • Assessment the performance of FPOs with varied level of task and commodity toenhance income • Demonstration on IWM in Ragi in rainfed upland • Demonstration on Integrated management of panamawilt of banana

2.1 Priority thrust areas

S. No	Thrust area
1.	Short window for agricultural operation (Kharif).
2.	Crop diversification in upland Rice to Pulse, Cotton, Vegetables, Fruits.
3.	Lack of suitable variety of Rice for proper land situation
4.	Non availability of suitable cold tolerant variety for Rabi green gram
5.	High menace of sporadic pest and disease.
6.	Non availability of cold storage and ripening chamber facility.
7.	Breed up gradation in small ruminants.
8.	Low cost feed for small and large ruminants
9.	Prevalence of lumpy skin disease in cattle
10.	Timely availability of fish seed.

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
08	08	56	6	2	8	4	28	8	42	14	56	16	16	208	31	22	28	31	59	37	118	90	208

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
94	94	94	355	247	435	402	510	556	1300	1205	2505	310	306	310	50	45	42	50	64	59	156	154	310

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

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
310	310	121600	121800

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

Target	Achievement	Target	Achievement
		200	202

* 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	02	-	02	-	02	-	-
Seminar/conference/ symposia papers	-	-	-	-	-	-	-
Books	03	-	-	-	-	-	-
Bulletins	-	-	-	-	-	-	-
News letter	-	-	-	-	-	-	
Popular Articles	01	-	-	-	-	-	-
Book Chapter	-	-	-	-	-	-	-
Extension Pamphlets/ literature	-	-	-	-	-	-	-
Technical reports	03	30	-	-	-	-	-
Electronic Publication (CD/DVD etc)	-	-	-	-	-	-	-
TOTAL	09	30	02	-	02	-	-

3.1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessment of herbicides for weed management in transplanted medium land rice
2.	Problem diagnosed	Low Yield due to heavy weed infestation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP-Application of Butachlor @1kg a.i/ha TO-1-PoE application of pre-mix herbicide (Cyhalofop butyl +Penoxulam) PE application of herbicide Pendimethalin and PoE application of pre-mix herbicide

4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	SLREC proceeding , OUAT, 2020
5.	Production system and thematic area	Rice-greengram and Weed Management
6.	Performance of the Technology with performance indicators	WCE(%), Weed index, panicle length, No of grain/panicle, Yield, B:C ratio,Net profit
7.	Final recommendation for micro level situation	The WCE of TO-2 i.e application of herbicide Pendimethalin and PoE application of pre-mix herbicide (Chlorimuron ethyl + metasulfuron methyl performing better than TO-1
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Group meeting and demonstration

Thematic area:

Problem definition: Low Yield due to heavy weed infestation

Technology assessed: **(TO-I):**Application of pre-mix (Cyhalofop butyl + penoxulam) @135g/ha at 20DAT
(TO-II): Pre-emergence application of pendimethalin @0.75kg a.i/ha followed by Post-emergence application of pre-mix (Chlorimuron ethyl + metsulfuron methyl)@ 4gm/ha @20DAT

Table:

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of Seeds/panicle	WCE(%)					
FP	-	12.2	173.8	72.1	35.6	49692	71200	21508	1.45
TO1	7	16.1	196.2	80.3	39.7	45710	79400	33690	1.78
TO2	7	18.8	219.1	85.5	41.8	44805	83600	38795	1.92

Results:

Good quality photographs of different treatments:

OFT-2

1.	Title of On farm Trial	Assessment of Decomposer for residue management in Rice
2.	Problem diagnosed	Residue burning and delayed field preparation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP- Residue burning/ Flooding followed by incorporation. TO1: Prepare PUSA decomposer (750g jaggery + 25 lit water + 250g pulse powder + 20 capsules). After 10days mix with 500l of water and sprinkle for 1 ha. TO2: Make solution of NRRI decomposer 1 kg, Urea 5kg, Cow dung 10kg in 100 litre of water each for 1MT residue. Sprinkle above NRRI decomposer -20 L, Urea-10 L, Cow dung-10 L in 5 layers (15-20cm) of residue. Sprinkle 100-150l water on pile once in 5days.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IARI, ICAR,2020 NRRI,2021
5.	Production system and thematic area	Rice-Fallow & Crop Management
6.	Performance of the Technology with performance indicators	Period of decomposition ,soil microbial properties, Soil organic carbon, Yield(q/ha), Net Return, B:C ratio
7.	Final recommendation for micro level situation	-
8.	Constraints identified and feedback for research	The process of application of pusa decomposer is handy
9.	Process of farmers participation and their reaction	Group Discussion

Thematic area:

Problem definition: Residue burning and delayed field preparation

Technology assessed: TO1: Prepare PUSA decomposer (750g jaggery + 25 lit water + 250g pulse powder + 20 capsules). After 10days mix with 500l of water and sprinkle for 1 ha.

TO2: Make solution of NRRI decomposer 1 kg, Urea 5kg, Cow dung 10kg in 100 litre of water each for 1MT residue. Sprinkle above NRRI decomposer -20 L, Urea-10 L, Cow dung-10 L in 5 layers (15-20cm) of residue. Sprinkle 100-150l water on pile once in 5days

Table:

Technology option	No. of trials	Yield component		Decomposition % (Within 2 months)	Period for complete Decomposition	Cost of Investment
		Initial Soil organic Carbon (%)	Fina Soil organic Carbon (%)			
FP	-	0.40	0.40	-	-	0
TO-1	7	0.40	0.44	45%	2-3 months	2400
TO-2	7	0.40	0.41	65%	3-4 months	3200

OFT-3

1.	Title of On farm Trial	Assessment of Effect on foliar application of micronutrient on growth and yield of Bittergourd
2.	Problem diagnosed	Low yield due to no use of secondary nutrients and micro nutrients
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Use of NPK (120:60:60) as basal application without any micronutrient TO1: Foliar application of mixture of micronutrients involving Zn, Mo, Cu, Fe and Mn (50 ppm of Mo and 100 ppm each of rest 4 micronutrients) TO2: Combined application of micronutrients B and Zn @ 100 ppm each.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	To1- OUAT, Annual Report, 2014-15, To2- IIVR, Annual Report, 2017-18

5.	Production system and thematic area	Vegetable-Vegetable , Production management
6.	Performance of the Technology with performance indicators	Yield(q/ha), Fruit yield/ Plant(Kg)
7.	Final recommendation for micro level situation	Combined application of micronutrients B and Zn @ 100 ppm each
8.	Constraints identified and feedback for research	Research on micronutrients for other horticulture crop to be taken up
9.	Process of farmers participation and their reaction	Farmer get 36.1 % higher yield in combine application of micronutrient B & Zn @100ppm each

Thematic area:

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

Technology assessed: TO1: Foliar application of mixture of micronutrients involving Zn, Mo, Cu, Fe and Mn (50 ppm of Mo and 100 ppm each of rest 4 micronutrients) TO2: Combined application of micronutrients B and Zn @ 100 ppm each

Table:

Technology option	No. of trials	Yield component		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Fruit wt (g)	No. of Fruit/Plant					
FP	-	58.2	32	82.7	96200	317200	221000	2.2
TO-1	7	89.4	49	108.9	99400	347900	248500	2.5
TO-2	7	92.3	52	112.6	98900	357200	258300	2.6

OFT-4

1.	Title of On farm Trial	Assessment of Bio fortified sweet potato varieties for nutritional security
2.	Problem diagnosed	No supplement of fortified elements
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP : Local variety Talmula Kanda To1 : Cultivation of Bhu sona Bhu sona High Beta carotene (14.0 mg/100g) content as compared to 2-3 mg/100g beta carotene in popular varieties , tuber yield 19.8 t/ha, dry matter- 27-29%, starch-20% Total sugar- 2-2.4 To2 : Cultivation of Bhu Krishna Bhu Krishna High anthocyanin (90mg/100 g) tuber yield18t/ha, dry matter- 24.5- 25.5%, starch- 19.5%, total sugar1.9-2.2% and salinity stress tolerant
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CTCRI, 2017
5.	Production system and thematic area	Paddy- Vegetable,Varietal evaluation
6.	Performance of the Technology with performance indicators	Tuber Yield (q/ha), colour of the flesh, length of the tuber (cm)
7.	Final recommendation for micro level situation	Cultivation of Bhu Krishna Bhu Krishna High anthocyanin (90mg/100 g) tuber yield18t/ha, dry matter- 24.5- 25.5%, starch- 19.5%, total sugar1.9-2.2% and salinity stress tolerant
8.	Constraints identified and feedback for research	Farmers prefers Sweet potato var. Bhu Krishna more taste than Bhu sona
9.	Process of farmers participation and their reaction	-

Thematic area:

Problem definition: No supplement of fortified elements

Technology assessed: To1 : Cultivation of Bhu sona Bhu sona High Beta carotene (14.0 mg/100g) content as compared to 2-3 mg/100g beta carotene in popular varieties , tuber yield 19.8 t/ha, dry matter- 27-29%, starch-20% Total sugar- 2-2.4

To2 : Cultivation of Bhu Krishna Bhu Krishna High anthocyanin (90mg/100 g) tuber yield18t/ha, dry matter- 24.5- 25.5%, starch- 19.5%, total sugar1.9-2.2% and salinity stress tolerant

Table:

Technology option	No. of trials	Yield component		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Length of tuber (cm)	Tuber wt (g)					
FP	-	7.9	64.2	89.2	20500	70964	50464	2.4
TO-1	7	8.4	98.7	120.7	52808	184828	132020	2.5
TO-2	7	8.9	102.1	132.4	55500	208580	153080	2.7

OFT-5

1.	Title of On farm Trial	Assessment of management practices for control of foliar disease in ground nut
2.	Problem diagnosed	Severe defoliation and premature aging of plant due to incidence of major foliar diseases
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers practice: Spraying of Metalaxyl 8%+Mancozeb 64% @ 2-3 gm/litre water after disease appearance. TO1: Seed treatment with Tebuconazole @ 1.5 g/kg followed by furrow application of T. viride @ 4kg enriched in 50kg FYM/ha as basal application, then broadcasting of T. viride @ 4kg enriched in 250kg FYM/ha at 40 DAS & 2 sprays of Tebuconazole @ 1ml/lit. starting from initiation of oliar diseases and 2nd spray at 15 days interval. TO2: Seed treatment with Tebuconazole 2DS @1.5g/ kg seeds + spraying Tebuconazole 50% + Trifloxystobin 25% WG @ 1.32g/L at 40 and 65 DAS)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Annual Report, OUAT, 2016, SLREC, AICRP onGround nut 2018, OUAT
5.	Production system and thematic area	Paddy- Greengram, Disease management

6.	Performance of the Technology with performance indicators	Percentage disease index, disease severity
7.	Final recommendation for micro level situation	Seed treatment with Tebuconazole 2DS @1.5g/ kg seeds + spraying Tebuconazole 50% + Trifloxystobin 25% WG @ 1.32g/L at 40 and 65 DAS give 10% more yield
8.	Constraints identified and feedback for research	Research on IDM of other important crop of the district should be undertaken
9.	Process of farmers participation and their reaction	-

Thematic area:

Problem definition: Severe defoliation and premature aging of plant due to incidence of major foliar diseases

Technology assessed: TO1: Seed treatment with Tebuconazole @ 1.5 g/kg followed by furrow application of T. viride @ 4kg enriched in 50kg FYM/ha as basal application, then broadcasting of T. viride @ 4kg enriched in 250kg FYM/ha at 40 DAS & 2 sprays of Tebuconazole @ 1ml/lit. starting from initiation of oliar diseases and 2nd spray at 15 days interval.

TO2: Seed treatment with Tebuconazole 2DS @1.5g/ kg seeds + spraying Tebuconazole 50% + Trifloxystobin 25% WG @ 1.32g/L at 40 and 65 (DAS)

Table:

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		PDI in% Collar rot	PDI in% rust	PDI in% Tikka					
FP	-	1.84	3.02	12.86	14.12	23200	72118	48918	2.1
TO-1	7	1.61	2.13	8.00	14.91	23300	79386	56086	2.4

TO-2	7	1.22	1.11	5.71	15.66.	23000	81610	58610	2.5

OFT-6

1.	Title of On farm Trial	Assessment of integrated management of leaf curl diseases in chilli
2.	Problem diagnosed	Severe reduction in leaf area along with stunting of whole plants due to severe infestation of sucking pests in chilli.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers practice: Tank mixing of pesticides like Imidacloprid 17.8 SL @ 10ml/15 litre, Chloropyriphos 20 EC @ 2ml/litre, Cypermethrin 25 EC etc TO1: Foliar spray of Spiromesifen 22.9% SC @500 ml/ha TO2: Seed treatment with Imidachloprid 600FS @ 5ml /kg seed and Foliar spraying of spiromesifen 22.9%SC @ 1 ml/ l of water twice at 30and 45 DAT
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	RRTTS, BBSR,2016, SLREC Proc. 2016, SLREC, RRTTS(CZ), OUAT,2019
5.	Production system and thematic area	Paddy- Vegetable, Disease management
6.	Performance of the Technology with performance indicators	% disease index, disease severity
7.	Final recommendation for micro level situation	Spraying of Spiromesifen 22.9% SC @ 1ml/L of water decreases the thrips and mite incidence in plant
8.	Constraints identified and feedback for research	Use of seed treatment methods and spraying of fungicides during disease development has resulted in more than 14% increase in yield
9.	Process of farmers participation and their reaction	-

Thematic area:

Problem definition: Severe reduction in leaf area along with stunting of whole plants due to severe infestation of sucking pests in chilli.

Technology assessed: TO1: Foliar spray of Spiromesifen 22.9% SC @500 ml/ha

TO2: Seed treatment with Imidachloprid 600FS @ 5ml /kg seed and Foliar spraying of spiromesifen 22.9%SC @ 1 ml/ l of water twice at 30and 45 DAT

Table:

Technology option	No. of trials	Yield component		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Mites/leaf	Thrips per leaf					
FP	-	2.87	1.66	12.84	12800	36160	23360	1.8
TO-1	7	0.77	0.97	13.91	13800	41340	27540	1.9
TO-2	7	0.23	0.53	14.63	14500	44520	30020	2.0

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	Varietal evaluation	Demonstration of high yielding rice variety Sarunima (CR Dhan 210) Cultivation of rice variety Sarumina (CR Dhan 210). Duration -110-115 days, Average Yield- 7.8 t/ha , long slender grains, The seed rate 50 kg/ha, spacing 20x10cm and use of RDF (80:40:40) N:P2O5:K2O (kg/ha).	0.4	0.4										
2	cotton	Weed Management	Demonstration on IWM in Cotton in rainfed upland condition Application of pendimethalin @ 1.0 Kg a.i./ ha	2	2										

			as pre-emergence with Quizalofop-p-ethyle @ 50g a.i./ ha and one hand weeding at 45 DAS.						
3	Ragi	Weed Management	Demonstration on IWM in Ragi in rainfed upland Pre emergence application of oxyflurofen @ 37.5 g a.i./ha + one hand weeding at 45 DAT	0.4	0.4				
4	Mustard	Varietal Evaluation	Demonstration on toria variety Sushree in Rainfed medium land. Toria variety Sushree (Toria variety ORTM(m)-7-2 released in the name of Sushree with the average yield of 1380 kg/ha, Oil content 42% , duration 85days. Suitable for late sown.)	10	10				
5	Greengram	Crop Management	Demonstration on foliar application of soluble fertilizers in rabi Greengram Foliar application of 2% 19:19:19(N:P:K) at flower initiation stage and 15 days after 1st spray.	2.4	2.4				
6	Marigold	Varietal evaluation	Performance of Marigold variety Bidhan Marigold-2 Bidhan Marigold 2 (orange) is compact flower, heat tolerant and suitable for round-the-year production. It produces maximum no of flower per plant (128flower)	0.4	0.4				
7	Banana	Crop Management	Demonstration on Arka Banana special in Banana plants foliar spray of arka banana special from 4-5 months of planting at monthly interval @5 g/litre of water.	0.4	0.4				
8	Vegetable seedling	QPM	Demonstration on vegetable seedling raising under poly tunnel Preparation of low cost poly tunnel by using 200 micron polythene (vegetable seeds like tomato, brinjal, chilly)to be grown	0.4	0.4				
9	Onion	Disease Management	Demonstration on management of purple blotch disease in onion Seed treatment with Carboxin37.5% +Thiram 37.5% (0.2%) +three foliar spraying with Tebuconazole 25 EC (0.1%) at 15days interval starting frominitiation of the infection	0.4	0.4				

10	Tomato	Crop Management	Demonstration on management of nematode in tomato Application of carbofuran @ 0.3 ga.i/ m2 in nursery followed by application of neem cake @ 1.0 ton/ha in main field	0.4	0.4				
11			Demonstration of Rotary maize sheller to reduce drudgery of WSHGs Manual operated rotary maize sheller	13	13				

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Rice	Kharif	Rainfed Upland	Clay Loam	332	15	267	Rice	2nd week of December	1st week of March	9.2	2
Cotton	Kharif	Rainfed Upland	Clay Loam	282	15	215	Cotton	3rd week of July	1st week of December	744.6	60
Ragi	Kharif	Rainfed Upland	Clay Loam	288	22	229	Ragi	1st week of July	2nd week of November	1048	71
Greengram	Kharif	Rainfed	Black soil	169	47	210	Greengram	2nd week of june	2nd week of December	1048	71
Marigold	Kharif	Rainfed	Sandy loam	172	42	200	Marigold	1st week of september	1st week of December	890.5	52
Banana	Summer	Irrigated	Clay loam	202	87	220	Banana	2nd week of February	continuing	9.2	2
Vegetable seedling	Kharif	Rainfed	Black soil	197.5	48.58	133.0	Vegetable seedling	2nd week of june	2nd week of December	1048	71
Onion	Kharif	Rainfed	Sandy loam	169	47	210	Onion	4th week of June	1st week of october	1048	71
Tomato	Rabi	Irrigated	Sandy loam to black soil	404.84	29	367	Tomato	2nd week of October	1st week of February	9.2	2

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

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Toria	Varietal Evaluation	Toria variety Sushree (Toria variety ORTM(m)-7-2 released in the name of Sushree with the average yield of 1380 kg/ha, Oil content 42% , duration 85days. Suitable for late sown.)	13	5	5.34	4.36	22.47	13979	26700	12721	1.91	12674	21800	9126	1.72
Total			13	5	5.34	4.36	22.47	13979	26700	12721	1.91	12674	21800	9126	1.72

* 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

Pigeon pea	Crop Production	Sowing Pigeonpea var LRG-52, Line sowing of seed with spacing 75cmx60cm. Application of vermicompost @ 2.5q/ha to raise organic carbon of the soil. Application of Post emergence herbicide Propaquizafop @ 1.0 per ha followed by two hand weeding after 25 DAS & 45 DAS to control weed population.Application of profeno+Cypermethrin @1lit/ha to control leaf webber. Application of Emmamectin Benzoate 5%SC (@ 4gml /10lit) to control pod borer infestation.Installation of solar light trap @3 per ha for mass trapping of male pod borer during flowering stage..	100	40	10.88	13.73	26.19	50105	1,05,721	55616	2.11	44,326	83,776	39,450	1.89
	Total		100	40	10.88	13.73		50105	105721	55616	2.11	44326	83776	39450	1.89

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

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Rice	Varietal evaluation	Demonstration of high yielding rice variety Sarunima (CR Dhan 210)	13	0.4	31.3	20.7	33.86	23.6	13.4	39125	65534	26409	1.6	27376	41040	14024	1.4

Cotton	Weed management	Demonstration on IWM in Cotton in rainfed upland condition	13	0.4	11.89	06	49.53	53.34	0	41155	83230	42075	2.0	35000	63700	28700	1.8
Ragi	Weed management	Demonstration on IWM in Ragi in rainfed upland	13	0.4	41.4	15.4	62.53	4.2	1.9	**18817**	**40080**	**21263**	**2.1**	**17229**	**30840**	**13611**	**1.7**
Greengram	Crop management	Demonstration on foliar application of soluble fertilizers in rabi Greengram	13	0.4	8.31	6.92	20.09	17.62	11.23	**10628**	**45872**	35244	2.2	**14035**	**40200**	26165	1.9
Marigold	Varietal evaluation	Performance of Marigold variety Bidhan Marigold-2	13	0.4	128	89	43.8	56.4	48	73500	279300	205800	2.8	63192	227492	164300	2.6
Banana	Crop management	Demonstration on Arka Banana special in Banana plants	13	0.4	256.4	225.9	13.5	23.2	18.5	116800	502260	385460	3.3	106100	435285	329185	3.1
Vegetable seedling	QPM	Demonstration on vegetable seedling raising under poly tunnel	13	0.4	29750	44100	48.2	82.3	62.9	24500	88200	63700	3.6	18500	59500	41000	3.2
Onion	Disease management	Demonstration on management of purple blotch disease in onion	13	0.4	148.5	122.8	20.92	3.4	12.8	58600	275600	217000	3.7	58900	206000	147100	2.4
Tomato	Disease Management	Demonstration on management of nematode in tomato	13	0.4	152	138	10.1	1.8	8.3	89400	324400	235000	2.6	87900	272900	185000	2.1

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR

Dairy																		
Cow																		
Buffalo																		
Poultry																		
Rabbitry																		
Pigerry																		
Sheep and goat																		
Duckery																		
Others (pl.specify)																		
Total																		

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

** BCR= GROSS RETURN/GROSS COST

Fisheries

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

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

** BCR= GROSS RETURN/GROSS COST

Other enterprises

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

	demonstrated			Demonstration	Check	parameter	Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
Total																

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

Women empowerment

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

Farm implements and machinery

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									

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

Demonstration details on crop hybrids

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

Good quality photographs of FLDs

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Rice	Rice variety Sarunima (CR Dhan 210)get 33.3% higher yield
2	Cotton	Application of pendimethalin @ 1.0 Kg a.i./ ha as pre-emergence with Quizalofop-p-ethyle @ 50g a.i./ ha and one hand weeding at 45 DAS gives less Weed index-15.8%
3	Ragi	Pre emergence application of oxyflurofen @ 37.5 g a.i./ha + one hand weeding at 45 DAT give 32% increase yield
4	Greengram	Foliar application of 2% 19:19:19(N:P:K) at flower initiation stage and 15 days after 1st spray gives 20% more yield
5	Marigold	Bidhan Marigold 2 (orange) is compact flower, heat tolerant and suitable for round-the-year production. It produces maximum no of flower per plant (128flower)
6	Banana	foliar spray of arka banana special from 4-5 months of planting at monthly interval @5 g/litre of water give 13% more yield and bunch weight (23.2g)
7	Vegetable seedling	82.3 % of seedling survive is more as compare to farmers pracices
8	Onion	Seed treatment with Carboxin37.5% +Thiram 37.5% (0.2%) +three foliar spraying with Tebuconazole 25 EC (0.1%) at 15days interval starting frominitiation of the infection give 20% more yield
9	Tomato	Application of carbofuran @ 0.3 ga.i/ m2 in nursery followed by application of neem cake @ 1.0 ton/ha in main field give 1.8% less disease infestation

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	15.11.2023	01	50	-
2.	Farmers Training	23.08.2023	01	30	-
3.	Media coverage	-	-	-	-
4.	Training for extension functionaries	-	-	-	-

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif2023 and Rabi 2022-23:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Pigeon pea	Indigenous seeds (Huda**Kandula**)	10.88	1076	1050	2000	Sowing Pigeonpea var LRG-52, Line sowing of seed with spacing 75cm x 60cm. Seed treatment with Vitavax power @2gm/kg of seed. Application of	100	40	15.82	11.65	13.73	26.21	30.78	-31.34

							vermicompost @ 2.5q/ha to raise organic carbon of the soil. Application of Post emergence herbicide Propaquizafop @ 1.0 per ha followed by two hand weeding after 25 DAS & 45 DAS to control weed population. Application of profeno+Cypermethrin @1lit/ha to control leaf webber. Application of Emmamectin Benzoate 5%SC (@ 4gml /10lit) to control pod borer infestation. Installation of solar light trap @3 per ha for mass trapping of male pod borer during flowering stage..								
2	Sunflower	Sowing high yielding Sunflower var. Swati	12.6	12.46	12.58	27	Sowing high yielding Sunflower var. KBSH 53. &Application of profeno+Cypermethrin @ 750ml/ha, to control Caterpillar application of Flubendiamide @125ml/ha to control Helicoverpa, .application of Carbendazim+manczeb1kg/ha to controlalteneria leaf spot disease,	48	30	16.23	14.87	15.55	3.07	2.97	-11.45

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	Sowing Pigeonpea	44,326	83,776	39,450	1.89	50105	1,05,721	55616	2.11

	var LRG-52, Line sowing of seed with spacing 75cm x 60cm. Seed treatment with Vitavax power @2gm/kg of seed. Application of vermicompost @ 2.5q/ha to raise organic carbon of the soil. Application of Post emergence herbicide Propaquizafop @ 1.0 per ha followed by two hand weeding after 25 DAS & 45 DAS to control weed population. Application of profeno+Cypermethrin @1lit/ha to control leaf webber. Application of Emmamectin Benzoate 5%SC (@ 4gml /10lit) to control pod borer infestation. Installation of solar light trap @3 per ha for mass trapping of male pod borer during flowering stage..								
2	Sowing high yielding	50545	95025	44480	1.88	50269	116625	66356	2.32

	Sunflower var. KBSH 53. &Application of profeno+Cypermethrin @ 750ml/ha, to control Caterpillar application of Flubendiamide @125ml/ha to control Helicoverpa, .application of Carbendazim +mancozeb1 kg/ha to controlaltenaria leaf spot disease								

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Sowing Pigeonpea var LRG-52, Line sowing of seed with spacing 75cm x 60cm. Seed treatment with Vitavax power @2gm/kg of seed. Application of vermicompost @ 2.5q/ha to raise organic carbon of the soil. Application of Post emergence herbicide Propaquizafop @ 1.0 per ha followed by two hand weeding after 25 DAS & 45 DAS to control weed population. Application of profeno+Cypermethrin @1lit/ha to control leaf webber. Application of Emmamectin Benzoate	1373	760 (20kg/household)	77	40	500	Purchase of critical inputs for farm activities and household expenses	31

	5%SC (@ 4gml /10lit) to control pod borer infestation. Installation of solar light trap @3 per ha for mass trapping of male pod borer during flowering ``````````stage..							
2	Sowing high yielding Sunflower var. KBSH 53. &Application of profeno+Cypermethrin @ 750ml/ha, to control Caterpillar application of Flubendiamide @125ml/ha to control Helicoverpa, .application of Carbendazim+mancozeb 1kg/ha to controlalteneria leaf spot disease	1555kg	600	₹ 75	0	0	Hand Loan recovery and household maintainence	60

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	Sowing Pigeonpea var LRG-52, Line sowing of seed with spacing 75cm x 60cm. Seed treatment with Vitavax power @2gm/kg of seed. Application of vermicompost @ 2.5q/ha to raise organic carbon of the soil. Application of Post emergence herbicide Propaquizafop @ 1.0 per ha followed by two hand weeding after 25 DAS & 45 DAS to control weed population. Application of profeno+Cypermethrin @1lit/ha to control leaf webber. Application of Emmamectin Benzoate 5%SC (@ 4gml /10lit) to control pod borer infestation. Installation of solar light trap @3 per ha for mass trapping of male pod borer during flowering stage..	Recommended variety and pest management practices is suitable to the farming system	Optimum plant population per unit area, profuse growth, more no of pod per plant and less incidence of pest& disease	Seed treatment, line sowing, hormone application and control of collar rot.	Cloudy weather results to flower drop.	Yes, the recommended variety and crop management technology is acceptable by the villagers/beneficiaries	-

2	Sowing high yielding Sunflower var. KBSH 53. &Application of profeno+Cypermethrin @ 750ml/ha, to control Caterpillar application of Flubendiamide @125ml/ha to control Helicoverpa, .application of Carbendazim+mancozeb 1kg/ha to controlalteneria leaf spot disease	Recommended variety and pest management practices is suitable to the farming system	Optimum plant population per unit area, profuse growth, more no of pod per plant and less incidence of pest& disease	Seed treatment, line sowing, hormone application and control of collar rot.	No	Yes, the recommended variety and crop management technology is acceptable by the villagers/beneficiaries	

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
High yielding variety (q/ha)	13.73	10.88	Bold seeded grain, moderately resistance to wilt, higher productivity per unit area and suitable for rainfed upland ecosystem.
Avg. No. of Pod/Plant	310	280	
100 seed weight (gm)	11.1	8.23	

Sunflower			
Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
High yielding variety (q/ha)	13.73	10.88	Bold seeded grain, moderately resistance to wilt, higher productivity per unit area and suitable for rainfed upland ecosystem.
Avg. No. of Pod/Plant	310	280	
100 seed weight (gm)	11.1	8.23	

F. Extension activities under FLD conducted:

1. Pigeonpea			
Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Method demonstration on seed treatment and sowing techniques	05/08/23 Anilapalli, M. Rampur	17
		08/08/23 Balarampur, Junagarh	15
2	Training on Scientific package of	13/09/23 Anilapalli,	30

	practices	M. Rampur	
3	Data collection at Flowering stage	08/11/23 Chhilpa, Junagarh	17
4	Data collection on pest disease population and other crop related parameters	15.11. 23Chhilpa, Junagarh	25
5	Field monitoring at pod development and harvesting stage	26/02/24/ Anilapalli, M. Rampur	22
2. Sunflower			
Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	AwarnessProgramme on IPM practic	14-03-2023&Banjipadar	35

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



H. Farmers' training photographs

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

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Pigeonpea	i) Critical input	223200	219257	0
	ii) TA/DA/POL etc. for monitoring	-	3943	0
	iii) Extension Activities (Field day)	-	-	-
	iv)Publication of literature	-	-	-
	Total	223200	223200	0
Sunflower	i) Critical input	180000	162000	0
	ii) TA/DA/POL etc. for monitoring	-	18000	0
	iii) Extension Activities (Field day)	-	-	-
	iv)Publication of literature	-	-	-
	Total	180000	180000	0

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													

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
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient 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
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													

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

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	01	3	-	3	5	2	7	5	-	5	13	2	15
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs	2	22	0	22	6	0	6	2	0	2	30	0	30
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping	01	3	-	3	5	2	7	5	-	5	13	2	15
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition	01	3	1	4	2	2	4	5	2	7	10	5	15
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others	2	0	25	25	0	2	2	0	3	3	0	30	30
Total													

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards	1	02	-	02	03	-	03	05	-	05	10	-	10
Protected cultivation technology	1	03	02	05	-	-	-	02	03	05	05	05	10
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization	1	17	1	18	4	1	5	2	0	2	23	2	25
Information networking among farmers													
Capacity building for ICT application	4	63	13	108	15	4	19	5	3	8	83	17	100
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other	02	6	-	6	5	3	8	2	4	6	13	7	20
Total													

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	2	20	15	35	9	6	15	7	3	10	36	24	60
Resource Conservation Technologies	1	8	0	8	22	0	22	0	0	0	30	0	30
Cropping Systems													
Crop Diversification	1	0	6	6	8	3	11	13	0	13	21	9	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
Integrated Farming	1	30	0	30	0	0	0	0	0	0	30	0	30
Micro irrigation/irrigation													
Seed production	1	12	4	16	7	7	14	0	0	0	19	11	30
Nursery management	1	12	0	12	8	0	8	10	0	10	30	0	30
Integrated Crop Management	4	62	18	80	20	7	27	9	4	13	91	34	120
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs	5	64	20	84	34	14	48	15	3	18	110	40	150
Others													
Total													
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off season vegetables	01	06	12	18	-	1	01	03	08	11	12	18	30
Nursery raising	02	11	18	29	05	10	15	04	12	16	20	40	60
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation	01	05	09	14	03	01	04	08	04	12	16	14	30
Others	02	18	08	26	09	03	12	07	15	22	34	26	60
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards	01	05	02	07	02	08	10	05	08	13	12	18	30
Cultivation of Fruit	02	12	08	20	12	-	12	12	16	14	40	20	60
Management of young plants/orchards	02	07	15	22	18	08	26	09	03	12	34	26	60
Rejuvenation of old orchards													
Export potential fruits	02	12	16	20	11	18	29	-	1	01	12	18	30
Micro irrigation systems of orchards	01	12	08	20	02	-	02	06	02	08	20	10	30
Plant propagation techniques	01	03	01	04	09	03	12	06	08	14	18	12	30
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants	01	03	08	11	-	1	01	06	12	18	12	18	30
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants	01	12	08	20	02	-	02	06	02	08	20	10	30
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													

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													
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	02	12	16	20	11	18	29	-	1	01	12	18	30
Integrated Disease Management	05	64	20	84	34	14	48	15	3	18	110	40	150
Bio0control of pests and diseases	02	07	15	22	18	08	26	09	03	12	34	26	60
Production of bio control agents and bio pesticides	02	12	08	20	12	-	12	12	16	14	40	20	60
Others	04	62	18	80	20	7	27	9	4	13	91	34	120
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
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													
Mobilization of social capital	2	26	15	41	5	5	10	8	1	9	39	21	60
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others	3	9	18	27	5	22	28	6	24	30	20	64	85
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

E)RURAL YOUTH (Off Campus)

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Total													

F) Extension Personnel (Off Campus)

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total													

G) Consolidated table (ON and OFF Campus)

i. Farmers& Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	2	20	15	35	9	6	15	7	3	10	36	24	60
Resource Conservation Technologies	1	8	0	8	22	0	22	0	0	0	30	0	30
Cropping Systems													
Crop Diversification	1	0	6	6	8	3	11	13	0	13	21	9	30
Integrated Farming	1	30	0	30	0	0	0	0	0	0	30	0	30
Micro irrigation/irrigation													
Seed production	1	12	4	16	7	7	14	0	0	0	19	11	30
Nursery management	1	12	0	12	8	0	8	10	0	10	30	0	30
Integrated Crop Management	4	62	18	80	20	7	27	9	4	13	91	34	120
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs	5	64	20	84	34	14	48	15	3	18	110	40	150
Others													
Total													
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off-season vegetables	01	06	12	18	-	1	01	03	08	11	12	18	30
Nursery raising	02	11	18	29	05	10	15	04	12	16	20	40	60
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation	01	05	09	14	03	01	04	08	04	12	16	14	30
Others	02	18	08	26	09	03	12	07	15	22	34	26	60
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards	01	05	02	07	02	08	10	05	08	13	12	18	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
Cultivation of Fruit	02	12	08	20	12	-	12	12	16	14	40	20	60
Management of young plants/orchards	02	07	15	22	18	08	26	09	03	12	34	26	60
Rejuvenation of old orchards													
Export potential fruits	02	12	16	20	11	18	29	-	1	01	12	18	30
Micro irrigation systems of orchards	01	12	08	20	02	-	02	06	02	08	20	10	30
Plant propagation techniques	01	03	01	04	09	03	12	06	08	14	18	12	30
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants	01	03	08	11	-	1	01	06	12	18	12	18	30
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants	01	12	08	20	02	-	02	06	02	08	20	10	30
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													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
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	02	12	16	20	11	18	29	-	1	01	12	18	30
Integrated Disease Management	05	64	20	84	34	14	48	15	3	18	110	40	150
Bio0control of pests and diseases	02	07	15	22	18	08	26	09	03	12	34	26	60
Production of bio control agents and bio pesticides	02	12	08	20	12	-	12	12	16	14	40	20	60
Others	04	62	18	80	20	7	27	9	4	13	91	34	120
Total													
VIII. Fisheries													
Integrated fish farming													

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
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital	2	26	15	41	5	5	10	8	1	9	39	21	60
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others	3	9	18	27	5	22	28	6	24	30	20	64	85
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	1	05	-	05	02	-	02	04	04	08	11	04	15
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs	2	22	0	22	6	0	6	2	0	2	30	0	30
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping													
Disease management	02	0	25	25	0	2	2	0	3	3	0	30	30
Repair and maintenance of farm machinery and implements													
Value addition	1	02	03	05	02	-	02	03	05	08	07	08	15
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	02	0	25	25	0	2	2	0	3	3	0	30	30
Total													

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards	1	02	-	02	03	-	03	05	-	05	10	-	10
Protected cultivation technology	1	03	02	05	-	-	-	02	03	05	05	05	10
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs	1	12	3	15	6	0	6	2	2	4	20	5	25
Formation and Management of SHGs	1	17	1	18	4	1	5	2	0	2	23	2	25
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	03	8	-	8	7	4	11	4	12	8	19	16	35
Total													

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Crop Production	F/FW	Establishment methods of Ragi.	1	Off Campus	23	7	30	10	3	13
Crop Production	F/FW	Significance of organic decomposer for organic waste digestion	1	Off Campus	20	10	30	14	5	19
Crop Production	F/FW	Nursery management in Rice	1	Off Campus	30	0	30	18	0	18
Crop Production	F/FW	Seed production of Arhar	1	Off Campus	19	11	30	7	7	14
Crop Production	F/FW	Soil Test Based Nutrient management of Rice in rainfed upland situation.	1	Off Campus	25	5	30	8	3	11

Crop Production	F/FW	Farm mechanization in DSR.	1	Off Campus	19	11	30	7	7	14
Crop Production	F/FW	Soil management in irrigated Rice	1	Off Campus	30	0	30	18	0	18
Crop Production	F/FW	Weed management in upland Rice	1	Off Campus	23	7	30	9	6	15
Crop Production	F/FW	Green manuring to retain soil moisture	1	Off Campus	30	0	30	18	0	18
Crop Production	F/FW	Major weeds and its management practices in Arhar	1	Off Campus	13	17	30	7	3	10
Crop Production	F/FW	Azolla Cultivation and its benefits	1	Off Campus	23	7	30	5	3	8
Crop Production	F/FW	Nipping iand Spacing management in Arhar	1	Off Campus	22	8	30	5	3	8
Crop Production	F/FW	Cultivation of legumes as fodder crop.	1	Off Campus	18	12	30	5	2	7
Crop Production	F/FW	Crop diversification to Ragi in Rice-Fallow medium lands.	1	Off Campus	21	9	30	21	3	24
Crop Production	F/FW	Rice based IFS.	1	Off Campus	30	0	30	30	0	30
Crop Production	F/FW	Crop residue management in Paddy-Maize cropping system	1	Off Campus	30	0	30	22	0	22
Crop Production	F/FW	Benefits of micronutrients and PGRs in Arhar.	1	Off Campus	20	10	30	6	2	8
Agricultural Extension	F/FW	Importance of crop diversification in upland areas for higher remunerative crops	1	Off Campus	39	21	60	13	6	19
Agricultural Extension	F/FW	Cost reduction technologies in rice based farming system	1	Off Campus	10	15	25	4	17	21
Agricultural Extension	F/FW	Economic analysis of cultivation of high value low volume crops for higher income	1	Off Campus	6	24	30	6	22	28
Agricultural Extension	F/FW	Various roles of Mobile application in agriculture	1	Off Campus	4	22	30	1	7	8
Crop	RY		2	On	15	0	15	4	0	4

Production		Vermicomposting		Campus						
Crop Production	RY	Organic formulations, Panchagavya and Jeevamrit	2	On Campus	15	0	15	4	0	4
Agricultural Extension	RY	Round the year income generation through Horticulture based farming system model	2	On Campus	0	30	30	0	5	5
Crop Production	IS	Use of micronutrients in Arhar	1	On Campus	20	5	25	2	1	3
Agricultural Extension	IS	Training need assessment (TNA) for effective technology dissemination	1	On Campus	21	4	25	3	1	4
Agricultural Extension	IS	Role of gender and signifiance of gender mainstreaming in agriculture	1	On Campus	20	5	25	9	3	10
Agricultural Extension	IS	Responsibilities of FPOs in accelerating agricultural production and marketing	1	On Campus	23	2	25	6	1	7
Agricultural Extension	IS	Role of extension professionals in process of agricultural development of farm families	1	On Campus	20	5	25	6	3	9
Agricultural Extension	IS	Market-led challenges & opportunities in Agriculture Extension	1	On Campus	22	3	25	3	1	4
Horticulture	F & FW	Nursery Management practices of Kharif onion	1 day	Off campus	10	20	30	02	-	02
Horticulture	F & FW	Protray nursery raising techniques for high value vegetable crops	1 day	Off campus	05	25	30	-	03	03
Horticulture	F & FW	Wilt Management Practices in Solanaceous crops	1 day	Off campus	08	22	30	01	03	04

Horticulture	F & FW	Off seasonal vegetable cultivation	1 day	Off campus	12	18	30	-	-	-
Horticulture	F & FW	Grafting method for Mango	1 day	Off campus	18	12	30	-	02	02
Horticulture	F & FW	Bunch feeding management practices in Banana	1 day	Off campus	22	08	30	05	-	05
Horticulture	F & FW	Intercropping of vegetable in Mango orchard	1 day	Off campus	25	05	30	03	01	04
Horticulture	F & FW	Use of growth regulator in mango orchard	1 day	Off campus	14	16	30	03	-	03
Horticulture	F & FW	Nutrient management in pointed gourd	1 day	Off campus	19	11	30	-	-	-
Horticulture	F & FW	Weed management practice in onion	1 day	Off campus	13	17	30	-	01	01
Horticulture	F & FW	Micronutrient application in cauliflower	1 day	Off campus	15	15	30	02	-	02
Horticulture	F & FW	Cultural management in Dragon fruit	1 day	Off campus	16	14	30	-	03	03
Horticulture	F & FW	Nutrient Management in litchi	1 day	Off campus	09	21	30	-	-	-
Horticulture	F & FW	Use of drip irrigation system in vegetable	1 day	Off campus	22	08	30	05	-	05
Horticulture	F & FW	Mulching in vegetable crops	1 day	Off campus	07	23	30	03	01	04
Horticulture	F & FW	Orchid cultivation in shadenet	1 day	Off campus	25	05	30	-	-	-
Horticulture	F & FW	Propagation techniques for Marigold	1 day	Off campus	11	19	30	-	01	01
Plant Protection	F & FW	Integrated blast disease	1 day	Off campus	13	17	30	-	01	01

		management in paddy								
Plant Protection	F & FW	Integrated fall army worm management in kharif maize	1 day	Off campus	15	15	30	02	-	02
Plant Protection	F & FW	IPM for management of pod borer complex in Pigeonpea	1 day	Off campus	16	14	30	-	03	03
Plant Protection	F & FW	Integrated management of red spider mite in brinjal	1 day	Off campus	13	17	30	-	01	01
Plant Protection	F & FW	Safe application of chemical pesticides in Rabi vegetable	1 day	Off campus	15	15	30	02	-	02
Plant Protection	F & FW	Integrated management of leaf curl in chilly	1 day	Off campus	22	08	30	05	-	05
Plant Protection	F & FW	Seed and seedling treatment in vegetables	1 day	Off campus	07	23	30	03	01	04
Plant Protection	F & FW	Integrated sucking pest management in cotton	1 day	Off campus	25	05	30	-	-	-
Plant Protection	F & FW	Wilt management in brinjal & tomato	1 day	Off campus	11	19	30	-	01	01
Plant Protection	F & FW	Method of seed and nursery bed treatment for	1 day	Off campus	10	20	30	02	-	02

		blast disease management in paddy								
Plant Protection	F & FW	Integrated thrips management in onion	1 day	Off campus	05	25	30	-	03	03
Plant Protection	F & FW	Integrated stem borer management in Rabi rice	1 day	Off campus	08	22	30	01	03	04
Plant Protection	F & FW	Blast disease management in finger millets	1 day	Off campus	12	18	30	-	-	-
Plant Protection	F & FW	Collar rot disease management in groundnut	1 day	Off campus	10	20	30	02	-	02
Plant Protection	F & FW	Bacterial wilt management in greengram	1 day	Off campus	05	25	30	-	03	03
Plant Protection	F & FW	Integrated fruit fly management in bitter gourd	1 day	Off campus	08	22	30	01	03	04
Plant Protection	Rural Youth	Method of production of neem and tobacco based bio pesticide	2 days	On campus	03	04	01	04	02	01
Horticulture	Rural Youth	Value addition of Finger millets	2 days	On campus	02	-	04	02	05	02
Horticulture	Rural Youth	Community nursery for Vegetable	2 days	On campus	06	02	-	03	-	03

Plant Protection	Inservice	Management of BPH/WBPH in rice during kharif season	1 day	On campus	02	-	03	01	-	04
Horticulture	Inservice	Hitech Horticulture	1 day	On campus	05	-	05	-	-	-
Horticulture	Inservice	Orchard management for Fruit crops	1 day	On campus	02	-	03	-	02	03

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	

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

I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

Sl.No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of participants	Sponsoring Agency
					PF/RY/EF			
1	Scientific Bee Keeping	Honey Bee Production	December January	7 days	Rural Youth	3	75	National Bee Board

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	03	22	24	46	05	06	11	06	12	18	33	42	75
Total	03	22	24	46	05	06	11	06	12	18	33	42	75
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													

Good quality photographs of training activity:

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	02	62	38	100	12	02	-	02	64	38	102
KisanMela	03	158	142	300	16	45	60	105	203	202	405
KisanGhosthi	-	-	-	-	-	-	-	-	-	--	-
Exhibition	02	123	77	200	8	10	08	18	133	85	218
Film Show	-	-	-	-	-	-	-	-	-	-	-
Method Demonstrations	-	-	-	-	-	-	-	-	-	-	-
Farmers Seminar	-	-	-	-	-	-	-	-	-	-	-

Workshop	-	-	-	-	-	-	-	-	-	-	-
Group meetings	-	-	-	-	-	-	-	-	-	-	-
Lectures delivered as resource persons	15	155	95	250	9	-	-	-	155	95	250
Advisory Services	42	334	278	612	15	65	85	150	339	363	702
Scientific visit to farmers field	48	125	240	365	21	3	2	5	127	245	372
Farmers visit to KVK	106	248	292	540	18	-	-	-	248	292	540
Diagnostic visits	58	267	241	508	20	-	-	-	267	241	508
Exposure visits	01	30	-	30	-	-	-	-	30	-	30
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-	-
Soil health Camp	-	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	-	-	-	-	-	-	-	-	-	-	-
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	03	46	44	90	13	-	-	-	46	44	90
MahilaMandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Celebration of important days (specify)	05	27	98	125	03	05	08	13	32	106	138
Sankalp Se Siddhi	-	-	-	-	-	-	-	-	-	-	-
Swatchta Hi Sewa	15	45	25	70	8	10	15	25	55	50	105
MahilaKisan Divas	01	-	25	25	3	02	03	05	02	30	32
Any Other (Specify)	05	52	98	150	12	05	10	15	62	113	175
Total	306	1672	1693	3365	158	147	121	338	1763	1904	3667

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	02
Radio talks	-
TV talks	-

Popular articles	-
Extension Literature	03
Other, if any	02

Good quality photographs of Extension activity:

3.5 a. Production and supply of Technological products

Village seed

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in village seed production	Number of farmers to whom seed provided							
					SC		ST		Other		Total	
					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	MTU-1156			-	-	-	-	-	-	-	-
Rice	MTU-1001			-	-	-	-	-	-	-	-
Grand Total											

Good quality photographs of seed production:

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Vegetable seedlings											
Cauliflower	Disha, Kimaya	14600	29200	05	-	08	3	13	-	26	3
Cabbage	Green boll	12200	24400	03	02	05	08	09	3	17	13
Tomato	Laxmi, A. Apekhya	24500	49000	15	-	19	-	23	2	57	2
Brinjal	VNR-212, Akshita	26500	53000	18	1	24	-	12	5	54	6

Chilli	VNR-315, Nirmiti	3500	10500	05	-	8	2	1	9	14	11
Onion		10600	2650	02	-	03	01	02	01	07	02
Others (Drumstick)	ODC-3	300	4500	01	-	-	02	01	-	01	02
Fruits											
Mango	Langra, Dasheri	500	20000	-	03	02	-	03	-	02	05
Guava											
Lime											
Papaya	Red Lady	300	7500	-	02	-	-	04	-	04	02
Banana											
Others (Dragon fruit)	Red & white type	800	32000	02	-	02	-	01	-	05	-
Ornamental plants (Marigold)	Ceracole	28000	33600	02	05	04	01	02	02	08	08
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Others, pl.specify											
Total		121800	266350	53	13	75	17	71	22	195	54

Good quality photographs of planting materials:

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers										
Bio-pesticide	12lt		5		1		9		15	
Bio-fungicide										
Bio-agents										
Others, please specify.										
Total										

Good quality photographs of bio-products:

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Dairy animals											
Cows											
Buffaloes											

Calves											
Others (Pl. specify)											
Small ruminants											
Sheep											
Goat											
Other, please specify											
Poultry											
Broilers											
Layers											
Duals (broiler and layer)											
Japanese Quail											
Turkey											
Emu											
Ducks											
Others (Pl. specify)											
Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings											
Spawn											
Others (Pl. specify)											
Grand Total											

Good quality photographs of livestock and fisheries:

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

i) Name of Seed Hub Centre:

Name of Nodal Officer :	Dr Amitabh Panda
Address :	Krishi Vigyan Kendra At- Arkabahalipada Agriculture Farm, Khariar Road, Bhawanipatna-766001
e-mail :	Kvkkalahandi.ouat@gmail.com
Phone No. : Mobile :	9437297307 6372568845

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2023	Pigeon pea	LRG-52	25 ha	25	118.25	FS
Rabi 2021-22						

Summer/Spring 2023						
Kharif 2023						
Rabi 2022-2023						

iii) Financial Progress

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

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

3.6.

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

Item	Title	Author's name	Number	Circulation
Research paper	Elevated CO_2 and nanoparticles for the management of Pulse Beetle, in stored Chickpea	T. Khandaitray, T Badjena	1	-
	Economics of Mango Production and constraints faced by growers in western undulating agro climatic zone of odisha	R.K. Rout, H.Jena, T.Majhi, T. Badjena	1	-
	Performance of climate smart rice variety CR Dhan-801: A case study from western undulating zone of odisha	S. Swaraj, A. Panda, P. Mishra, T. Majhi, S.K. Mandal, A. Phonlosa	1	-
Seminar/conference/ symposia papers	-	-	-	-
Books	BaigyanikPadhatirebhendichasa	Dr. B.B. Sahu, Dr. A. Panda, S. Sahoo, T. Badjena, T. Majhi, S. Meher, B.Barik	500	-

	BaigyanikaPadhatire Kapa Chasa	Dr. A. Panda, T. Badjena, S. Sahoo, T. Majhi, S. Meher, B.Barik	500	-
	Prakrutika Krushi	Dr. A. Panda, T. Badjena, S. Sahoo, T. Majhi, S. Meher, B.Barik	500	-
Bulletins	-	-	-	-
News letter	-	-	-	-
Popular Articles	-	-	-	-
Book Chapter	-	-	-	-
Extension Pamphlets/ literature	-	-	-	-
Technical reports	-	-	-	-
Electronic Publication (CD/DVD etc.)	Prakrutika Krushi	Dr. A. Panda, T. Badjena, S. Sahoo, T. Majhi, S. Meher, B.Barik	-	-
TOTAL	07	-	1503	-

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.	Workshop	Annual Zonal Workshop on NICRA	Dr. Amitabh Panda, Senior Scientist and Head	2nd-4th May 2023	RKM KVK, Sargachhi, W.B.
2.	Workshop	Annual Zonal Workshop on NICRA	Tulasi Majhi, Scientist (Horticulture)	2nd-4th May 2023	RKM KVK, Sargachhi, W.B.
3.	Workshop	Annual Zonal Workshop	TribijayiBadjenaScientist (Agril. Extension)	7TH-9TH June, 2023	Kalimpong, W.B.
4.	Workshop	Workshop on Nano Urea	Tulasi Majhi, Scientist (Horticulture)	22.06.2023	Biju Patnaik Hall, OUAT, BBSR
5.	Capacity Development	Capacity Development training for trainers on Precision Direct SeededRice	TribijayiBadjenaScientist (Agril. Extension)	17th to 19th July 2023	ISARC, Varanasi
6	Capacity Development	Training on Advance Technology in Apiculture	Tulasi Majhi, Scientist (Horticulture)	26th& 27th Jul 2023	DEE, OUAT, BBSR
7	Workshop	Workshop on Reinventing Extension system for Agricultural Transformation	TribijayiBadjenaScientist (Agril. Extension)	25.08.2023	DEE, OUAT, BBSR
8	Workshop	State level workshop & Exposure visit on Mechanised seedling & Weeding services	TribijayiBadjenaScientist (Agril. Extension)	15.09.2023	New Marrion, BBSR
9	Capacity Development	TOT on Agro-Forestry	Tulasi Majhi, Scientist (Horticulture)	6th – 9th Dec 2023	SITE, BBSR
10	Conclave	Agri-Journalism Conclave	TribijayiBadjenaScientist (Agril. Extension)	11.12.2023	OUAT, BBSR
11	Conclave	FPO Conclave	TribijayiBadjenaScientist	09.02.2024	OUAT, BBSR

			(Agril. Extension)		
12	Workshop	Zonal Workshop on Natural Farming	TribijayiBadjenaScientist (Agril. Extension)	16th& 17th Feb 2024	Visva-Bharti, W.B.
13	Refresher Training	Refresher Training for Scientists/SMS/Farm Manager/Programme Asst. (Horticulture & Forestry)	Tulasi Majhi, Scientist (Horticulture)	6th& 7th March 2024	DEE, OUAT, BBSR
14	Training cum Exposure Visit	Training cum Exposure Visit on Natural Farming for the Master Trainers	TribijayiBadjenaScientist (Agril. Extension)	18th to 22nd March 2024	Extension Education Institute, Anand

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	GourangaSahu
Address	Village-Indramal Block-Narla,Dist-Kalahandi
Contact details (Phone, mobile, email Id)	9692643595
Landholding (in ha.)	5
Name and description of the farm/ enterprise	Vegetable farming
Economic impact	Gouranga was included as a beneficiary in the Mulching intervention under the NICRA project. This practice helped him conserve soil moisture, reducing water usage and enhancing crop yields. The strategies of IPM & IDM significantly reduced pest and disease pressure, resulting in healthier crops and higher yields. He expanded his farming calendar by engaging in off-season vegetable cultivation. This allowed him to take advantage of market opportunities and generate income year-round. Now he is able to earn an average of Rs.4.5-5lakhsannually from vegetable cultivation.
Social impact	Witnessing the profit gained from the crops (specific-vegetable) other educated youth also trying to follow his foot steps. The village is known in the district for vegetable cultivation. To promote vegetable farming, farmers are supported with low cost shade net, quality planting material by district horticulture department.
Environmental impact	The Scientist from KVK, Kalahandi trained him to take proper care and management of vegetable farm. A recommended cropping scheme was strictly followed. Krishi Vigyan Kendra has played a multifaceted role in Gouranga Sahu's agricultural journey, ranging from knowledge transfer and technical guidance to providing critical support through the implementation of specific interventions and the distribution of quality planting materials. Through its comprehensive approach, KVK has empowered Gouranga to transition from traditional farming methods with low yields to a profitable agricultural enterprise that embraces innovation, sustainability, and market demands.
Horizontal/	His farm land is been visited by farmers of in and out of the district and

Vertical spread	been renowned as technical expert in his village in terms of vegetable farming.
Good quality photographs (2-3)	

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

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

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

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

b. Give details of organic farming practiced by the farmer

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

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

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed

3.11. a. Details of equipment available in Soiland Water Testing Laboratory

Sl. No	Name of the Equipment	Qty.
1.	Nitrogen analyser	01
2.	Spectrophotometer	01
3.	Ph meter	01

4.	Conductivity Meter	01
5.	Hot air oven	01
6.	Chemical balance	01
7.	Mechanical shaker	01
8.	Water Bath	01
9.	Incubator	01
10.	Mridaparikshak kit	01
11.	Weighing Balance	01

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (in Rs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
202	-	202	977	58	1500

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

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

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

3.13. Technology week celebration

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

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

No of student trained	No of days stayed
02	28 days

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
20.01.2023	Asish Kumar Das, Prof. Soil Science, OUAT, Bhubaneswar	SAC meeting
	Dr. Hemant Kumar Sahu, JDE, OUAT, Bhubaneswar	
22.04.2023	P. Anvesha Reddy, Collector & District Magistrate, Kalahandi	Celebration of Akshaya Tritiya at KVK, campus
10.05.2023	Prof. Pravat Kumar Roul, Hon'ble Vice Chancellor, OUAT, Bhubaneswar	Monitoring KVK activities
23.08.2023	Sj. Ranendra Pratap Swain, Agriculture and Farmers Empowerment, Fisheries & Animal Resources Developement	Visited KVK, campus
05.12.2023	Sj. Bhupendra Singh, Hon'ble MLA, Narla	World Soil day
10.11.2023	Padmashri Sj. Pataet Sahu	Visited KVK, campus
17.11.2023	Sj. Mousadhi Bag, Hon'ble MLA, Dharmagarh	Visited KVK, campus
23.12.2023	Sj. Basanta Kumar Panda, Hon'ble MP Kalahandi	Visited KVK, Stall at District level Farm Mechanization Mela

4. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

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

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread

Give information in the same format as given below

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

Environmental impact	
Horizontal/ Vertical spread	
Good quality photographs (2-3)	

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

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

4.4. Details of innovations recorded by the KVK

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

4.5. Details of entrepreneurship development

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

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

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

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

5.2. List of special programmes undertaken during 2023by 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.	Polyhouse	2011	300	-	Vegetable seedling	121800 no.	48500	266350	Unit is functional
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.							
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)
15.12.2023	25	7 days	-
Total :			

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed:

No. of staffquarters: 02

Date of completion:

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI
Dr. Amitabh Panda, SS&Head,						
Pradeep Kumar Padhan						

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number

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	
Sunflower	-	1.2	-	0.713	0.486

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	
Pigeonpea	2.23	-	2.23	-	0

2019.5. Utilization of KVK funds during the year 2023-24(Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**			
2	**Traveling allowances**	**150000**	**149400**	**75893**
3	**Contingencies**	**950000**	**948800**	**948800**
A	Stationery, Telephone, Postage and other expenditure on office running			
B	POLs , Repair of vehicle, tractor and equipment	440000	438800	438800
C	Vocational training			
I	Meals and refreshment of trainees			
II	Training material	255000	255000	255000
D	FLD except oilseeds and pulses	128000	128000	128000
E	On Farm Trails	127000	127000	127000
F	HRD	30000	30000	4000
4	**SCSP Contingency**	**1500000**	**1450000**	**1450000**
5	**Honey Bee**	**459375**	**459375**	**459375**
6	**NICRA**	**930000**	**928800**	**928800**
7	**IRRI-DSR**	**336000**	**336000**	**336000**
8	**Swachhata**	**34000**	**34000**	**34000**
TOTAL (A)		**4359375**	**4306375**	**4232868**
B. Non-Recurring Contingencies				
1	Library	10000	10000	10000
2	Office equipment and furniture	100000	100000	100000
TOTAL (B)		**110000**	**110000**	**110000**
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2019-20				
2020-21				
2021-22				
2022-23				
2023-24				

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

8. Other information

8.1. Prevalent diseases in Crops

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

8.2. Prevalent diseases in Livestock/Fishery

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

9.1. Nehru 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	15	1050
Livestock	-	-
Fishery	-	-

Weather	12	3008
Marketing	-	-
Awareness	06	7080
Training information	04	10100
Other	05	10428
Total	**42**	**10428**

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
24.08.2023	Cleanliness campaign and swachhta awareness at village level
12.09.2024	Training on preparation of organic decomposer
09.10.2023	Training on Composting of biodegradable waste management
12.11.2023	Cleaning and beautification of surrounding areas
08.12.2023	Cleanliness oath
28.12.2023	Cleanliness campaign and swachhta awareness at village level

b. Details of Swachhta activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office	-	-
2. Basic maintenance	01	4000
3. Sanitation and SBM	-	-
4. Cleaning and beautification of surrounding areas	03	3000
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	01	14000
6. Used water for agriculture/ horticulture application	-	-
7. Swachhta Awareness at local level	02	2500
8. Swachhta Workshops		
9. Swachhta Pledge	01	500

10. Display and Banner	02	500
11. Foster healthy competition	-	-
12. Involvement of print and electronic media	-	-
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	05	7000
14. No of Staff members involved in the activities	15	2500
15. No of VIP/VVIPs involved in the activities	-	-
16. Any other specific activity (in details)	-	-
Total	**30**	**34000/-**

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

Give good quality 1-2 photograph(s)

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

Date ofprogramme	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		

Please provide good quality photographs:

9.10. Details of Swachhta Hi Suraksha/ SwachhtaPakhwadaprogramme organized

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

Please provide good quality photographs:

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	Awareness programme	01	25	-	-

Please provide good quality photographs:

9.12. No. of Progressive/Innovative/Lead farmer identified (category wise)

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise

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

9.16. Contingent crop planning

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

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

a) Year:
b) Introduction / General Information:

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

Please provide good quality photographs:

11. Details ofDAPST/ TSP

a. Achievements of physical output under TSP during 2023

Progress of DAPST for the year 2023 (Jan. to Dec., 2023)

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

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

	(upto 3%)					
12	**Any other (specify)**					

b. Fund received under TSP in 2023-24 (Rs. In lakh):

12. Details of DAPSC/ SCSP

a. Achievements of physical output under SCSP during 2023(April 2023 to March 2024)

Progress of DAPSC for the year 2023 (Jan. to Dec., 2023)

Name of KVK							
Sl.No.	***Item/Activity***		***Units***	***Targets/Achievements***		***No. of Beneficiaries***	
				Annual Targets	***Achievements***	***Annual Targets***	***Achievements***
1	**Trainings (Capacity building/ Skill Development etc.)**		No.				
	1.1	1-3 days	No.	06	02	150	50
	1.2	4-10 days	No.				
	1.3	2-4 weeks	No.				
	1.4	More than 4 weeks	No.				
2	**On Farm Trials (OFTs)**		No.				
3	**Front Line Demonstrations (FLDs) and other demonstrations**		No.	12	08	156	104
4	**Awareness camps, exposure visits etc.**		No.				
5	**Input Distribution**						
	5.1	Seeds (Field Crops)	Tonnes				
	5.2	Seeds (High Value Crops, spices etc.)	kg				
	5.3	Seeds (Root & Tuber Crops)	tonnes				
	5.4	Nursery plants	No.	30000	18200	100	35
	5.5	Cutting , slips, suckers, etc	No.				
	5.6	Mushroom Spawns/ Bio-Fertilizers (in Packets)	Packets				
	5.7	Honey Bee Colonies	No.				
	5.8	Animals-large (Cattle/ Buffalo/ camel/horse/donkey/Mithun/Yak etc.)	No.				
	5.9	Animals-small (pig, sheep, goat etc.)	No.				
	5.1	Poultry chicks / duckling etc	No.25	3000	3000	300	300
	5.11	Fish Spawns/ fingerlings	No.				
	5.12	Small equipment's (upto Rs 2000)	No.				
	5.13	Medium Equipment's/ machinery (upto Rs 25000)	No.				
	5.14	Large Equipment's / machinery (> Rs. 25000)	No.				
	5.15	Infrastructure / Civil Works/ Ponds etc	No.				

	5.16	Setting up plant nursery/ seed farm/ hatchery	No.				
	5.17	Land development/ Reclamation / Conservation	hectares				
	5.18	Fertilizers (NPK)/ Secondary fertilizers	tonnes				
	5.19	Micro nutrients	tonnes				
	5.2	FYM/ Vermicompost	1 tonnes	1 T	1T	15	15
	5.21	Soil amendments (Gypsum, lime etc.)	tonnes				
	5.22	Plant protection chemicals	kg				
	5.23	Plant growth Promoter	kg				
	5.24	Animal Feed	tonnes				
	5.25	Animal Fodder	tonnes				
	5.26	Animal medicines	doses				
	5.27	Any other (Liquid PSB etc.)	Litre	60	60	100	100
6	**Services/Facilitation**						
	6.1	Animal Health Camps	No.				
	6.2	Artificial Insemination / Vaccination	No.				
	6.3	Veterinary Services (Hospitalization, on-site treatment, PD, surgery etc)	No.				
	6.4	Testing samples of Soil, plant, water, feed, fodder and livestock	No.				
	6.5	Promotion of agri-entrepreneurship	No.				
	6.6	Promotion of IFS, IOFS, Natural Farming, Nutrigarden, kitchen garden, orchards etc	No.				
	6.7	Creation of market links of farm produces	No.				
	6.8	Use of Institute Facilities (Processing etc.) (in Hours)	Hours				
	6.9	Subsidies/ Assistance (50% of Project cost, Max. Rs 10,000/beneficiary)	No.				
7	**Distribution of Literature**		No.	5000	5000	5000	5000
8	**Employment generation for livelihood**		(Man-months)				
9	**Fellowship, Stipends or Scholarship**		No.				
10	**Area oriented R&D Activity (project addressing the problems of agri. Sector faced by the SC/STs and benefit directly, which is measurable and identifiable**		No. of projects				
11	**Monitoring & Evaluation of DAPSC/ST (upto 3%)**						
12	**Any other (specify)**						

b. Fund received under SCSP in 2023-24 (Rs. In lakh): 1.5

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

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
Renovation of Farm Pond	1	1	20	7	6	10	7	13	9	40	22	62	-
Demonstration on Polymulching to conserve soil moisture	1	4	1	2	1	5	-	7	1	12	2	14	-

Crop Management

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
Demonstration on Climate smart rice "CR Dhan 801"	3.5	1	-	2	-	4	1	7	1	8
Demonstration on perennial fodder "Super Napier"	2	2	-	1	1	6	1	9	2	11
Demonstration on Heat tolerant tomato "Arka Apeksha & Arka Vishesh"	4.2	4	1	1	-	9	2	14	3	17
Demonstration on INM in cotton	2.5	3	-	1	-	11	1	15	1	16
Demonstration on Dragon fruit	1.4	-	-	2	3	16	-	18	3	21
Demonstration on Ragi var-Arjun	2.8	2	1	4	-	13	2	19	3	22
Demonstration on Direct Seeded Rice	2.5	1	-	2	-	5	-	8	-	8

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	
Demonstration on Backyard rearing of	200	10	-	7	5	2	9	3	12	14	26	40	-

poultry birds													
Low cost goat Shed	5	5	-	1	-	1	-	3	-	5	-	5	-

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	
Custom Hiring Center	1	16	7	6	10	7	13	9	40	22	62	Paddy
Community Nursery	1	1	11	3	16	6	23	10	50	19	69	Growing seasonal vegetable

Capacity building

Thematic area	No of Courses	No of beneficiaries								
		SC		**ST**		**Other**		**Total**		
Farmers and farmwomen training	10	M	F	M	F	M	F	M	F	T
Use of green manuring for better fertility status and crop yield	1	3	5	4	3	9	6	16	14	30
High density planting system in cotton	1	5	3	1	-	14	8	19	11	30
In-situ moisture conservation in vegetable	1	3	-	4	3	15	5	22	8	30
Trenching and bunding method in mango plantation	1	6	4	2	1	10	7	18	12	30
Nursery raising techniques for vegetable	1	8	1	2	6	5	8	15	15	30
Practice of bio-pesticides for management of sucking pest in cotton	1	2	-	5	-	14	9	21	9	30
Disease management in stress tolerant crops	1	3	5	4	2	10	6	17	13	30
Use of small scale entrepreneurship in oyster mushroom production	1	7	4	3	6	4	11	9	21	30
Round the year mushroom cultivation technique in drought prone area	1	2	6	2	1	3	15	7	23	30
Use of farm machinery for conservation of soil moisture	1	2	1	4	1	18	2	26	4	30

Extension activities

Thematic area	No of activities	No of beneficiaries			
		SC	**ST**	**Other**	**Total**

		M	F	M	F	M	F	M	F	T
Exposure visit to Hi-tech Horticulture, Nabarangpur	1	9	-	7	-	14	-	30	-	30
Field Day programme on CR Dhan 801	1	8	4	5	7	15	11	28	22	50
Field day Programme on Super Napier	1	9	6	6	4	17	8	32	18	50
Field day programme on Grafted vegetables	1	10	5	4	8	9	14	23	27	50

Detailed report should be provided in the circulated Performa

14. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1	Best FPO	Safal Chasi	2023	OUAT, BBSR	-	62nd Foundation Day
2	Best FPO	Kalahandi Pulse Producer Company Ltd	2023	OUAT, BBSR	-	Agri Education Fair

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

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

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1	Kalahandi Pulse Producer Company Ltd	-	28/10/2022 Plot No.-24, At-JajalyaDeypur, Po-Dadpur, Dist-Kalahandi	Pulses Seed Production	Pigeon pea, Moong	1284	53.42Lakhs	**Production :** Arhar:1105.7 ha **Processing:** 866.7qnl **Marketing**: 1100q

17. Integrated Farming System (IFS)

Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year

-	-	-	-	-	-	-	-

18. 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	Demonstration of high yielding rice variety Sarunima	Cultivation of rice variety Sarumina (CR Dhan 210). Duration -110-115 days, Average Yield-7.8 t/ha , long slender grains, Moderately resistant to leaf blast, neck blast, brown spot, sheath rot, stem borer, leaf folder and green leaf hopper, The seed rate 50 kg/ha, spacing 20x10cm and use of RDF (80:40:40) N:P2O5:K2O (kg/ha).	26409/-	25	-
2	Demonstration on IWM in Cotton in rainfed upland condition	Application of pendimethalin @ 1.0 Kg a.i./ ha as pre-emergence with Quizalofop-p-ethyle @ 50g a.i./ ha and one hand weeding at 45 DAS.	42075/-	30	-
3	Demonstration on toria variety Sushree in Rainfed medium land.	Toria variety Sushree (Toria variety ORTM(m)-7-2 released in the name of Sushree	14210/-	25	-

		with the average yield of 1380 kg/ha, Oil content 42% , duration 85days. Suitable for late sown.)			
4	Demonstration on vegetable seedling raising under poly tunnel	Preparation of low cost poly tunnel by using 200 micron polythene (vegetable seeds like tomato, brinjal, chilly)to be grown	63700/-	20	-
5	Demonstration on Arka Banana special in Banana plants	foliar spray of arka banana special from 4-5 months of planting at monthly interval @5 g/litre of water.	385460/-	30	-
6	Demonstration on management of purple blotch disease in onion	Seed treatment with Carboxin37.5% +Thiram 37.5% (0.2%) +three foliar spraying with Tebuconazole 25 EC (0.1%) at 15days interval starting frominitiation of the infection	217000/-	35	-
7	Demonstration on management of nematode in tomato	Application of carbofuran @ 0.3 ga.i/ m2 in nursery followed by application of neem cake @ 1.0 ton/ha in main field	235000/-	25	-

19. 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 24.04.2018)					
Total					

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

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

21. a) Information on ASCI Skill Development Training Programme, if undertaken during 2023

Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants						Whether uploaded to SIP Portal (Y/N)	Fund utilized for the training (Rs.)
				SC		ST		Other			
				M	F	M	F	M	F		

(Please provide good quality photographs)

b) Information on Skill Development Training Programme (Other than ASCI or less than 200 hrs., if any) if undertaken during 2023

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

22. Information on NARI Project(if applicable)

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

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
1	Vikshit Bharat Sankalp Yatra	15.11.2023 to 26.01.2024	Grampanchayat of all blocks	Awareness on Natural farming and Soil health management	2500

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


AWARENESS PROGRAMME
ON
TURAL FARMING PRACTICES
Date : 03/02/2024
GPS Map Camer
Odisha, India
gadiajor, kalahandi, Odisha
Lat 19.924247°
Long 83.204801°
03/02/24 01:39 PM GMT +05:30
Google


GPS Map Camera
Dumerguda, M. Rampur, Kalahandi, Odisha, India
Risida Rd, Ramud, Odisha 766102, India
Lat 20.271724°
Long 83.542179°
03/02/24 12:24 PM GMT +05:30
Google


Latitude: 20.27565
Longitude: 83.473086
Elevation: 167.05±21 m
Accuracy: 9.9 m
Time: 12-05-2023 14:12


Latitude: 20.276113
Longitude: 83.473068
Altitude: 199.3±317 m
Accuracy: 23.7 m
Time: 12-05-2023 14:04


DISTRIBUTION OF
QUALITY PLANTING MATERIAL


DEMONSTRATION ON
SUPER NAPIER


Latitude: 20.087797
Longitude: 83.369375
Elevation: 126.37±38 m
Accuracy: 17.4 m
Time: 10-13-2023 17:12
Powered by NoteCam


ON FARM TESTING ASSESSMENT OF
INTEGRATED MANAGEMENT OF LEAF CURL DISEASES
IN CHILLI
To, - Foliar Spray of Spiromesifen @500 ml/ha
To, - Seed Treatment with Imidachloprid @5 ml/kg seed and
Foliar Spraying of Spiromesifen @1 ml/L of Water Twice
at 30 and 45 DAT


FRONTLINE DEMONSTRATION ON
BUNCH FEEDING OF BANANA FOR QUALITY
AND
YIELD ENHANCEMENT
SEASON : KHARIF - 2022


DEMONSTRATION ON GRAFTED TOMATO
Under NICRA - TDC Project
Year - 2023-24
Village : Indramal


EXPOSURE VISIT
TO HI-TECH HORTICULTURE, NABARANGPUR
Under NICRA-TDC Project
YEAR - 2023-24
Date : 10.01.2024