ANNUAL PROGRESS REPORT

2024
(JANUARY to DECEMBER)

KRISHI VIGYAN KENDRA
DHANBAD, BALIAPUR FARM
DIST. ~ DHANBAD~828201
BIRSA AGRICULTURAL UNIVERSITY
RANCHI, JHARKHAND

PROFORMA FOR ANNUAL REPORT 2024 (01st January- 31st December 2024)

1. GENERAL INFORMATION ABOUT THE KVK

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

Name and address of KVK	Telephone		E-Mail
	Office	FAX	
Krishi Vigyan Kendra, Dhanbad Baliapur Farm, Dhanbad-828201	Office 09431507690	-	kvkdhanbad@rediffmail.com kvkdhanbadbau.2012@gmail.com **Website--www.kvkdhanbad.org.in**

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

Name and address of Host Organization	Telephone		E mail
	Office	FAX	
Birsa Agricultural University, Kanke, Ranchi-834006(Jharkhand)	0651-2450500 0651-2450777	-	vc@bauranchi.org, registrarbaujharkhand@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Sh. Lalit Kumar Das	09431507690	09431507690	kvkdhanbad@rediffmail.com

1.4. Year of sanction of KVK with council order No. and date:

1.5. Year of start of KVK: 2005

1.5. Staff Position (**as on 31st December 2024**)

Sl. No.	Sanctioned post	Name of the Incumbent	Designation	Discipline	Pay Scale with Present Basic	Date of joining	Permanent/ probation	Category (SC/ST/ OBC/ Others)
1.	Senior Scientist& Head	Sh. Lalit Kumar Das	I/C Senior Scientist& Head	Agril. Extn.	79800-211500	15.07.2019	Permanent	SC
2.	Subject Matter Specialist	Dr. Devkant Prasad	Scientist	Agronomy.	79800-211500	02.01.2023	Permanent	Gen
3.	Subject Matter Specialist	Dr. Seema Singh	Scientist	Home Science	79800-211500	01.04.2019	Permanent	Gen
4.	Subject Matter Specialist	Dr. Rajeev Kumar	Scientist	Agril. Engg.	79800-211500	11.12.2007	Permanent	Gen
5.	Subject Matter Specialist	Vacant	-	-	-	-----		-
6.	Subject Matter Specialist	Vacant	-	-	-	-----		-
7.	Subject Matter Specialist	Vacant	-	-	-	-----		-
8.	Programme Assistant	Sri Raman Kr. Srivastava	Programme Assistant	Agriculture	35400-112400	01.07.2009	Permanent	Gen
9.	Computer Programmer	vacant	---		-	-	-	-
10.	Farm Manager	Sri Sanjay Kumar	Farm Manager	Agriculture	35400-112400	01.03.05	Permanent	Gen
11.	Accountant / Superintendent| Assistant	vacant	---		-	-	-	-
12.	Stenographer	-			-	-		
13.	Driver	Sri Hem Prasad Manjhi	Contractual		9000		Contractual	ST
14.	Driver	Sri Girdhari Mahto	Contractual		9000	-	Contractual	OBC
15.	Supporting staff	Sri Shyamal Sarkar	Contractual	-	7000	-	Contractual	Gen
16.	Supporting staff	Sri Ram Prasad Murmu	Contractual	-	7000	-	Contractual	ST

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)	Name of infrastructure
1	Under Buildings	1.0	Administrative Building, Farmers Hostel, Staff Quarters
2.	Under Demonstration Units	1.0	Rain Water harvesting structure, Threshing floor, Soil test Lab, Seed Processing Unit, Mushroom Unit etc.
3.	Under Crops	4.5	Cereal, Pulse, Oilseed, Vegetable etc
4.	Orchard	1	Mango, Guava, Awanla, Bel etc.
5.	Agro-forestry	-	-
6.	Others with details	2.5	technological park, shednet, pond
	Total	10.0	

**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)	Functional/ non-functional*	Source of funding
1.	Administrative Building					Before 31.03.2007		Functional	ICAR
2.	Farmers Hostel					-do-		Functional	ICAR
3.	Staff Quarters (6)					-do-		Non functional (Complete Damage)	ICAR
4.	Piggery unit								
5	Fencing					Incomplete		Incomplete	
6	Rain Water harvesting structure					Incomplete		Incomplete	
7	Threshing floor					Before 31.03.2007		Functional	
8	Farm godown								
9.	Dairy unit								
10.	Poultry unit								
11.	Goatry unit								
12.	Mushroom Lab								
13.	Mushroom production unit					Before 31.03.2007		Functional	
14.	Shade house					2023		Functional	

15.	Soil test Lab					Before 31.03.2007		Functional	ICAR
16	Giloy Production Shade net Medicinal Plant Production Unit					2023-24		Functional	Agro forestry BAU, Ranchi
						2024-25		Started	Agro forestry BAU, Ranchi - RKVY

* 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
Tractor with trolley	2006	--	1910.2 hours	Not Working but need repairing
Tractor with trolley	Provided by BAU Ranchi		01328.0 hours	Working
Tata Sumo	2006	500000	283868 km.	Condemned
Motar Cycle	2016	59961	4080 km	Working
Motar Cycle	2016	59961	10258 km	Working
Tractor with trolley	2006	--	1902.2 hours	Not Working but need repairing

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
b. Farm machinery				
c. AV Aids				
Desktop Computer set	2006	--	Not Working	ICAR
Xerox	2007	--	Not working	ICAR
Digital Camera	2007	14512.50	Not Working	ICAR

D) Farm implements

Name of implements	Year of purchase	Cost (Rs.)	Present status	Source of fund
Diesel Pump set Big – 5 H.P	2006	-	Not Working	
Spraying Machine (Gatour)	2006	-	Working	
Disc plough	2009	-	Working	
Multi purpose seed drill	2009	-	Not working	
Grass cutter	2009	-	Not working	
M. B. Plough	2009	-	Working	
Seed cum fertilizer drill	2009	-	Not working	
Rotary Tiller	2009	-	Working	
Power sprayer	2009	-	Not working	
Cage wheel nut bolt type	2009	-	Working	

2. Priority thrust areas of KVKs

S. No	Thrust area
1.	Improvement of soil and water conservation practices
2.	Management of problematic soils.
3.	Popularization of integrated nutrient management practices
4.	Improvement in yield of mono crop rice.
5.	Diversification of traditional rice-based cropping system with appropriate commercialization
6.	Breed Improvement of cattle and Goat
7.	Popularization of IPM measures for field and Horticultural crops.
8.	Introduction of postharvest & value addition technology.
9.	Entrepreneurship development of SHG/FPOs.
10.	Women Empowerment

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

Sl. No.	Items	Information
1	Major Farming system of the district	Agriculture + Livestock, Agriculture + Livestock + Poultry Agriculture + Horticulture Agriculture + Horticulture + Sericulture Agriculture + Fisheries + Duckery + Poultry Agriculture + Horticulture + Mushroom Cultivation
2	One district one product (NITI Ayog)	Potato
2	Agro-climatic Zone	Zone – 7

		Sub zone – IV	
3	Agro ecological situation	Sandy loam, rainfed, undulating	Soils are light textured having undulating topography & crops are grown under rainfed situation. No irrigation facility is available.
		Sandy loam, undulating, irrigated.	Soils are light textured having undulating topography with irrigation facility. The sources of irrigation are mainly wells and tanks.
		Clay soil, rainfed.	Soils are heavy textured, rich in organic matter and fertile. Crops are grown under rainfed situation. Only life saving irrigations is available.
		Heavily soil, undulating, rainfed / forest	Soils are heavy textured having undulating topography with no irrigation facility. Most of lands are under forest. Crops are grown under rainfed situation.
		Sandy loam, rainfed, undulating	Soils are light textured having undulating topography & crops are grown under rainfed situation. No irrigation facility is available.
4	Soil type	Stony & gravelly	Found near the foot hills. Thickness of soil is very less. Used only for recreation purpose and picnic spots.
		Sandy soil	Locally known as balu found near the river soils. They are course textured having less water holding capacity & deficient in plant nutrients.
		Loamy soil	Found near the hills. They are medium textured soil having low water holding capacity. These soils are under cultivation of various types of crops.
		Clay soil	Found near the tanks and rivers. They are heavy textured soil having high water holding capacity. These soils are fertile & very productive. Various type of crop and vegetables are grown.
5	Productivity of major crops of districts	Area (ha)	Productivity (Qtl /ha)
	Rice	35058	31.29
	Maize	1778	24.0
	Wheat	1223	24.0
	Pigeon Pea	1637	12.0
	Mustard	1335	9.0

	Chick pea	901	15.0
	Potato	1248	263.0
	Onion	903	190.2
6	Mean yearly temperature, rainfall, humidity of the district	The Dhanbad district in Jharkhand, India experiences a mean yearly temperature ranging around 25°C, with an average annual rainfall of approximately 1300mm, and high humidity during the monsoon months (July-October), which is when most of the rain falls.	
7	Production of major livestock products like, , etc.	NA	
	milk		
	egg		
	meat		

Note: Please give recent data only

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

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1	Dhanbad	Baliapur	Shitalpur	**Kharif-** Rice, Ragi, Sesame, Black gram, Red gram, vegetable **Rabi-** Wheat, Mustard, Linseed, Gram, Lentil, Potato, Brinjal **Summer-** Moong, Ladyfinger, Bottle guard, Ridge guard.	1. Unavailability of quality seed. 2. Unavailability of quality insecticides. 3. Scarcity of irrigation water during Rabi & Summer. 4. Lack of knowledge about improved scientific cultivation. 5. High cultivation cost of paddy. 6. Damage of grains during storage.	1. Improvement of soil and water conservation practices. 2. Improvement in yield of mono crop rice. 3. Popularization of IPM measures for field and Horticultural crops. 4. Introduction of post harvest & value addition technology.

2	Dhanbad	Baliapur	Salpatra	**Kharif-** Rice, Maize, Sesame, Black gram, Red gram, Vegetables. **Rabi-** Wheat, Mustard, Linseed, Gram, Lentil, Pea, Potato, Brinjal, Cauliflower, Cabbage. **Summer-**Sesame, Moong, Ladyfinger, Cucurbits.	1. Unavailability of quality seed. 2. Unavailability of quality insecticides. 3. Scarcity of irrigation water during Rabi & Summer. 4. Lack of knowledge about improved scientific cultivation. 5. High cultivation cost of paddy. 6. Damage of grains during storage.	1. Improvement of soil and water conservation practices. 2. Improvement in yield of mono crop rice. 3. Popularization of IPM measures for field and Horticultural crops. 4. Introduction of post harvest & value addition technology.
3	Dhanbad	Baliapur	Baghmara	**Kharif-** Rice, Maize, Sesame, Black gram, Red gram, Millets, Vegetables. **Rabi-** Wheat, Mustard, Linseed, Gram, Lentil, Pea, Potato, Brinjal, Cauliflower, Cabbage. **Summer-**Sesame, Moong, Ladyfinger, Cucurbits, Mashroom Cultivation, Duckery and Fisheries.	1. Unavailability of quality insecticides. 2. Scarcity of irrigation water during Rabi & Summer. 3. Lack of knowledge about improved scientific cultivation. 4. High cultivation cost of paddy. 5. Damage of grains during storage. 6. Unavailability of quality seed. 7. Lack of Knowledge of crop diversification.	1. Improvement of soil and water conservation practices. 2. Improvement in yield of mono crop rice. 3. Popularization of IPM measures for field and Horticultural crops. 4. Introduction of post harvest & value addition technology.

2. c. Details of village adoption programme during 2024:

Name of the villages adopted by Sr. Scientist & Head and Scientists (in year 2024) for its development and action plan

Name of village	Block	Action taken for development
Salpatra	Baliapur	Base line survey, Training, FLD and OFT
Shitalpur	Baliapur	Base line survey, Training and FLD
Baliapur Purvi	Baliapur	Base line survey, Training and FLD
Lakhipur	Kaliasol	Base line survey, Training and FLD
Baghmara	Baliapur	Base line survey, Training, FLD and OFT

3. TECHNICAL ACHIEVEMENTS

3.1. Summary details of target and achievement of mandatory activities by KVK during the year 2024

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
8	8	80	6	4	6	4	37	23	49	31	80	13	13	1700	154	106	188	112	638	684	980	902	1882

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
110	118	3000	278	401	341	395	855	883	1514	1643	3159	2000	2092	10000	358	166	412	298	8966	2417	9736	2881	1171 7

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
3000	3159	33	28	24	17	39	42	96	87	183	10000	15514	-	-	-	-	-	-	-	-	-

Seed production (q)			Planting material (in Lakh)		
Target (Crop and variety)	Achievement (q)	Sold (q)	Target (crop and variety)	Achievement	Sold (number)
1. Paddy CR Dhan 3220 -20q target	19.50	17.62	Fruits (Mango & Guava) - 5000	4400	4400
2. Paddy Swarn Shakti-40q target	32.70	0.65	Vegetables (tomato, Brinjal, Chilli)10000	8700	8500
3. Ragi (BM-3)-1.0q target	1.10	1.09	Plantaion crops-2000	3000	1000
4.JowarCSV-20	1.24	1.24			
5. Pigeon pea (BA-2)- 5q target	7.5	7.49			
6. Mustard BBM-1-3q target	2.0	2.0			
7. Wheat (HD2967)-5target	7.25	7.25			

Livestock strains (in no's) and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
NA	**NA**	**1000**	**834**

* Give no. only in case of fish fingerlings

3.2 ACHIEVEMENTS ON TECHNOLOGIES ASSESSED AND REFINED (OFT)

3.2. 1 Technology Assessed by KVK (Discipline wise)

A	**Technologies assessed under various crops (Cereal Crop Production)**			
	Thematic areas	**Number of the technologies (Technology Interventions)**	**No. of trials**	**No. of Locations**
1	Integrated Nutrient Management	1	1	10
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology			
9	Farm Machineries			
10	Integrated Farming System			
11	Seed / Plant production			
12	Post Harvest Technology / Value addition			
13	Drudgery Reduction			
14	Storage Technique			
15	Others (Pl. specify)			
16	Cropping Systems	1	1	10
17	Farm Mechanization			
18	Others			
	Total	**2**	**2**	**20**
B	**Technologies assessed under various crops (Hort crops.)**			
	Thematic areas	**Number of the technologies (Technology Interventions)**	**No. of trials**	**No. of Locations**
1	Integrated Nutrient Management			
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			

7	Weed Management			
8	Resource Conservation Technology	2	2	20
9	Post-harvest Technology / Value addition			
10	Others if any specify			
	Total	**2**	**2**	**20**
C	**Technologies assessed under livestock & Fisheries by KVKs**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Disease & Health Management			
2	Breeding management/Evaluation of Breeds			
3	Feed and Fodder management			
4	Nutrition Management			
5	Production and Management			
6	Processing and Value addition			
7	Fisheries management			
8	Others (waste, ITK etc)			
	Total	**0**	**0**	**0**
D	**Technologies assessed under miscellaneous enterprises by KVKs**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Drudgery reduction			
2	Entrepreneurship Development	2	2	20
3	Health and nutrition			
4	Processing and value addition	2	2	20
5	Energy conservation			
6	Small-scale income generation			
7	Storage techniques			
8	Household food security			
9	Organic farming			
10	Agroforestry management			
11	Mechanization			
12	Resource conservation technology			
13	Value Addition			
14	Others			

	Total	**4**	**4**	**40**
E	**Technologies assessed under various enterprises for women empowerment**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Drudgery Reduction			
2	Entrepreneurship Development			
3	Health and Nutrition			
4	Value Addition			
5	Others			
	Total	**0**	**0**	**0**

3.2.2 OFT (All discipline)

OFT I

1.	**Title of ON FARM TRIAL**	**IMPROVEMENT OF NITROGEN USE EFFICIENCY IN RICE**
2.	**Problem Diagnose**	**Excessive use of chemical fertilizer and spiraling price of urea leads to increase in cost of cultivation.**
3.	**Details of technologies selected for assessment/ refinement**	**Farmer Practice : N:P:K::** 80:40:20)Kg/ha **Technology Option 1** : RDF (N:P:K:: 120:60:40 Kg/ha } **Technology Option II :** 50 % of RDN and 100% PK + 2 sprays of Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water
4.	**Source of Technology**	**BAU, Sabour**
5.	**Production system and thematic area**	**Rice – Fallow, Nutrient Management**
6.	**Performance of the Technology with performance indicators**	**1. Yield Data** **2. No. of effective tillers/m2** **3. 1000 grain weight (g)** **4. Panicle Weight (g)** **5. Grain and straw yield (Q/ha)** **6. Economics** **7. Soil Data before sowing and after harvesting (pH, EC, OC, NPK)**
7.	**Final recommendation for micro level situation**	
8.	**Constrainst identified and feedback for research**	
9.	**Process of farmers participation and their reaction**	

Table 1: Effect of Nano urea application on yield and yield attributing characters of rice crop (var. IR 64 DRT-1) in 2024-25

Treatment	No. of tillers/m2	No. of Panicles / m2	No. of filled grains/panicle	1000 grain weight (g)	Grain Yield (Q/ha)	Straw Yield (Q/ha)	B: C ratio
Farmer Practice : N:P:K:: 80:40:20)Kg/ha	262.4	266.3	161.8	21.5	30.67	5043.7	1.68
Technology Option 1 :RDF (N:P:K::120:60:40 Kg/ha }	288.5	284.9	175.8	23.5	34.99	6094.2	1.98
Technological Option 2: 50% of RDN & 100% PK + 2 sprays of Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water.	276.0	271.0	165.1	22.2	31.89	5255.7	1.77

Table 2 : Available nutrient content of initial soil status and post harvest soil status.

Treatment	pH	EC (ds/m)	Organic Carbon (%)	Available N (Kg/ha)	Available P (Kg/ha)	Available K (Kg/ha)
Farmer Practice : N:P:K:: 80:40:20)Kg/ha	**5.8**	**0.15**	**0.49**	**233**	**18.6**	**123.7**
Technology Option 1 : RDF(N:P:K:: 120:60:40 Kg/ha }	**5.8**	**0.15**	**0.49**	**245**	**18.9**	**128.5**
Technological Option 2: 50% of RDN & 100% PK + 2 sprays of Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water.	**5.8**	**0.15**	**0.49**	**239**	**19.1**	**127.4**
Initial	**5.8**	**0.15**	**0.47**	**227**	**15.9**	**112.6**

Table 3- Economics of application of nano urea in rice crop in 2024-25.

Treatment	Cost of cultivation (Rs./ha)	Gross Return (Rs./ha)	Net Return (Rs./ha)	B:C ratio
Farmer Practice : N:P:K:: 80:40:20)Kg/ha	**27900**	**70541**	**42641**	**1.52**
Technology Option 1 : RDF(N:P:K:: 120:60:40 Kg/ha }	**29500**	**80477**	**50977**	**1.72**
Technological Option 2: 50% of RDN & 100% PK + 2 sprays of Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water.	**28200**	**73347**	**45147**	**1.60**

Farmer Practice : N:P:K:: 80:40:20)Kg/ha

Technology Option I : RDF(N:P:K:: 120:60:40 Kg/ha

Technology Option II : 50% of RDN & 100% PK + 2 sprays of Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water

Improvement of Nitrogen use efficiency in rice

OFT II

1.	**Title of ON FARM TRIAL**	**DIVERSIFICATION OF RICE BASED CROPPING SYSTEMS**
2.	**Problem Diagnose**	**Low profitability of existing cropping system**
3.	**Details of technologies selected for assessment/refinement**	**Farmer Practice : Rice – Wheat (prominent cropping system of district)** **Technology Option 1 : Rice – Maize + Potato** **Technology Option II : Rice – Maize + Vegetable Pea** **Technology Option III : Rice – Wheat – Green gram**
4.	**Source of Technology**	**BAC, Sabour**
5.	**Production system and thematic area**	**Rice – Fallow, Crop Diversification**
6.	**Performance of the Technology with performance indicators**	**1. Rice equivalent yield Q/ha of all crops** **2. Sole crop and intercropping** **3. Cost of cultivation** **4. Soil data before sowing and after harvesting (pH, EC, OC,NPK)**
7.	**Final recommendation for micro level situation**	
8.	**Constraints identified and feedback for research**	
9.	**Process of farmers participation and their reaction**	

Table 1: Effect of Rice based cropping system on yield attributing characters, grain yield and economics of rice crop.

Treatment	No. of effective tillers/m2	1000 grain weight (g)	Panicle weight (g)	Grain yield (Kg/ha)	Straw Yield (Kg/ha)
Farmer Practice: Rice – Wheat (prominent cropping system of district)	**286**	**23.62**	**1.82**	**35.06**	**50.15**
Technological Option1: Rice-Maize + Potato	**291**	**23.78**	**1.82**	**35.74**	**50.35**

Technological Option2: Rice-Maize + Vegetable Pea	**294**	**23.07**	**1.79**	**34.82**	**50.57**
Technological Option3: Rice-wheat –Green gram.	**299**	**23.58**	**1.74**	**35.42**	**49.14**
S.Em					
CD (5%)					

Table 2 – Effect of different crop sequences of yield in rabi and summer crop (q/ha) in 2024-25.

Treatment	**Sole crop**	**Wheat**	**Maize**	**Potato**	**Vegetable Pea**	**Green gram**	**Green Gram**	**Rice equivalent yield (REY) q/ha**
Farmer Practice: Rice – Wheat (prominent cropping system of district)	**35.06**	**Standing crop**	**-**	**-**	**-**	**--**	**-**	**-**
Technological Option1: Rice- Maize + Potato	**35.74**	**-**	**Standing crop**	**Standing crop**	**-**	**-**	**-**	**-**
Technological Option2: Rice-Maize + Vegetable Pea	**34.82**	**-**	**Standing crop**	**-**	**Standing crop**	**-**	**-**	**-**
Technological Option3: Rice-wheat –Green gram.	**35.42**	**Standing crop**		**-**	**-**	**Standing crop**	**-**	**-**
S.Em								
CD (5%)								

Table 3 – Rice Equivalent Yield (REGY), (q/ha) of different crop sequences in 2024-25.

Treatment	**Kharif**	**Rabi**	**Summer**	**Total System**
	Grain yield (q/ha)	**REGY (q/ha)**	**REGY (q/ha)**	**REGY (q/ha)**
Farmer Practice: Rice – Wheat (prominent cropping system of district)	**35.06**	**-**	**-**	**-**
Technological Option1: Rice- Maize + Potato	**35.74**	**-**	**-**	**-**

Technological Option2: Rice-Maize + Vegetable Pea	**34.82**	-	-	-
Technological Option3: Rice-wheat –Green gram.	**35.42**	-	-	-

Table 4 – Cost of cultivation (Rs./ ha) in different crop sequences in 2024-25.

Treatment	Kharif Season (Rs./ha)	Rabi Season (Rs./ha)	Summer Season (Rs./ha)	Total Cost
Farmer Practice: Rice – Wheat (prominent cropping system of district)	**29500**	-	-	-
Technological Option1: Rice- Maize + Potato	**29500**	-	-	-
Technological Option2: Rice-Maize + Vegetable Pea	**29500**	-	-	-
Technological Option3: Rice-wheat – Green gram.	**29500**	-	-	-

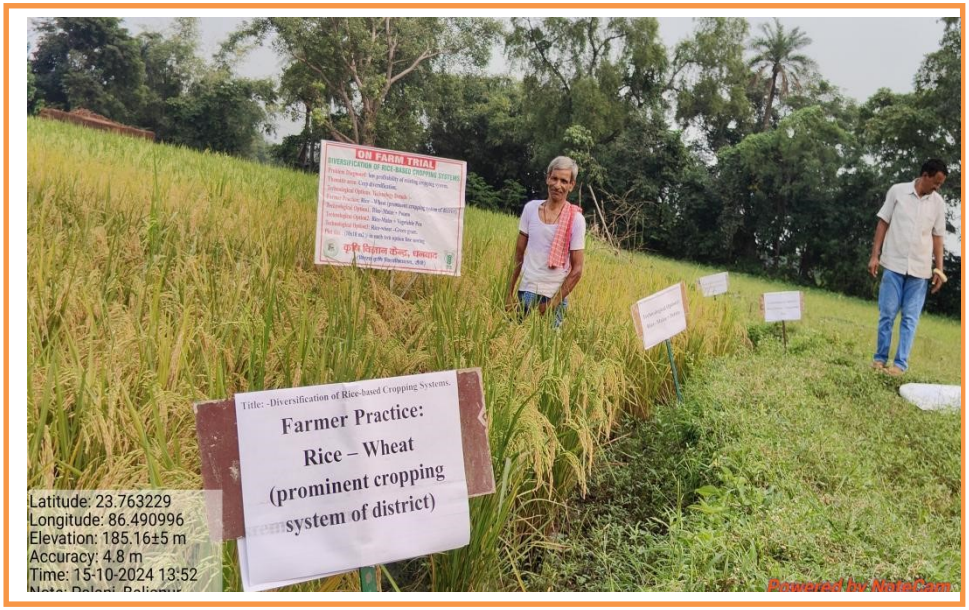
Table 5 – Economics of different cropping systems in 2024-25.

Treatment	Cost of cultivation (Rs./ha)	Gross Return (Rs./ha)	Net Return (Rs./ha)	B:C Ratio
Farmer Practice: Rice – Wheat (prominent cropping system of district)				
Technological Option1: Rice- Maize + Potato				
Technological Option2: Rice-Maize + Vegetable Pea				
Technological Option3: Rice-wheat – Green gram.				

Table 6 : Initial soil status and available nutrient content of soil after harvest the crop in 2024-25.

Treatment	pH	EC (ds/m)	Organic Carbon (%)	Available N (Kg/ha)	Available P (Kg/ha)	Available K (Kg/ha)
Farmer Practice: Rice – Wheat (prominent cropping system of district)						
Technological Option1: Rice-Maize + Potato						
Technological Option2: Rice-Maize + Vegetable Pea						
Technological Option3: Rice-wheat –Green gram						
Initial						

OFT PROGRAMME ON DIVERSIFICATION OF RICE-BASED CROPPING SYSTEMS



Farmer Practice : Rice – Wheat

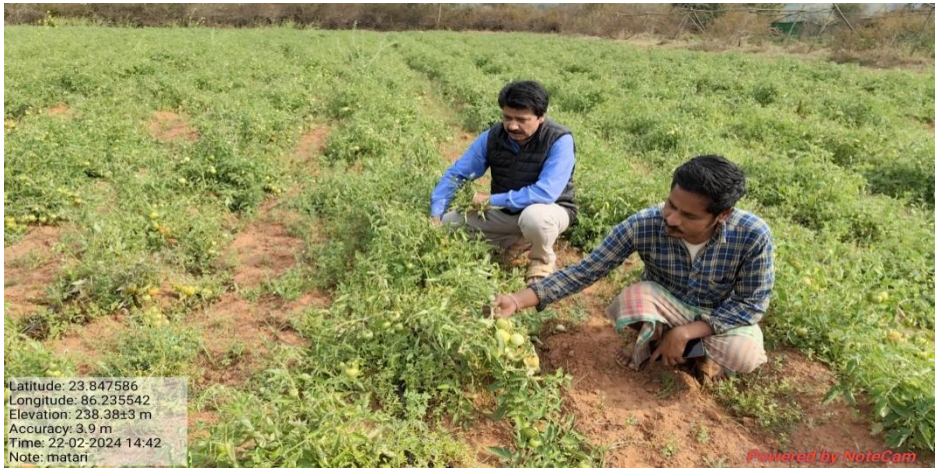
Technology option I : Rice- Maize + Potato

Technology option II : Rice-Maize + Vegetable Pea

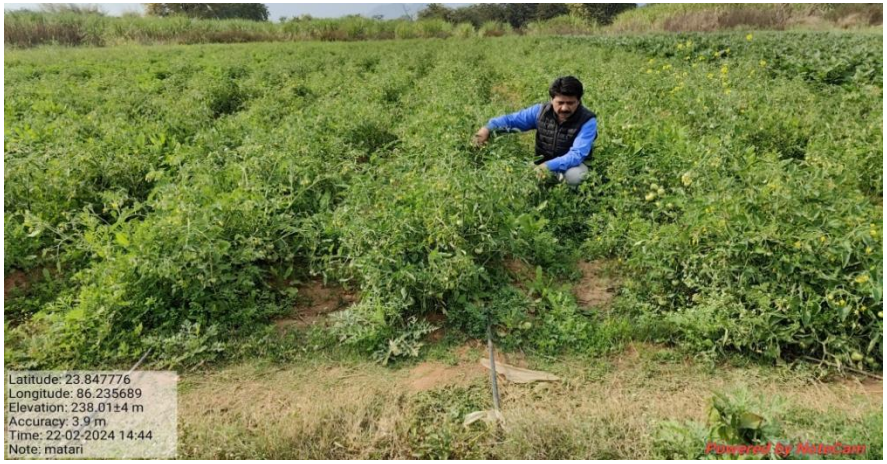
Technology option II : Rice-Maize + Vegetable Pea

OFT-3

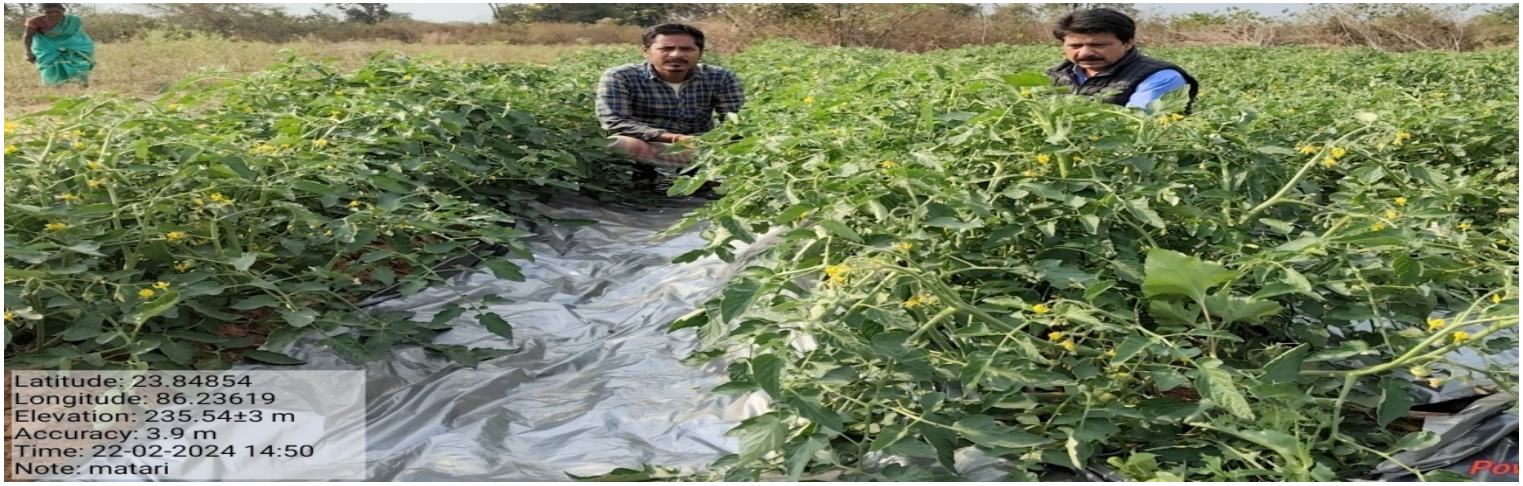
1	Title of On farm Trial	Assessment of different methods irrigation on productivity of tomato in medium land							
2	Problem diagnose	Low production of Tomato due to scarcity of irrigation water in Rabi season							
3	Details of technologies selected for assessment/ refinement	Farmers Practice (FP) : furrow/ bed irrigation Technology option-$_{I}$: Drip irrigation with Crop Residue mulch . Technology option-$_{II}$: Drip irrigation with plastic mulching							
4	Source of Technology	ATARI, Patna							
5	Production system and thematic area	Pulse – Vegetable - Fallow , Natural Resource Management							
6	Performance of the Technology with performance indicators	Technological Options	No. of Trial	No. of Branch/ Plant	Field water use efficiency (Kg/m^3)	Yield (q/ha)	Cost of Cultivation (Rs./ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B C Ratio
		FP	**10**	**13**	**22.3**	**224.3**	**61000**	**179440**	**118440**	**2.94**
		TO $_1$		**16**	**44.1**	**379.4**	**94000**	**303520**	**209520**	**3.23**
		TO $_2$		**18**	**55.3**	**473.1**	**108000**	**378480**	**270480**	**3.50**
7	Final recommendation for micro level situation	**The Technological option-II i.e. Drip Irrigation with plastic mulch has more yield and Benefit Cost Ratio hence may be recommended to farmers in case of Tomato Crop in medium land situation.**							
8	Constraints identified and feedback for research	The cost of plastic mulch is high.							
9	Process of farmers participation and their reaction	Initial cost of cultivation is high.							



Farmers Practice (FP) : Furrow irrigation



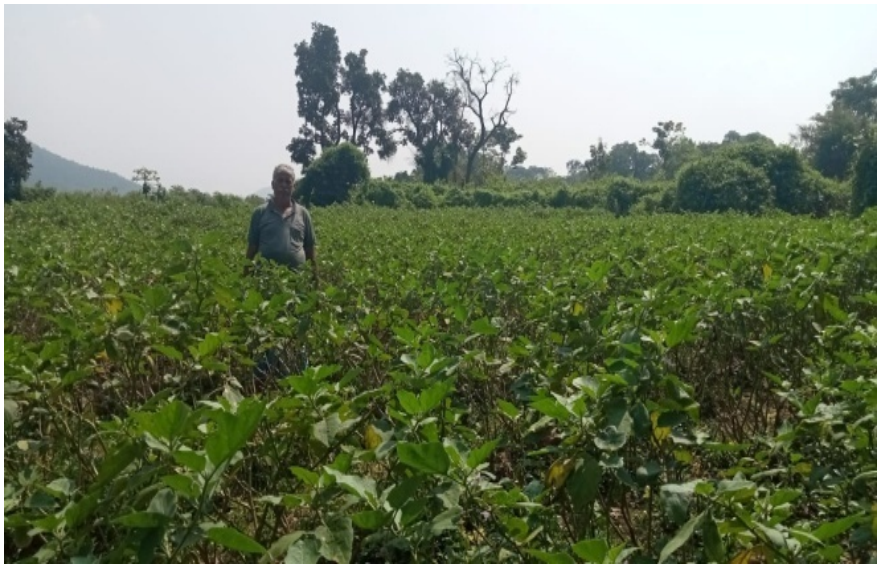
Technology option-$_{I}$: Drip irrigation with Crop Residue mulch



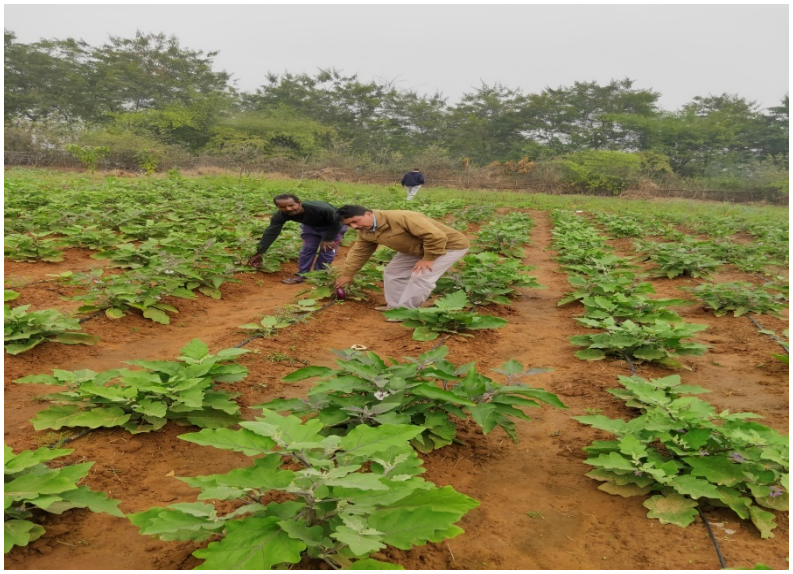
Technology option-$_{II}$: Drip Irrigation Plastic mulch

OFT-4 (On going)

1	Title of On farm Trial	Assessment of Drip Irrigation System in Brinjal Cultivation
2	Problem diagnose	Low production of Brinjal due to scarcity of irrigation water in Rabi season
3	Details of technologies selected for assessment/ refinement	Farmers Practice (FP) : furrow irrigation Technology option-$_{I}$: Single Row Crop with Single Lateral Line of drip . Technology option-$_{II}$: Double Row Crop with Single Lateral Line
4	Source of Technology	IARI, New Delhi
5	Production system and thematic area	Pulse – Vegetable - Fallow , Water Management
6	Performance of the Technology with performance indicators	Crop is Standing
7	Final recommendation for micro level situation	
8	Constraints identified and feedback for research	
9	Process of farmers participation and their reaction	



Farmers Practice (FP) : Furrow irrigation



TO-$_{I}$: Single Row Crop with Single Lateral Line of drip

Technology option-$_{II}$: Double Row Crop with Single Lateral Line

OFT-5 (On going)

1.	Title of On farm Trial	Anaemia Reduction among Practising Farmwomen
2.	Problem diagnosed	(a) **Fatigue in Work Efficiency** (b) Lack of knowledge of Nutritional value of Seasonal fruits and vegetables.
3.	Details of technologies selected for assessment/refinement	Farmers /Farmwomen Practice – Regular Intake of Moringa leaves in Diet TO1: Irregular Daily Diet of Practicing Farmwomen TO2 : Moringa leaves in Paustik Roti (Ingredients: Wheat Four 50 gm, Ragi Flour: 50 gm, Soyabean Flour, Onion 10 gm, Ajwain- 3gm, Oil -25gm, Moringa Leaves 20 gms TO3: Moringa in Paustik Roti (Ingredients: Wheat Four 50 gm, Ragi Flour: 50 gm, Soyabean Flour, Onion 10 gm, Ajwain- 3gm, Oil -25gm, Moringa leaves powder -10 gms TO4 : 100 days IFA tablets from PHC
4.	Source of Technology	BAU, Ranchi
5.	Production system and thematic area	Value addition & Income generation
6.	Performance of the Technology with performance indicators	Health Camp at KVK before & after 3 & 6 Months to record Hb: Height:, Weight: BMI:
7.	Final recommendation for micro level situation	it is recommended that preparation techniques of moringa leaves in paustik roti among the SHGs /FPO/JSLPS should promoted to get FSSAI number. It is also recommended that the techniques of value addition can be initiated as entrepreneurship development among the rural youth and SHGs/FPO from local & underutilized food for nutrition security.
8.	Constraints identified and feedback for research	Lack of Proper Market facility and unaware of rich source of nutrients present in moringa leaves.
9.	Process of farmers participation and their reaction	Farmwomen are happy to adopt this easy techniques in their daily diet to fight hidden hunger/nutrition security by locally and seasonally available moringa leaves in making paushtik Roti for farm families consumption.

OFT- 6 (On Going)

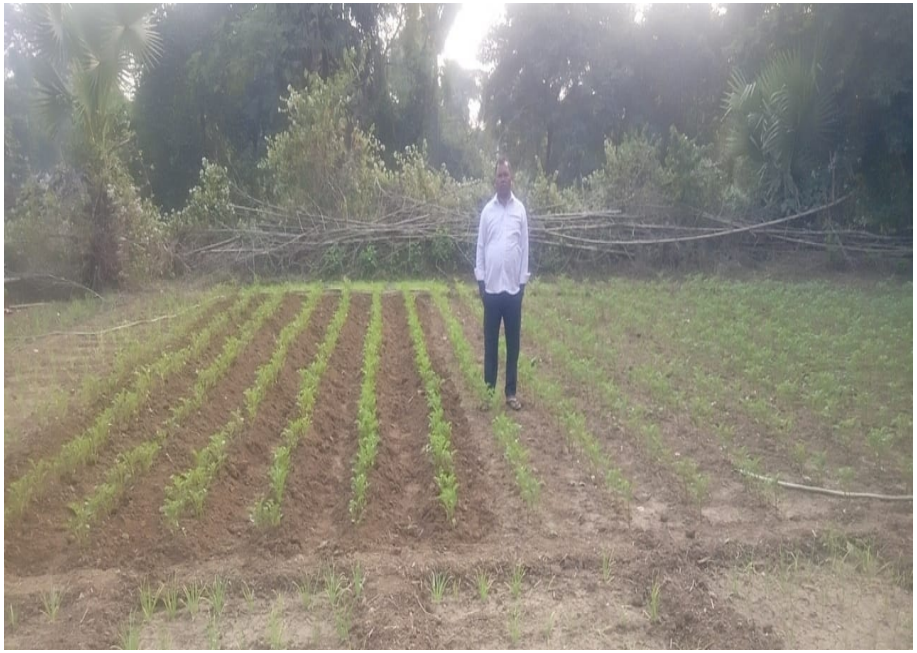
1.	Title of On farm Trial	**Assessment of Preparation methods of Potatoes shelf life & enhancement of Income(ODOP)**
2.	Problem diagnosed	(a) **Low market price during peak season.**
3.	Details of technologies selected for assessment/refinement	Farmers /Farmwomen Practice – Local People Consume fresh vegetable as such as T.O.1 - Preparation of Potato Flakes Sliced Potatoes (3-5mm) - 5. kg, Salt - 50g, Water - 7.5 litre, KMS - 6.0g T.O.2 - Preparation of Potato Flakes with sour taste. Sliced potatoes (3-5mm), - 5.0 kg, Salt - 50g, water - 7.5 litre, KMS - 6.0 g, Glacial Ascetic Acid - 50 ml
4.	Source of Technology	DIC Dhanbad,
5.	Production system and thematic area	Value addition & Income generation
6.	Performance of the Technology with performance indicators	(a) Life & Product Recovery (b) Organoleptic Test (c) Cost/Benefit Ratio
7.	Final recommendation for micro level situation	it is recommended that preparation techniques of Potato Flakes with sour taste has more BC ratio and shelf life better hence may be recommended among farmwomen to enhance income
8.	Constraints identified and feedback for research	Lack of Proper Market facility and unaware of rich source of nutrients present in Potatoes.
9.	Process of farmers participation and their reaction	Farmwomen are happy to adopt this easy techniques for income generation by locally and seasonally available Potato in making flakes with labeling and packaging & also in farm family as well for household consumption.

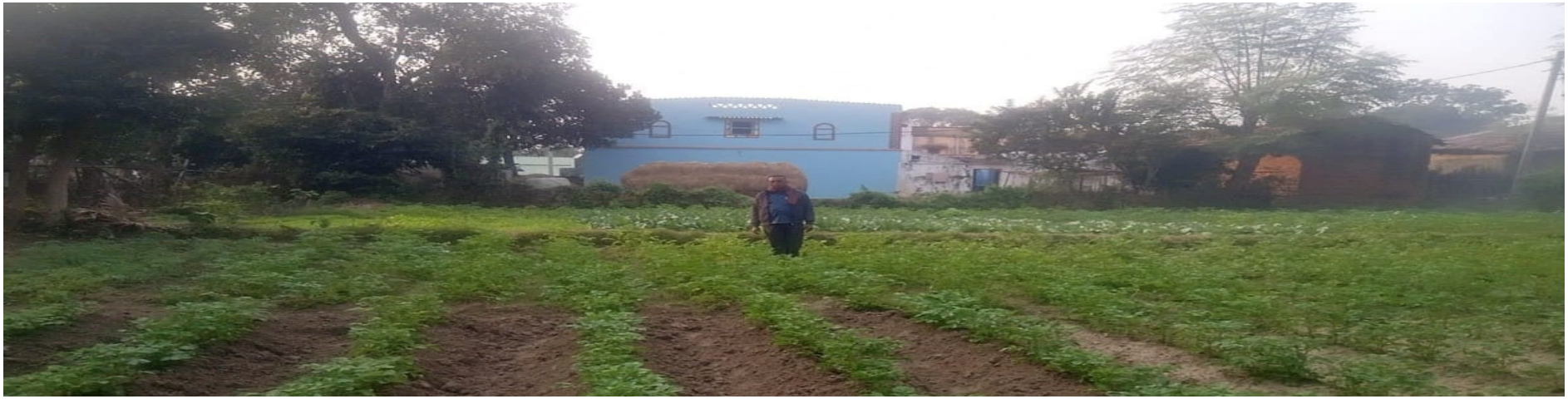
OFT-7

1.	Title of On farm Trial	**Assessment of Effectiveness Extension Methods for dissemination of commercial Vegetable Production Technologies (Potato)**
2.	Problem diagnosed	Not appropriate communication method
3.	Details of technologies selected for assessment/refinement	Farmers Practice (TO-I): Individual contact method (farm and home visit) TO-II :Group contact Method (Demonstration, Lecture, Participatory Discussion/Training) T0-III : Mass Contact (Leaflet, Mobile Advisory, A/V film)
4.	Source of Technology	IARI, ICAR, New Delhi ,ATARI,Patna
5.	Production system and thematic area	Rainfed upland & fertilizer management.
6.	Performance of the Technology with performance indicators	i) Adoption ii) Knowledge. iii) Attitude related to soil Health Card.
7.	Final recommendation for micro level situation	Farmers have no reading or very little reading habit due to illiteracy and lack of good literature in local language. KVK providing the technical literature in local dialect to understand the technology of the production
8.	Constraints identified and feedback for research	Farmers have no reading or very little reading habit due to illiteracy and lack of good literature in local language. KVK providing the technical literature in local dialect to understand the technology of the production

9.	Process of farmers participation and their reaction	Farmers admitted that Mass Contact based social media was found very good and quick in problem solving and technology dissemination

Technology option	**Technical Parameter**			Effectiveness Intensity (N=60)	**Economic Parameter**			
	Effectiveness of extension method(%)							
	Less Effective(N=20)	Effective(N=20)	Most Effective(N=20)		Cost of cultivation (Rs./ha.)	Gross income(Rs./ha.)	Net income(Rs./ha.)	B:C ratio
Farmers Practice (TO-I): Individual contact method (farm and home visit)	6(30)	7(35)	7(35)	1.62	72500	160000	87500	2.20
TO-II :Group contact Method (Demonstration, Lecture, Participatory Discussion/Training)	4(20)	6(30)	10(50)	2.40	73500	220300	146800	2.99
T0-III : Mass Contact (Leaflet, Mobile Advisory, A/V film)	10(50)	4(20)	6(30)	1.32	74200	198600	124600	2.67
Result: TO-II : Group contact Method should be adopted by Extension and experts for effective and easy transfer of Agriculture Technology on Farmers Field.								





OFT-8 (on going)

1.	Title of On farm Trial	**Knowledge dissemination through village library**
2.	Problem diagnosed	Lack of technical knowledge on production technology
3.	Details of technologies selected for assessment/refinement	Farmers Practice (TO-I): Village Library user group TO-II : Non user
4.	Source of Technology	OFT Finalization Workshop, ATARI Patna
5.	Replication	4(30 farmer each village library)
6.	Production System & Thematic Area	Rainfed and upland Group Dynamics and capacity building
7.	Final recommendation for micro level situation	Continue
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

3.3 ACHIEVEMENTS OF FRONTLINE DEMONSTRATIONS (FLD)

A. Overall achievements of FLDs conducted during the year 2024

S.No	Crop category	No. of FLD	Area	No of beneficiaries	Yield in Demo (q/ha)	Yield in check (q/ha)
1.	Cereals	**2**	**25 ha**	**86**	**-**	**-**
2.	Oil Seed					
3.	Pulses					
4.	Horticulture Crops	**3**	**45ha**	**558**	**-**	**-**
5.	Other crops					
6.	Hybrid crop					
7.	Livestock					
8.	Fisheries					
9.	Other enterprises	**1**	**0.5ha**	**10**	**-**	**-**
10.	Women empowerment (Nutri-Garden)	**1**	**5ha**	**10**	**10**	**6**
11.	Farm Machinery					
	Grand Total	**7**	**75.5ha**	**664**	**10**	**6**

B. Details of FLDs conducted during the year 2024

1. Cereals

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
Paddy	Crop Production	Variety (CR Dhan 320) + RDF + Line transplanting	54	18	42.3	31.7	33.43	35000	97200	62200	2.77	29000	72900	43900	2.51
Wheat	Crop Production	Variety (HD 2967) + RDF + Line Sowing	32	7	Crop Standing										

Total															

2. Oilseeds

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

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

3. Pulses

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

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

4. Horticultural crops (separately Fruit, Vegetables, Flower, Medicinal and aromatics, etc. -Nutri Garden

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
1.Brinjal	Vegetable Production	Variety + RDF	158	15	180	124	45.16	75000	360000	285000	4.8	70000	248000	178000	3.54
2.French Bean	Vegetable Production	Variety + RDF	215	15	62	43	44.18	68000	186000	118000	2.73	63000	129000	66000	2.05
3.Tomato	Vegetable Production	Variety + RDF	185	15	365	270	35.18	70000	365000	295000	5.2	65000	270000	205000	4.15
	Total		558	45											

* 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

5. 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
	Total																

6. Demonstration details on crop hybrid varieties

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

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

* 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

7. 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																	
Piggery																	
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

8. 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

9. Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
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

10. Women empowerment

Name of technology	No. of demonstrations	Name of technology	Observations		No. of Beneficiaries
			Check	**Demonstration**	
Women					
Drudgery Reduction					
Enterprises					
Farming System					
Health and nutrition					
Kitchen Garden					
Nutrigarden	10	Improved Varieties of Potato, Cauliflower, Cabbage, Okra, GLVs, Tomato, Broccoli, Brinjal, Bitter gourd, Capsicum, Cucumber, Beet, Carrot, Radish, Onion, Garlic, Ginger , Curry leaves	100-150kg /unit	300-350 kg /unit	10
Storage Technique					
Value addition	10	Mushroom , Millets, Jackfruit, Potato, Tomato	10-20kg/unit	75-80kg/unit	250
Women Empowerment	10	eNAM Registration, Gender empowerment, Plant Protection measure, Natural Farming			35
Others					
Total - Women					
Children					
Health and nutrition					
Others					
Total - Children					
Other if any					
Total others					
Grand Total	0	0			

11. Farm implements and machinery

Category	No. of FLDs	Name of the implement	Crop	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)	Cost reduction (Rs./ha or Rs./Unit)
						Demonstration	Check			
Sowing and planting tools and machineries										
Total Sowing and planting Machineries										
Intercultural operation tools and machineries										
Irrigation management tools and machineries										
Plant protection tools and machineries	1	Knapsak sprayer	Vegetable	30	-	-	-	-	-	-
Harvesting tools and machineries										
Postharvest processing tools and machineries	1	Paddy Thresher	Paddy	11	-	-	-	-	-	-
Total mechanization tools and machineries										
Others										
Total of Others										

* 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

Extension and Training activities under FLD

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

Technical Feedback on the demonstrated technologies (if any)

Sl. No	Crop	Feed Back
1.	Nutri-garden	Vegetables production throughout year for whole farm family

PERFORMANCE OF THE DEMONSTRATION UNDER CFLD ON PULSE AND OILSEED CROPS (CFLD)
(During Kharif, Rabi and Summer)

CLUSTER FRONTLINE DEMONSTRATION OF OILSEEDCROP (2023-24) PERFORMANCE DATA REPORTING

1. Name of KVK:- Krishi Vigyan Kendra, Dhanbad
2. Year of establishment:- 2005
3. Host Institution:- Birsa Agricultural University Ranchi
4. Address:- KVK, Baliapur, Dhanbad
5. District:- Dhanbad
6. State:- Jharkhand
7. Performance of the demonstration: Good

Season: Kharif & Rabi 2023-24
A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
01	Sesame	Local	**3.6**	**80**	**90**	**340**	GT-4 + Line sowing +Seed Treatment + IPM	**82**	**30**	**5.63**	**4.58**	**5.1**	**15.9**	**13.3**	**-**
02	Mustard	Local	6.8	230	200	810	**BBM-1 + Line Sowing + Use of Sulpher @ 20 kg/ha + IPM**	**78**	**30**	13.4	8.7	10.8	18.7	22.7	-
03	Linseed	Local	5.1	20	40	1490	**Priyam** + Line Sowing + IPM	**58**	**20**	9.2	6.7	7.9	49.1	43.6	-

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.	Sesame – GT-4 + Line sowing +Seed Treatment + IPM	**16500**	**30900**	**14400**	**1.87**	**18400**	**39900**	**21500**	**2.17**
2	Mustard - BBM-1+ Line Sowing + Use of Sulpher @ 20 kg/ha + IPM	**19800**	**37000**	**17200**	**1.87**	**23000**	**58860**	**35860**	**2.56**
3	Linseed – **Priyam** + Line Sowing + IPM	**14000**	**26500**	**12500**	**1.89**	**18800**	**41000**	**22200**	**2.18**

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/household)
01	Sesame – GT-4	15300	100kg	Rs.86.00/kg	10kg/household	10kg	Use for own consumption Health	35 Man days/House hold

							Education Social activity	
02	Mustard - BBM-1	32400	350	54.5	10	20	Livelihood, Education	30Man days/House hold
03	Linseed – Priyam	15800	180	52	20	40	Livelihood	20 Man days/House hold

D. Oilseeds 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
02	Sesame – GT-4+ Line Sowing + seed treatment	Suitable in upland in Kharif	Yield is good Demand in marketing due to White colour Fruiting Start from Roots of plant	Yes	Oil Content is low in comparison to Black Til	Acceptable to all farmers of group	In proper seed rate the yield can be get maximum
03	Mustard - BBM-1 + Line Sowing + Use of Sulpher @ 20 kg/ha						
04	Linseed – Priyam+ Line Sowing + seed treatment + IPM	-	-	-	-	-	-

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Yield	Seed capsule setting start from root of the plant	Good	Yield is more than local variety

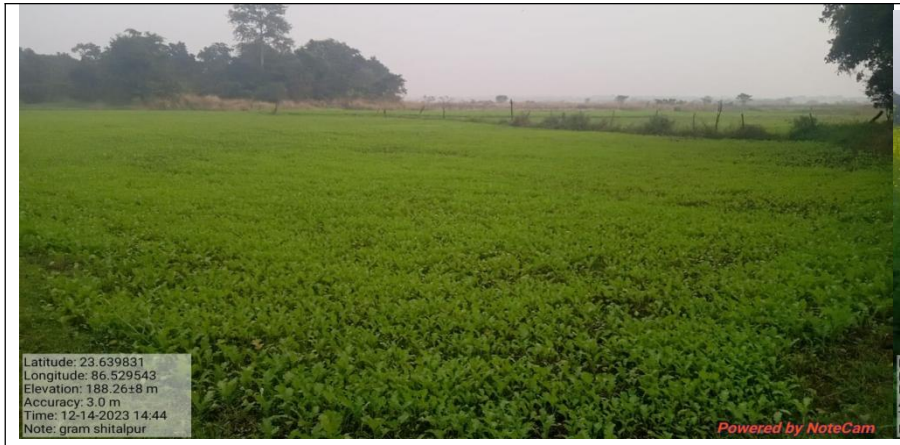
F. Extension activities under FLD conducted:

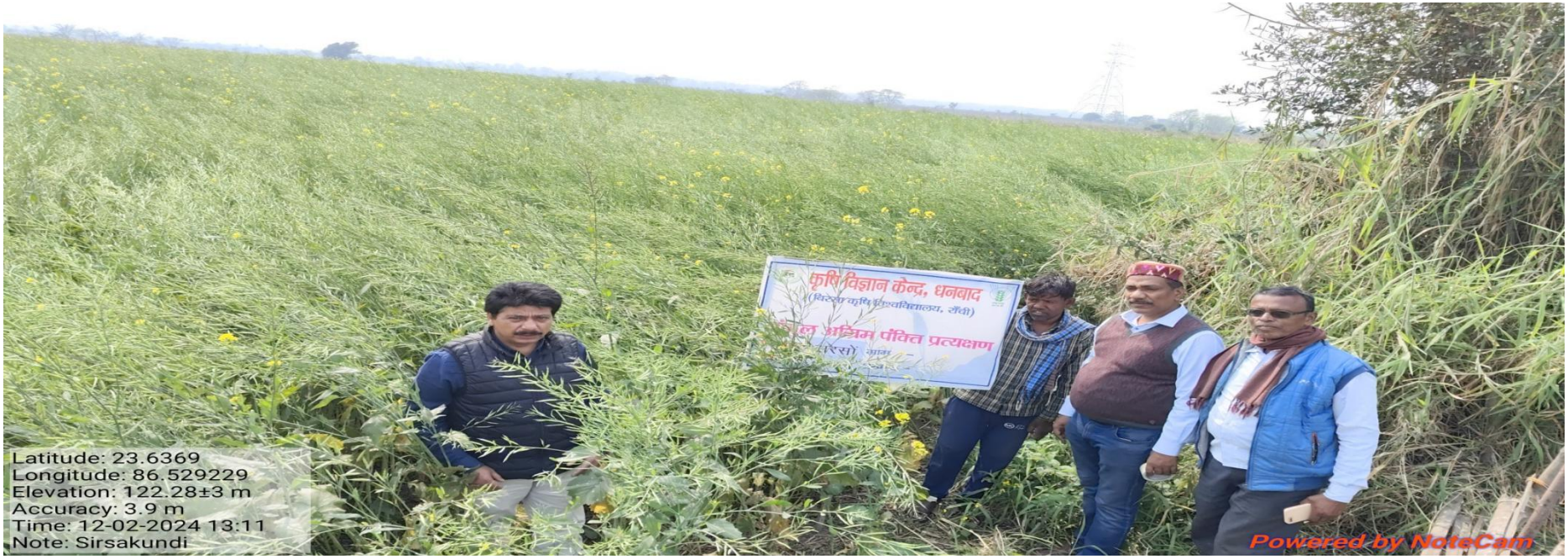
Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
01 Sesame	**Training** **Field Day**	**22.07.2023 KVK, Dhanbad** **29.10.2023**	**42** **16**
02 Mustard	**Training** **Field Day**	**28.10.2023 KVK, Dhanbad** **-**	**52**
03 Linseed	**Training** **Field Day**	**28.11.2023, Shitalpur** **-**	**38**

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

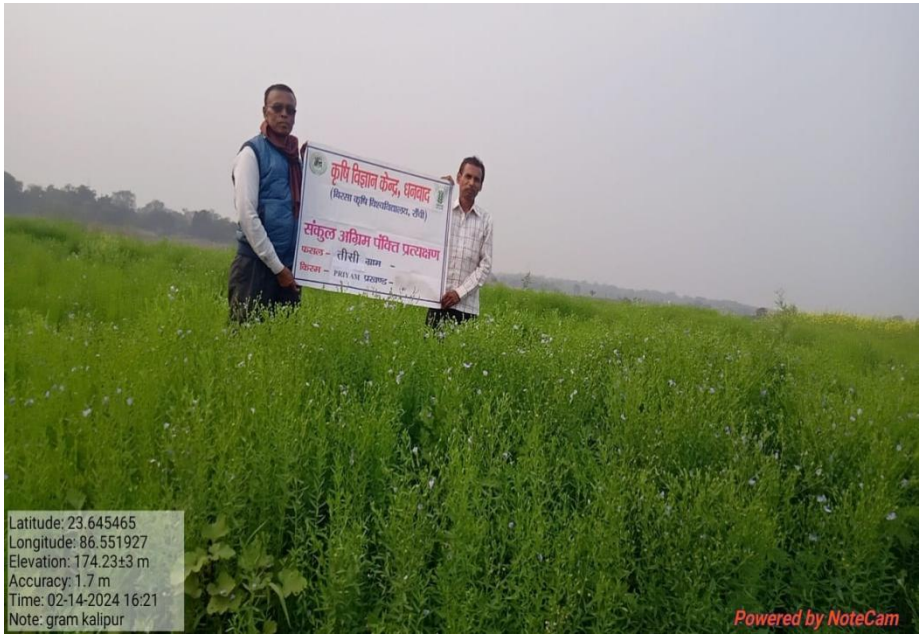
a. Crop: Sesame:

Crop: Mustard





Crop: Linseed



B. Details of budget utilization 2023-24

Crop (Provide crop wise information)	**Items**	**Area (ha) allotted**	**Area (ha) achieved**	**Budget Sanction**	**Budget Received (Rs.)**	**Budget Utilization (Rs.)**	**Balance (Rs.)**
Sesame	i) Critical input	30 ha	30 ha	1,50,000	3,44,335	1,49,038	(-) 81,763
	ii) TA/DA/POL etc. for monitoring						
	iii) Extension Activities (Field Day)						
	iv)Publication of literature						
Mustard	i) Critical input	30 ha	30 ha	1,80,000		1,77,963	
	ii) TA/DA/POL etc. for monitoring						
	iii) Extension Activities (Field Day)						
	iv)Publication of literature						
Linseed	i) Critical input	20 ha	20 ha	1,00,000		99,097	
	ii) TA/DA/POL etc. for monitoring						
	iii) Extension Activities (Field Day)						
	iv)Publication of literature						
	Total			4,30,000		4,26,098	

CLUSTER FRONTLINE DEMONSTRATION OF OILSEEDCROP (2024-25) PERFORMANCE DATA REPORTING

1. Name of KVK:-KrishiVigyan Kendra, Dhanbad
2. Year of establishment:- 2005
3. Host Institution:-Birsa Agricultural University Ranchi
4. Address:- KVK, Baliapur, Dhanbad
5. District:-Dhanbad
6. State:- Jharkhand
7. Performance of the demonstration: Good

PERFORMANCE OF THE DEMONSTRATION UNDER CFLD ON PULSE AND OILSEED CROPS (CFLD) (During Kharif, Rabi and Summer2024-25)

1. Technical Parameters:

S. No.	Crop season	Name of crop demonstrated	Area (ha)	Number of farmers	Detail of technology demonstrated	Detail of existing farmer practice	Yield (q/ha) in farmer field	Yield obtained in demonstration (q/ha)			Yield gap (Kg/ha) w.r.to			Yield gap minimized (%)		
								Max.	Min.	Av.	District yield (D)	State yield (S)	Potential yield (P)	D	S	P
01	Kharif	Groundnut	**60**	**227**	Variety (K-1812) + Line Sowing + Seed Treatment + INM + IPM	Variety (AK12-24) + Broadcasting	**9.2**	17.2	10.6	14.8	340	93	1580	17.46%	46.1%	-
02	Kharif	Sesame	**40**	**116**	Variety (GT-6) + Line sowing + Seed treatment + INM + IPM	Variety (Krishna) + broadcasting	**3.6**	5.6	3.8	4.9	80	90	410	11.36%	8.89%	-
03	Kharif	Soyabean	**40**	**116**	Variety (NRC-128) + Line Sowing+ Seed Treatment+IPM+ Sulphur application	Variety (Local + Broadcasting)	**9.2**	17.3	10.1	14.6	210	340	1880	29.2%	15.8%	-
04	Kharif	Niger	**100**	**255**	Variety (Jawahar Niger-28) + Line Sowing+ Seed Treatment+IPM+	Local Variety + Broadcasting	**2.9**	4.8	2.7	4.1	30	20	310	28.1%	32.2%	-

					Sulphur application											
05	Rabi	Mustard	200	513	Variety (BBM-1) + Line Sowing + Seed Treatment + Sulpher @ 20 kg/ha + IPM + INM	Local Variety + Broadcasting	-	-	-	-	-	-	-	-	-	-
06	Rabi	Linseed	40	107	Variety (Priyam) + Line Sowing + Seed Treatment + IPM + INM	Local Variety + Broadcasting	-	-	-	-	-	-	-	-	-	-

2. Economic parameters

S. No.	Detail of technology demonstrated	Farmer's existing practice				Demonstration technology				Additional Income (Rs/ha)
		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.	Variety (K-1812) + Line Sowing + Seed Treatment + INM + IPM	34200	62400	28200	1.82	42800	100300	57500	2.34	29300
2	Variety (GT-6) + Line sowing + Seed treatment + INM + IPM	17200	33300	16100	1.93	19600	45400	25800	2.31	9700
3	Variety (NRC-128) + Line Sowing+ Seed Treatment+IPM+ Sulphur application	22700	45000	22300	1.98	30200	71400	41200	2.36	18900
4	Variety (Jawahar Niger-28) + Line Sowing+ Seed Treatment+IPM+ Sulphur application	14800	25200	10400	1.7	17000	35700	18700	2.1	8300
5	Variety (BBM-1) + Line Sowing + Seed Treatment + Sulpher @ 20 kg/ha + IPM + INM	-	-	-	-	-	-	-	-	-
6	Variety (Priyam) + Line Sowing + Seed Treatment + IPM + INM	-	-	-	-	-	-	-	-	-

3. Socio-economic impact parameters

S. No.	Name of crop demonstrated	Total produce obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own their own farm (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
01	Groundnut (K-1812)	88800 kg	500 Kg/Household	6783	50 kg	50 kg	• Use for own consumption • Health • Education Social activity	77 mandays / Household
02	Sesame (GT-6)	19600 kg	120 Kg/Household	9267	6.0 kg	10 kg	• Use for own consumption • Health • Education • Social activity	35 mandays / Household
03	Soyabean (NRC-128)	58400	350	4892	50	50	• Use for own consumption • Health • Education • Social activity	43mandays / Household
04	Niger (Jawahar Niger-28)	41000	100	8717	6	10	• Use for own consumption • Health • Education • Social activity	23mandays / Household
05	Mustard (BBM-1)	-	-	-	-	-	-	-
06	Linseed (Priyam)	-	-	-	-	-	-	-

C. Pulses/Oilseed Farmers' perception of the intervention demonstrated

S. No.	Detail of technologies demonstrated	Farmers' Perception parameters						
		Suitability of technology to their	Likings (Preference)	Afford ability (%)	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any	Farmer feedback

		farming system						
01	Groundnut Variety (K-1812) + Line Sowing + Seed Treatment + INM + IPM	Suitable in upland in Kharif	Yield is good	60%	No	Acceptable to all farmers of group	Timely weeding and insect pest control improve the yield	Variety is good and yield is better
02	Sesame Variety (GT-6) + Line sowing + Seed treatment + INM + IPM	Suitable in upland in Kharif	Yield is good Demand in marketing due to White colour Fruiting Start from Roots of plant	75%	Oil Content is low in comparison to Black Til	Acceptable to all farmers of group	In proper seed rate the yield can be get maximum	Variety is good and yield is better
03	Soyabean Variety (NRC-128) + Line Sowing+ Seed Treatment+IPM+ Sulphur application	Suitable in upland in Kharif	Yield is good	70%	No	Acceptable to all farmers of group	No	Variety is good and yield is better
04	Niger Variety (Jawahar Niger-28) + Line Sowing+ Seed Treatment+IPM+ Sulphur application	Suitable in upland in Kharif	Yield is good	75%	No	Acceptable to all farmers of group	In proper seed rate the yield can be get maximum	Variety is good and yield is better
05	Mustard Variety (BBM-1) + Line Sowing + Seed Treatment + Sulpher @ 20 kg/ha + IPM + INM	-	-	-	-	-	-	-
06	Linseed Variety (Priyam) + Line Sowing + Seed Treatment + IPM + INM	-	-	-	-	-	-	-

D. Specific Characteristics of Technology and Performance

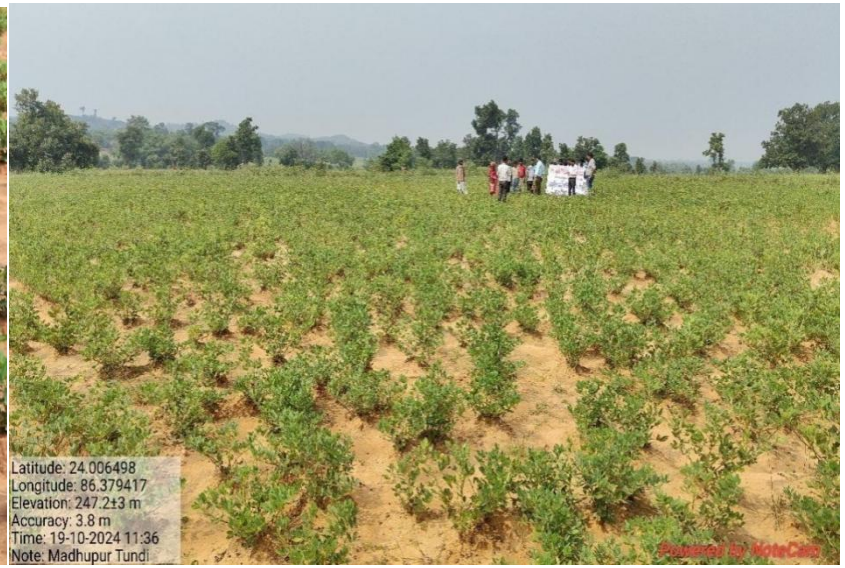
Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
High yielding and drought resistance	Good	Good	Variety is good and yield is better
Yield	Good	Good	Yield is more than local variety
High Yielding	Good	Good	Yield is more than local variety
High Yielding	Good	Good	Yield is more than local variety

E. Extension activities under FLD conducted:

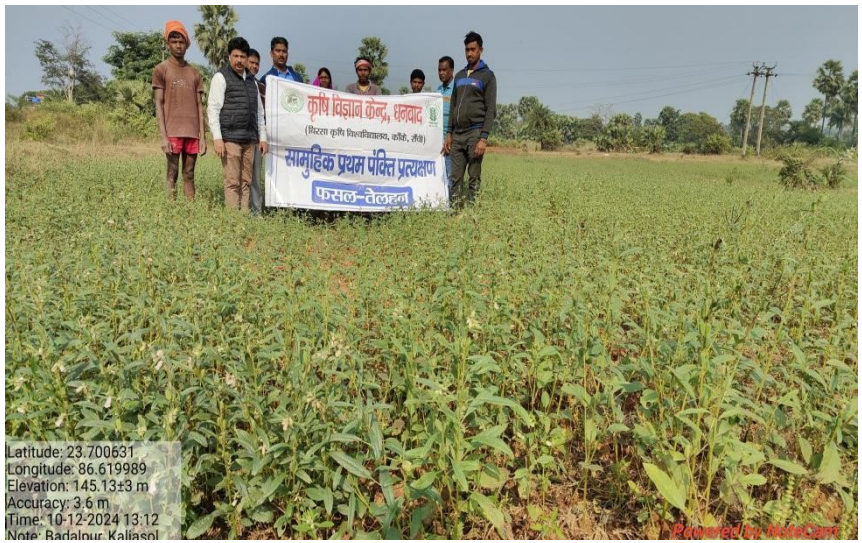
Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
01	Groundnut (Training, Field visit & Field Day)	10-12.06.2024, 03.07.2024, 01.08.2024 & 19.10.2024 (KVK, Kolhar, Tundi & Madhupur)	103
02	Sesame (Training, Field visit & Field Day)	20.06.2024, 05-06.06.2024, 13.07.2024 & 02.11.2024 (Tundi, KVK, Tilaya & Nero)	101
03	Soyabean (Training, Field visit & Field Day)	06.07.2024,07.08.2024, 02.10.2024& 18.10.2024 (Shitalpur, Paharpur, Tilaya & Kherka)	89
04	Niger(Training, Field visit & Field Day)	02.07.2024, 02.08.2024, 08.10.2024, 12.11.2024, 27.11.2024& 30.11.2024 (Gorga, Kolhar, Sijua, Pabra , Bishunpur & Nichitpur)	156
05	Mustard(Training, Field visit & Field Day)	25.11.2024, 27.11.2024, 28.11.2024, 29.11.2024, 07.01.2025 &25.01.2025 (K.V.K., Nichitpur, KVK, Shitalpur, Tundi & Dolabar)	329
06	Linseed(Training, Field visit & Field Day)	28-30.11.2024 & 27.12.2024 (KVK &Jatakhunti)	48

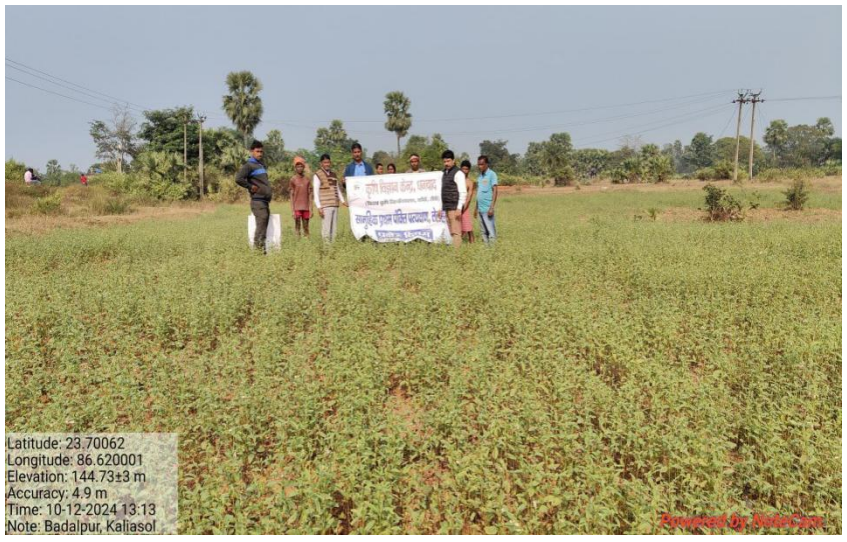
F. Sequential good quality photographs (as per crop stages i.e. growth & development)

Crop: Groundnut



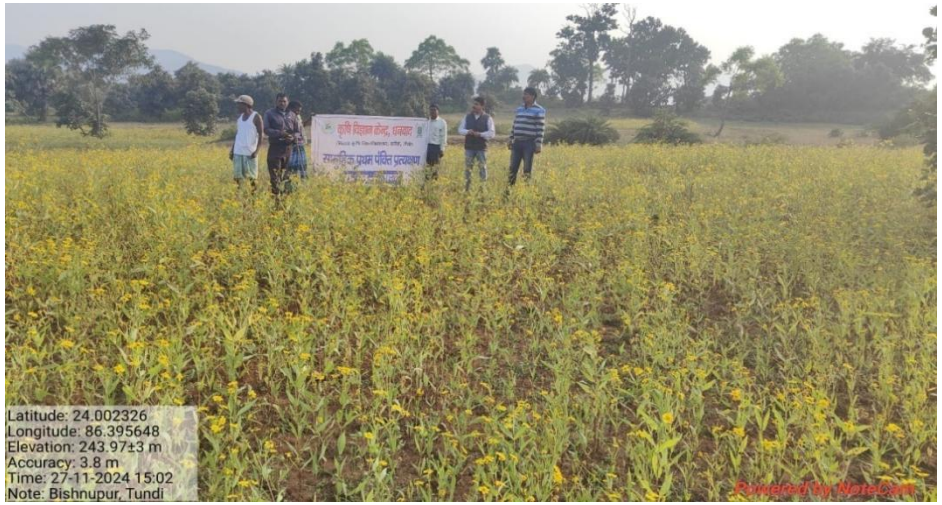
Crop: Sesame



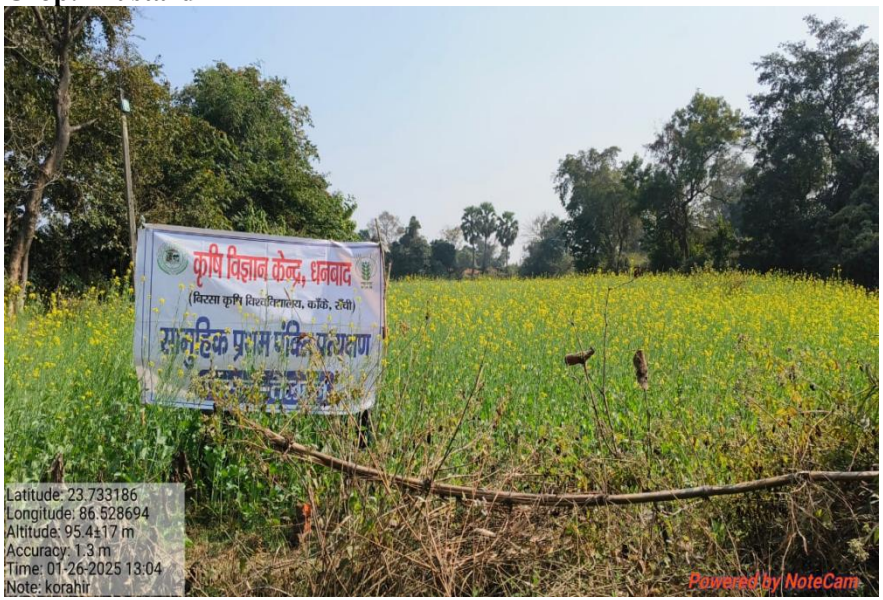


Crop: Soyabean

Crop: Niger:

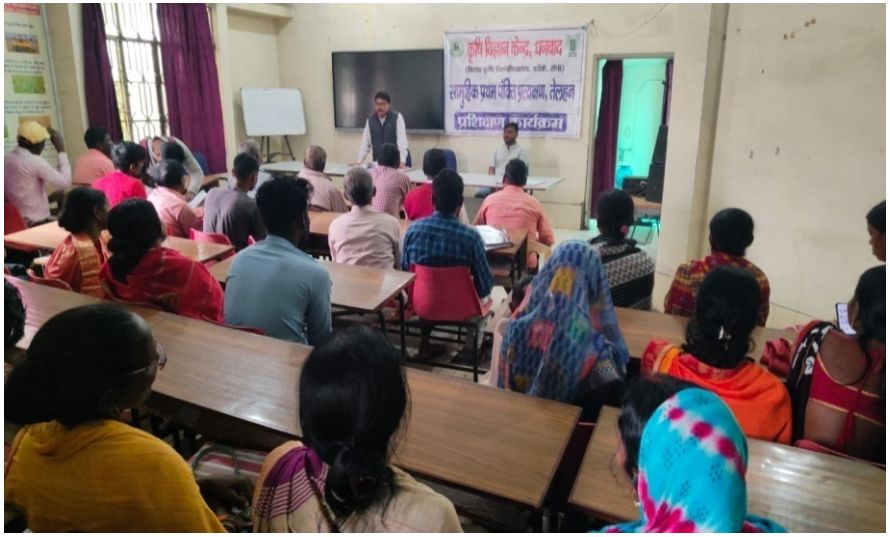


Crop: Mustard



Crop: Linseed

G. Farmers' training photographs



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

I. Details of budget utilization 2024-25

Crop (Provide crop wise information)	Items	Area (ha) allotted	Area (ha) achieved	Budget Sanction	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Groundnut	i) Critical input	60 ha	60 ha	14,40,000	1618500	14,40,000	(-) 3661500
	ii) TA/DA/POL etc. for monitoring						
	iii) Extension Activities (Field Day)						
	iv)Publication of literature						
Sesame	i) Critical input	40 ha	40 ha	3,20,000		3,20,000	
	ii) TA/DA/POL etc. for monitoring						
	iii) Extension Activities (Field Day)						
	iv)Publication of literature						
Soyabean	i) Critical input	40 ha	40 ha	6,00,000		6,00,000	
	ii) TA/DA/POL etc. for monitoring						
	iii) Extension Activities (Field Day)						
	iv)Publication of literature						
Niger	i) Critical input	100 ha	100 ha	8,00,000		8,00,000	
	ii) TA/DA/POL etc. for monitoring						
	iii) Extension Activities (Field Day)						
	iv)Publication of literature						
Mustard	i) Critical input	200 ha	200 ha	18,00,000		14,60,000	
	ii) TA/DA/POL etc. for monitoring						
	iii) Extension Activities (Field Day)						
	iv)Publication of literature						
Linseed	i) Critical input	40 ha	40 ha	3,20,000		2,60,000	
	ii) TA/DA/POL etc. for monitoring						
	iii) Extension Activities (Field Day)						
	iv)Publication of literature						
	Total			5280000		4880000	

3.4 ACHIEVEMENTS ON TRAINING /CAPACITY BUILDING PROGRAMMES

(Mandated KVK trainings/sponsored training /FLD training programmes):

A. Farmers and farm women including the sponsored training programme (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	1	0	1	1	0	25	25	0	0	0	1	25	26
Resource Conservation Technologies	1	11	10	21	0	0	0	5	2	7	16	12	28
Cropping Systems	2	10	20	30	2	2	4	4	2	6	26	14	40
Crop Diversification	1	24	8	32	5	0	5	6	0	6	35	8	43
Integrated Farming	3	12	42	54	2	12	14	5	7	12	19	61	80
Water management	1	0	0	0	0	0	30	0	0	0	30	0	30
Seed production	1	0	26	26	0	2	2	0	3	3	0	31	31
Nursery management	2	20	5	25	5	5	10	5	5	10	30	15	45
Integrated Crop Management	1	24	0	24	0	0	0	0	8	8	24	8	32
Fodder production													
Production of organic inputs	2	10	10	20	0	5	5	10	5	15	20	20	40
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development	3	46	1	47	5	0	5	4	0	4	55	1	56
Yield increment	2	6	15	21	0	12	12	1	6	7	7	33	40
Production of low volume and high value crops	1	4	5	9	0	0	0	28	3	31	32	8	40
Off-season vegetables	1	16	3	19	3	1	4	4	1	0	20	4	24
Nursery raising													
Export potential vegetables	1	5	23	28	1	5	6	0	6	6	8	32	40
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	1	7	11	18	5	3	8	3	1	4	15	15	30
Others, if any (Cultivation of													

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
Vegetable)													
Training and pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit	1	7	11	18	5	3	8	3	1	4	15	15	30
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology	1	0	0	0	0	0	0	30	0	30	30	0	30
Processing and value addition	1	22	4	26	5	0	5	2	2	4	29	6	35
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post-harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management	1	11	9	20	1	3	4	1	2	3	13	14	27
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs	1	5	8	13	3	5	8	2	1	3	13	14	27
Management of Problematic soils													
Micro nutrient deficiency in crops	2	5	15	20	20	5	25	5	5	10	30	25	55
Nutrient Use Efficiency													
Soil and Water Testing	3	43	26	69	1	3	4	0	4	4	44	33	77
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/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
empowerment													
Household food security by kitchen gardening and nutrition gardening	1	5	13	18	1	5	6	2	5	7	8	23	31
Design and development of low/minimum cost diet	1	9	0	9	25	0	25	0	0	0	34	0	34
Designing and development for high nutrient efficiency diet	2	0	3	3	0	13	13	0	24	24	0	40	40
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs	1	0	16	16	0	4	4	0	9	9	0	29	29
Storage loss minimization techniques													
Enterprise development													
Value addition	1	4	10	14	8	6	14	1	11	12	13	27	40
Income generation activities for empowerment of rural Women	1	0	19	19	0	0	0	2	2	0	0	21	21
	1	4	5	9	0	0	0	0	0	0	4	5	9
Location specific drudgery reduction technologies	3	0	20	20	0	27	27	0	33	33	0	80	80
Rural Crafts													
Capacity building	1	2	7	9	0	0	0	0	0	0	2	7	9
Women and child care	1	0	20	20	0	0	6	6	0	0	0	26	26
Others, if any													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems	4	49	33	82	6	8	14	5	3	8	60	45	105
Use of Plastics in farming practices	1	8	11	19	1	2	3	2	2	4	11	15	26
Production of small tools and implements													
Repair and maintenance of farm machinery and implements	1	0	0	0	0	30	30	0	0	0	27	3	30
Small scale													

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													
Post-Harvest Technology	1	5	0	5	5	5	10	10	20	30	15	30	45
Others, if any													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any	1	0	0	0	12	18	30	0	0	0	12	18	30
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
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, if any													
IX. Production of													

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
Inputs at site													
Seed Production	2	5	7	12	0	0	0	15	35	50	20	42	62
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production	2	18	8	26	4	6	10	5	8	13	27	22	49
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													
Others, if any													
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, if any													
XI Agro-forestry													
Production technologies	1	10	10	20	2	3	5	0	0	0	12	13	25
Nursery management		10	0	10	6	5	11	11	4	15	25	9	36
Integrated Farming Systems													
XII. Others (Pl. Specify)													

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	60	417	435	852	133	223	392	177	220	382	782	849	1633

B) Rural Youth Including the sponsored training programmes (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
Mushroom Production	2	17	34	51	0	2	2	0	4	4	17	40	57
Bee-keeping													
Integrated farming													
Seed production	1	19	4	23	0	0	0	0	0	0	19	4	23
Production of organic inputs	1	10	0	10	7	1	8	20	2	22	37	3	40
Integrated Farming	1	29	0	29	6	0	6	3	0	3	38	0	38
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	1	14	13	27	3	0	3	0	0	0	17	13	30
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition	1	5	19	24	0	1	1	0	1	1	5	21	26
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development	2	10	24	34	0	2	2	0	1	1	10	27	37
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching	1	5	4	9	6	7	13	4	5	9	15	16	31
Rural Crafts													
TOTAL	10	109	98	207	22	13	35	27	13	40	158	124	282

C) Extension Personnel Including the sponsored training programmes (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	1	8	5	13	1	0	1	10	6	16	19	11	30
Value addition													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing	1	0	18	18	0	13	13	0	0	0	0	31	31
Production and use of organic inputs													
Gender mainstreaming through SHGs													
TOTAL	2	8	23	31	1	14	14	10	6	16	19	42	61

D) Farmers and farm women Including the sponsored training programmes (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													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification	1	6	1	7	2	1	3	0	0	0	8	2	10
Integrated Farming													
Water management	1	4	4	8	6	5	11	9	12	21	19	21	40
Seed production													
Nursery management	1	3	20	23	0	1	1	0	1	1	3	22	25
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	1	14	10	24	3	5	8	0	0	0	17	15	32

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
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management	1	14	10	24	2	0	2	2	3	5	18	13	31
Enterprise development													
Skill development	1	3	0	3	0	0	0	0	0	0	3	0	3
Yield increment													
Production of low volume and high value crops	1	0	0	0	0	0	0	16	10	26	16	10	26
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and pruning													
b) Fruits													
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, if any(INM)													
c) Ornamental Plants													
Nursery Management	1	8	6	14	11	10	21	0	0	0	19	16	35
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology	2	28	10	38	8	2	10	6	2	8	42	14	56
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology	1	5	26	31	1	2	3	1	5	6	7	33	40
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology	2	0	0	0	0	0	0	21	32	53	21	32	53
Post-harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	1	2	3	4	19	23	1	3	4	6	27	33
Design and development of low/minimum cost diet	2	0	26	26	4	14	18	1	10	11	5	50	55
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing	1	2	6	8	0	0	0	0	0	0	2	6	8
Gender mainstreaming through SHGs	1	0	0	0	0	28	28	0	0	0	0	28	28
Storage loss minimization techniques									.				
Enterprise development	1	0	30	30	0	0	4	4	0	0	0	34	34
Value addition													
Income generation activities for empowerment of rural 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
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care	3	10	39	49	5	7	12	0	0	0	15	46	61
Others, if any													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices	1	8	11	19	2	1	3	1	3	4	11	15	26
Production of small tools and implements	1	0	0	0	0	0	0	12	15	27	12	15	27
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post-Harvest Technology	1	8	4	12	6	2	8	7	4	11	21	13	34
Others, if any													
VII. Plant Protection													
Integrated Pest Management	1	4	0	4	0	1	1	0	1	1	4	2	6
Integrated Disease Management													
Bio-control of pests and diseases	1	9	5	14	0	0	0	0	0	0	9	5	14
Production of bio control agents and bio pesticides	1	0	0	0	0	0	0	3	2	5	3	2	5
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
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, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production	3	101	24	125	6	3	9	5	6	11	112	33	145
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													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs	1	0	12	12	0	12	12	0	2	2	0	26	26
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	32	228	246	474	60	113	177	89	111	196	373	480	853

E) RURAL YOUTH Including the sponsored training programmes (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
Mushroom Production	2	10	19	19	10	10	20	2	12	14	32	31	63
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming	1	0	14	14	0	5	5	0	0	0	0	19	19
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	1	6	4	10	7	8	15	4	4	8	17	16	33
Nursery Management of Horticulture crops	1	0	14	14	0	5	5	0	0	0	0	19	19

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
Training and pruning of orchards													
Value addition	1	7	11	18	11	0	1	1	0	1	9	11	20
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology	1	6	4	10	7	8	15	4	4	8	17	16	33
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL	7	29	66	85	35	36	61	11	20	31	75	112	187

F) Extension Personnel Including the sponsored training programmes (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	27	4	31	2	2	4	3	2	5	32	8	40
Integrated Pest Management	1	16	2	18	15	0	15	12	0	12	43	2	45
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs	1	4	23	27	1	5	6	1	6	7	6	24	30
Group Dynamics and farmers organization	1	1	3	4	1	2	3	3	1	4	5	6	11
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements	1	2	2	4	1	2	3	3	8	11	5	10	15

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing	2	10	0	10	5	15	20	5	10	15	10	30	40
Production and use of organic inputs													
Gender mainstreaming through SHGs	1	4	11	15	2	2	4	0	0	0	6	13	19
Crop intensification													
TOTAL	8	64	45	109	27	28	55	27	27	54	107	93	200

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	1	0	1	1	0	25	25	0	0	0	1	25	26
Resource Conservation Technologies	1	11	10	21	0	0	0	5	2	7	16	12	28
Cropping Systems	2	10	20	30	2	2	4	4	2	6	26	14	40
Crop Diversification	2	30	9	39	7	1	8	6	0	6	43	10	53
Integrated Farming	3	12	42	54	2	12	14	5	7	12	19	61	80
Water management	2	4	4	8	6	5	41	9	12	21	49	21	70
Seed production	1	0	26	26	0	2	2	0	3	3	0	31	31
Nursery management	3	23	25	48	5	6	11	5	6	11	33	37	70
Integrated Crop Management	1	24	0	24	0	0	0	0	8	8	24	8	32
Fodder production													
Production of organic inputs	2	10	10	20	0	5	5	10	5	15	20	20	40
Others, (cultivation of crops)	1	14	10	24	3	5	8	0	0	0	17	15	32
TOTAL	19	138	157	295	25	63	118	44	45	89	248	254	502
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management	1	14	10	24	2	0	2	2	3	5	18	13	31
Enterprise development													
Skill development	4	49	1	50	5	0	5	4	0	4	58	1	59
Yield increment	2	6	15	21	0	12	12	1	6	7	7	33	40
Production of low volume and high value crops	2	4	5	9	0	0	0	44	13	57	48	18	66
Off-season vegetables	1	16	3	19	3	1	4	4	1	0	20	4	24
Nursery raising													
Exotic vegetables like Broccoli													

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	1	5	23	28	1	5	6	0	6	6	8	32	40
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	1	7	11	18	5	3	8	3	1	4	15	15	30
Others, if any (Cultivation of Vegetable)													
TOTAL	12	101	68	169	16	21	37	58	30	83	174	116	290
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	1	7	11	18	5	3	8	3	1	4	15	15	30
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL	1	7	11	18	5	3	8	3	1	4	15	15	30
c) Ornamental Plants													
Nursery Management	1	8	6	14	11	10	21	0	0	0	19	16	35
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL	1	8	6	14	11	10	21	0	0	0	19	16	35
d) Plantation crops													
Production and Management technology	3	28	10	38	8	2	10	36	2	38	72	14	86
Processing and value addition	1	22	4	26	5	0	5	2	2	4	29	6	35
Others, if any													
TOTAL	4	50	14	64	13	2	15	38	4	42	101	20	121
e) Tuber crops													
Production and Management technology	1	5	26	31	1	2	3	1	5	6	7	33	40
Processing and value addition													
Others, if any													
TOTAL	1	5	26	31	1	2	3	1	5	6	7	33	40
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													

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													
Production and management technology	2	0	0	0	0	0	0	21	32	53	21	32	53
Post harvest technology and value addition													
Others, if any													
TOTAL	2	0	0	0	0	0	0	21	32	53	21	32	53
III. Soil Health and Fertility Management													
Soil fertility management	1	11	9	20	1	3	4	1	2	3	13	14	27
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs	1	5	8	13	3	5	8	2	1	3	13	14	27
Management of Problematic soils													
Micro nutrient deficiency in crops	2	5	15	20	20	5	25	5	5	10	30	25	55
Nutrient Use Efficiency													
Soil and Water Testing	3	43	26	69	1	3	4	0	4	4	44	33	77
Others, if any													
TOTAL	7	64	58	122	25	16	41	8	12	20	100	86	186
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	2	6	15	21	5	24	29	3	8	11	14	50	64
Design and development of low/minimum cost diet	3	9	26	35	29	14	43	1	10	11	39	50	89
Designing and development for high nutrient efficiency diet	2	0	3	3	0	13	13	0	24	24	0	40	40
Minimization of nutrient loss in processing	1	2	6	8	0	0	0	0	0	0	2	6	8
Gender mainstreaming through SHGs	2	0	16	16	0	32	32	0	9	9	0	57	57
Storage loss minimization techniques													
Enterprise development	1	0	30	30	0	0	4	4	0	0	0	34	34
Value addition	1	4	10	14	8	6	14	1	11	12	13	27	40

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
Income generation activities for empowerment of rural Women	2	4	24	28	0	0	0	2	2	0	4	26	30
Location specific drudgery reduction technologies	3	0	20	20	0	27	27	0	33	33	0	80	80
Rural Crafts													
Capacity building	1	2	7	9	0	0	0	0	0	0	2	7	9
Women and child care	4	10	59	69	5	7	18	6	0	0	15	72	87
Others, if any													
TOTAL	22	37	216	253	47	123	180	17	97	100	89	449	538
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems	4	49	33	82	6	8	14	5	3	8	60	45	105
Use of Plastics in farming practices	2	16	22	38	3	3	6	3	5	8	22	30	52
Production of small tools and implements	1	0	0	0	0	0	0	12	15	27	12	15	27
Repair and maintenance of farm machinery and implements	1	0	0	0	0	30	30	0	0	0	27	3	30
Small scale processing and value addition													
Post-Harvest Technology	2	13	4	17	11	7	18	17	24	41	36	43	79
Others, if any	1	0	0	0	12	18	30	0	0	0	12	18	30
TOTAL	11	78	59	137	32	66	98	37	47	84	169	154	323
VII. Plant Protection													
Integrated Pest Management	1	4	0	4	0	1	1	0	1	1	4	2	6
Integrated Disease Management													
Bio-control of pests and diseases	1	9	5	14	0	0	0	0	0	0	9	5	14
Production of bio control agents and bio pesticides	1	0	0	0	0	0	0	3	2	5	3	2	5
Others, if any													
TOTAL	3	13	5	18	0	1	1	3	3	6	16	9	25
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production	2	5	7	12	0	0	0	15	35	50	20	42	62
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production	5	119	32	151	10	9	19	10	14	24	139	55	194
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													
Others, if any													
TOTAL	7	124	39	163	10	9	19	25	49	74	159	97	256
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, if any													
TOTAL													
XI Agro-forestry													
Production technologies	1	10	10	20	2	3	5	0	0	0	12	13	25
Nursery management	1	10	0	10	6	5	11	11	4	15	25	9	36
Integrated Farming Systems													
TOTAL	2	20	10	30	8	8	16	11	4	15	37	22	61
XII. Others (Pl. specify)													
TOTAL	92	645	669	1314	193	324	557	266	329	576	1155	1303	2460

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
Mushroom Production	4	27	53	70	10	12	22	2	16	18	49	71	120
Bee-keeping													
Integrated farming	2	29	14	43	6	5	11	3	0	3	38	19	57
Seed production	1	19	4	23	0	0	0	0	0	0	19	4	23
Production of organic inputs	1	10	0	10	7	1	8	20	2	22	37	3	40
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	2	20	17	37	10	8	18	4	4	8	34	29	63
Nursery Management of Horticulture crops	1	0	14	14	0	5	5	0	0	0	0	19	19
Training and pruning of orchards													
Value addition	2	12	30	42	11	1	2	1	1	2	14	32	46
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling													

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
rearing													
Small scale processing													
Post-Harvest Technology	1	6	4	10	7	8	15	4	4	8	17	16	33
Tailoring and Stitching	1	5	4	9	6	7	13	4	5	9	15	16	31
Rural Crafts													
Enterprise development	2	10	24	34	0	2	2	0	1	1	10	27	37
Others if any (ICT application in agriculture)													
TOTAL	17	138	164	292	57	49	96	38	33	71	233	236	469

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	27	4	31	2	2	4	3	2	5	32	8	40
Integrated Pest Management	1	16	2	18	15	0	15	12	0	12	43	2	45
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation and Management of SHGs	1	4	23	27	1	5	6	1	6	7	6	24	30
Group Dynamics and farmers organization	1	1	3	4	1	2	3	3	1	4	5	6	11
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements	1	2	2	4	1	2	3	3	8	11	5	10	15
WTO and IPR issues													
Management in farm animals													

Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing	3	18	5	23	6	15	21	15	16	31	29	41	70
Production and use of organic inputs													
Gender mainstreaming through SHGs	1	4	11	15	2	2	4	0	0	0	6	13	19
Crop intensification													
Others if any													
TOTAL	9	72	50	122	28	28	56	37	33	70	126	104	230

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 SC/ST**			**Number of participants (others)**			**Overall participants**
					M	**F**	**Total**	**M**	**F**	**Total**	
H.Sc.	Nutrition Gardening	PF	1	ON	0	29	29	0	14	14	43
Agronomy	Production and use of organic inputs	PF	3	ON	15	15	30	8	4	12	42
Agril. Engg.	Water management in rabi crop	PF	1	OFF	23	7	30	11	2	13	43
Agronomy	Weed management in wheat crop	PF	1	OFF	20	4	24	4	1	5	29
H.Sc.	Mushroom cultivation and value addition for self employment	PF	1	ON	2	26	28	0	13	13	41
H.Sc.	Training for farmwomen on Nutri Gardening	PF	1	ON	0	28	28	0	21	21	49
Agril. Engg.	Use and maintenance of Different Agril. Implements	PF	1	OFF	28	9	37	35	2	37	74
Agril. Engg.	Water Management in Summer Vegetable	PF	1	ON	24	0	24	1	0	1	25
H.Sc.	Herbal gulal making for income generation by extension functionaries	EF	1	ON	1	21	22	0	11	11	33
Agril. Extension	Digital Marketing for extn functionaries of FPOs	EF	1	OFF	11	16	27	2	6	8	35
Agronomy	Summer moong cultivation	PF	1	ON	18	8	26	7	0	7	33
H.Sc.	Value addition of	PF	1	ON	4	19	23	0	10	10	33

	finger millet										
Agronomy	Soil testing and analysis	RY skill	8	ON	1	3	4	1	0		4
H.Sc.	Mushroom Cultivation & Drudgery Reduction	PF	3	ON	4	38	42	0	0	0	42
Agril. Engg.	Energy Conservation in Agriculture Sector	PF	1	ON	15	38	53	5	12	17	70
Agril. Engg.	Water Management in summer crop	PF	3	ON	4	26	30	1	0	1	31
Agril. Engg.	Benefits of summer ploughing	PF	1	ON	16	12	28	5	2	7	35
Agronomy	Soil sampling and analysis	RY Skill	8	ON	0	15	15	0	6	6	21
Agronomy	Soil sampling and analysis	RY Skill	8	ON	2	21	23	0	3	3	26
Agronomy	Integrated Farming System	PF	3	ON	1	39	40	0	12	12	52
Agril. Engg.	Soil and Water Conservation Technique	PF	3	ON	35	5	40	6	0	6	46
Agril. Engg.	Integrated Watershed Management	PF	1	ON	21	19	40	10	3	13	53
H.Sc.	Mango, millet processing & value addition	RY	5	ON	0	19	19	0	0	0	19
Agronomy	Advance technology of paddy nursery production	PF	1	ON	4	22	26	1	0	1	27
H.Sc.	Mushroom cultivation and value addition	PF	1	ON	7	22	29	0	8	8	37
Agril. Extension	Nursery raising techniques for horticultural crops	PF	1	ON	4	26	30	0	8	8	38
Agril. Engg.	Importance of farm implements for field preparation of kharif crop	PF	1	OFF	14	15	29	6	0	6	35
Agronomy	Scientific cultivation of kharif pulse crop	PF	3	ON	16	9	25	6	0	6	31
Agril. Engg.	Rain water harvesting technique	PF	3	ON	18	16	34	3	1	4	38
Agril. Extension	Millet processing for business plan	RY vocational	1	ON	0	23	23	0	10	10	33
Agronomy	Cultivation of drought resistant variety of different crops of Kharif Season	PF	1	ON	24	16	40	8	3	11	51
Agronomy	Cultivation technique of different millet crop.	PF	2	ON	4	20	24	2	20	22	46
Agril. Extension	Nursery Management of Horticultural Crops Training for	PF	1	OFF	0	41	41	0	18	18	59

	Farmers and Farm WOmen										
Agronomy	Nursery management of Rice crop	PF	1	OFF	20	7	27	14	0	14	41
	Cultivation of Kharif Pulses	PF	1	OFF	15	24	39	5	15	20	59
Agril. Engg.	Rain Water Harvesting Technique in Watershed	PF	1	ON	0	40	40	0	9	9	49
Agril. Engg.	Importance of Different Agricultural Implements Used in Kharif Season	RY	3	ON	15	25	40	7	10	17	57
Agronomy	Integrated Farming System.	PF	3	ON	18	22	40	7	7	14	54
Agronomy	Scientific cultivation technique of kharif to enhance productivity in watershed area	PF	3	ON	17	23	40	12	8	20	60
Agril. Engg.	Importance of Field Preparation Through Different Agricultural Implements in Kharif Season	PF	2	OFF	29	1	30	14	0	14	44
H.Sc.	Food Processing : Design & Development of Local Food Based Recipes	RY School dropout	1	ON	0	22	22	0	0	0	22
Agronomy	Scientific production of vegetable seedling in protray	PF	2	ON	0	25	25	0	7	7	32
H.Sc.	Mushroom Cultivation and its value Addition	RY	3	ON	5	35	40	0	8	8	48
Agril. Extension	Nursery Management of Horticultural Crops	RY	3	OFF	5	35	40	0	8	8	48
Agronomy	Integrated Farming System	PF	3	OFF	4	36	40	0	0	0	40
Agril. Engg.	Rain water Harvesting in Watershed Area	PF	3	OFF	1	39	40	0	0	0	40
Agril. Engg.	Use and Maintenance of Plant Protection Equipments	PF	2	ON	3	26	29	0	6	6	35
Agril. Extension	Contigent plan of kharif crops	PF	1	ON	20	11	31	9	5	14	45
Agronomy	Cultivation of late sowing paddy	PF	1	OFF	21	13	34	9	0	9	43
Agril. Extension	Cultivation of rabi vegetable crops	PF	1	ON	40	12	52	11	0	11	63
Agril. Engg.	Nursery and Water management in	PF	1	OFF	24	32	56	15	6	21	77

	Vegetable crop of Rabi season										
Agril. Extension	Vegetable production Technique	PF	1	OFF	18	24	42	0	0	0	42
Agronomy	cultivation of vegetable pea and beans training programme	PF	1	OFF	40	12	52	5	0	5	57
Agril. Engg.	Field preparation technique and different sowing method for Rabi vegetable	PF	1	OFF	22	16	38	4	0	4	42
Agril. Extension	Nursery Management of fruit plant	PF	1	ON	10	30	40	3	8	11	51
Agronomy	Scientific Culivation of Dragon fruits	PF	1	ON	29	11	40	3	8	11	51
Agronomy	Scientific Cultivation of Vegetable	PF	3	OFF	0	25	25	0	7	7	32
Agril. Extension	cultivation of tomato, Brinjal crops	PF	1	OFF	22	9	31	4	0	4	35
Agril. Engg.	Fruit plant suitable for protected farming and suitable irrigation practices in protected farming	PF	2	ON	29	11	40	11	0	11	51
Agronomy	Seed production technique of Rabi season crop	EF	5	ON	21	1	22	2	0	2	24
Agronomy	Scientific cultivation of Rabi pulse crop	RY	3	ON	18	14	32	9	0	9	41
H.Sc.	Value addition	PF	1	OFF	11	36	48	4	30	34	82
Agril. Extension	Agri smart village training	PF	3	OFF	40	22	62	18	0	18	80
Agronomy	IFS	PF	2	OFF	26	23	49	10	2	12	61
Agronomy	Cropping system	PF	1	OFF	19	27	46	11	0	11	57
Agril. Engg.	Drip irrigation	PF	1	OFF	34	38	72	20	6	26	98
Agril. Engg.	Water management	PF	2	OFF	21	27	48	11	0	11	59
Agronomy	Vermicompost production	PF	1	ON	18	14	32	9	0	9	41
Agronomy	Different technique of vegetable production in Rabi Season	Skill Development	5	ON	12	28	40	4	5	9	49
Agronomy	Protected cultivation of Vegetable crops	Skill Development	5	ON	28	12	40	11	0	11	51
Agronomy	Safe and judicious use of Glyphosate by PCOs	RY	3	ON	32	18	50	12	0	12	62

H) Vocational training programmes for Rural Youth

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	
Mushroom	Mushroom Cultivation	Mushroom cultivation technique s	5	47	17	64	Production unit	11	22	12
Bee Keeping	Bee Keeping	Bee Keeping	3	27	12	39	-	-	-	-
Goat rearing	Goat Farming	Goat Farming	5	90	2	92	-	-	-	-

**Training title should specify the major technology /skill transferred*

I) Sponsored Training Programmes

Sl.	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants									Sponsoring Agency
					PF/RY/EF		Male			Female			Total			
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1.	Watershed programme	Soil and Water conservation	January	3 days	PF	1	5	0	27	4	0	4	9	0	31	40	PETCI NGO, Dhanbad
2	Watershed programme	Soil and Water conservation	January	3 days	PF	1	13	3	9	12	2	1	25	5	10	40	PETCI NGO, Dhanbad
3.	Watershed programme	Soil and Water conservation	January	3 days	PF	1	0	0	0	20	14	6	20	14	6	40	PETCI NGO, Dhanbad
4	Watershed	Soil and Wate	January	3 days	PF	1	7	8	22	3	0	0	10	8	22	40	PETCI NGO

	programme	r conservation															, Dhanbad
5.	Watershed programme	Soil and Water conservation	January	3 days	PF	1	6	4	9	2	7	12	8	11	21	40	PETCINGO, Dhanbad
6.	Watershed programme	Soil and Water conservation	January	3 days	PF	1	5	3	14	8	4	6	13	20	7	40	PETCINGO, Dhanbad
7.	Watershed programme	Soil and Water conservation	March	3 days	PF	1	3	3	2	23	0	9	26	11	3	40	PETCINGO
8.	Watershed programme	Soil and Water conservation	March	3 days	PF	1	5	8	11	2	9	5	7	13	20	40	PETCINGO
9.	Watershed programme	Soil and Water conservation	June	3 days	PF	1	5	2	5	15	8	5	20	10	10	40	PETCINGO
10.	Watershed programme	Soil and Water conservation	June	3 days	PF	1	0	2	6	12	8	12	12	10	18	40	PETCINGO
11	Watershed programme	Soil and Water conservation	October	3 days	PF	1	5	2	5	15	8	5	20	10	10	40	PETCINGO
11	Watershed prog	Soil and Water	October	3 days	PF	1	13	3	9	12	2	1	25	5	10	40	PETCINGO

	ramme	conservation														
12.	Watershed programme	Soil and Water conservation	October	3 days	PF	1	8	2	3	17	4	6	25	10	5	40	PETCINGO
13	Watershed programme	Soil and Water conservation	October	3 days	PF	1	7	4	4	11	9	5	18	13	9	40	PETCINGO
14.	Mali prashikshad	Horticultural crops	December	25 days	RY	1	10	5	5	4	1	0	14	6	5	25	DHO, Dhanbad
15.	Integrated Nutrient Management	Nutrient Management	August-September	15 days	EF	1	48	5	2	1	0	0	49	2	5	56	DCO, Dhanbad

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

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

J. Information on ASCI Skill Development Training Programme funded by ICAR undertaken during 2024-NA

Total no of training organised	Name of QP/Job role	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	

K. Information on Skill Development Training Programme (Other agency if any) if undertaken

Total no of training organised	Name of QP/Job role	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	

3.5. A. ACHEVEMENTS OF EXTENSION/OUTREACH ACTIVITIES

(Including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers					Extension Officials					Total				
		M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)
Kisan Mela organized	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kisan Mela participated	3	1523	1671	3194	536	908	118	104	222	27	52	1641	1775	3416	563	960
Field Day	5	159	64	223	27	82	4	1	5	0	1	163	65	228	27	83
Kisan Ghosthi	7	205	342	547	114	65	12	6	18	2	1	217	358	575	116	66
Exhibition organized	2	141	74	215	41	32	6	3	9	2	2	147	77	224	43	34
Participation in exhibition	3	215	139	354	51	103	6	2	8	0	3	221	141	362	51	106
Film Show	11	502	121	623	84	119	0	0	0	0	0	502	121	623	84	119
Method Demonstrations	13	241	82	323	52	107	0	0	0	0	0	241	82	323	52	107
Farmers Seminar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Workshop	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Group discussion	10	325	156	481	36	72	0	0	0	0	0	325	156	481	36	72
Lectures delivered as resource persons	47	578	113	691	109	131	0	0	0	0	0	578	113	691	109	131
Advisory Services	278	752	312	1064	211	251	0	0	0	0	0	752	312	1064	211	251
Scientific visit to farmers field	112	701	256	957	98	117	8	7	15	2	1	709	263	972	100	118
Farmers visit to KVK	439	1256	233	1489	202	311	0	0	0	0	0	1256	233	1489	202	311
Diagnostic visits	990	2790	852	3642	432	1128	12	7	19	4	2	2802	859	3661	436	1130
Exposure visits	5	112	72	184	80	12	0	0	0	0	0	112	72	184	80	12
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																
Mahila Mandals Conveners meetings																

Special day celebration	36	595	274	869	87	151	18	8	26	9	5	613	282	895	96	156
Sankalp Se Siddhi																
Swatchta Hi Sewa	14	210	116	326	28	41	0	0	0	0	0	210	116	326	28	41
Celebration of important date																
Others																

B. Other Extension/content mobilization activities

Nature of Extension Activity	**No. of activities**
Newspaper coverage	48
Radio talks	0
TV talks	0
Popular articles published	4
Extension Literature	15
Electronic media	4
Any other	3

C. Technology week celebration : Krishak Swarn Samridhi Saptah: 23-28.09.2024

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Training, Kisan Goshthi, Demonstrations, Exhibition	6	283	Mushroom, Vegetables, Marigold, Millets, Groundnut, Sesame, Chia seeds

D. Celebration of important days in KVKs

Celebration of Important Days	**No. of activities**	**Farmers**			**Extension Officials**			**Total**		
		M	**F**	**Total**	**M**	**F**	**Total**	**M**	**F**	**Total**
Republic day (26th Jan.)	1	14	8	22	8	3	11	22	11	33
International Women's Day (8th Mar.)	1	9	50	59	4	1	5	13	51	64
Ambedkar Jayanti (14th Apr.)										
World's Veterinary Day (Last week of April)										
World 'Milk Day										
International Yoga Day (21st Jun.)	1	14	8	22	09	3	12	23	11	34
Independence Day (15th Aug.)	1	32	16	48	10	3	13	42	19	61
Parthenium Awareness Week	8	156	41	197	14	6	20	170	47	217
Hindi Diwas (14th Sep.)	2	15	7	22	7	1	8	22	8	30
Gandhi Jayanti (2nd Oct.)	1	18	11	29	7	3	10	25	21	46
Mahila Kisan Diwas (15th Oct.)	1	2	35	37	1	2	3	3	37	40
World Food Day (16th Oct.)	1	25	19	44	6	2	8	31	21	52
Vigilance Awareness Week	7	178	56	234	8	2	8	186	58	244
National Unity Day (31st Oct.)	1	15	1	16	9	1	10	24	2	26
World Science Day (10th Nov.)										
National Education Day (11th Nov.)	4	8	17	25	6	2	8	14	19	33

Fisheries day (21 Nov)										
National Constitution Day (26th Nov.)	1	25	8	33	6	3	9	31	11	42
World Soil Day (5th Dec.)	1	38	0	38	6	2	8	43	8	51
Kisan Diwas (23rd Dec.)	1	44	1	45	8	6	14	52	7	59
Any other day										

E. Interaction/Live telecast programme of Hon'ble PM/Hon'ble or Argil Minister

Sl.	Date of event	Name of Event/Programme	Interaction of Hon'ble PM/AM	Participants			
				Farmers	Staffs	VIP/Others	Total
1	08.01.2024	VBSY, Hon'ble PM Addresed Live Telecast	Hon'ble PM	61	16	1	78
2	28.02.2024	PM-KISAN Samman Nidhi Programme release of 16th instalment	Hon'ble PM	100	9	0	109
3	01.05.2024	Vikshit Bharat	Hon'ble PM	51	8	0	59
4	18.06.2024	PM-KISAN Samman Nidhi Programme release of 17th instalment	Hon'ble PM	115	6	1	122
5	20.09.2024	NISA Century Foundation Day	His Excellency President of India	73	7	0	80
6	05.10.2024	PM-KISAN Samman Nidhi Programme release of 18th instalment	Hon'ble PM	80	6	0	86

3.5 A. PRODUCTION AND SUPPLY OF TECHNOLOGICAL PRODUCTS

A. Seed production at seed village

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

B. Seed production at KVK farm

Type of seed produced	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Cereals							
Paddy	CR Dhan 320	19.5	85800				

	Swarn Shakti	32.7	143880				
Ragi	BM-3	1.10	4400				
Jowar	CSV-20	1.24	5580				
Wheat	HD2967	7.25	29000				
Oil seed (Mustard)	BBM-1	2.0	20400				
Pulses (Pigeon pea)	Birsa Arhar -2	7.5	96000				
Green Manure							
Commercial crop							
Vegetables							
Fodder							
Spices							
Fruits							
Forest crop							
Ornamental/flower							
Medicinal							
Grand Total		**71.29**	**385060**				

C. 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
Vegetable seedlings							
Cauliflower	Madhuri	2700	8100				
Cabbage	Green Soccer	2000	6000				
Tomato	Laxmi F1	2000	10000				
Brinjal	No 801 F1	2000	8000				
Chilli							
Onion							
Others							
Commercial seedlings							
Mulberry							
Sugarcane,							
Sweet Potato							
Turmeric							
Zinger							
Others							
Fruitsseedlings							
Mango	Dushahri, Langra, Ambrapali, Malika	800	72000				
Guava	Allahabadi safeda, Lalit, L-49	1500	120000				
Lime							
Papaya	Bano Local	1000	20000				
Banana							
Ornamental plants							

Marigold							
Annual chrysanthemum							
Tuberose							
Others (Hibiscus)	Rosa-Sinensis	1200	24000				
Medicinal and Aromatic							
Plantation							
Tuber Elephant yams							
Spices							
Grand Total		13200	266100				

D. Forest species

Crop	**Variety**	**No. of planting materials**	**Value (Rs)**	**Number of farmers to whom planting material provided**			
				SC	**ST**	**Other**	**Total**

E. Fodder crops saplings

Crop	**Variety**	**No. of planting materials**	**Value (Rs)**	**Number of farmers to whom planting material provided**			
				SC	**ST**	**Other**	**Total**

F. Production of Bio-Products

Name of product	**Quantity (Kg)**	**Value (Rs.)**	**No. of Farmers benefitted**			
			SC	**ST**	**Other**	**Total**
Bio-fertilizers						
Bio-food(Spirulina etc)						
Bio-pesticide						
Bio-agents (Trichocard etc)						
Worms (earthworm, silk worms etc)						
Bio-fungicide						
Others, please specify (Mushroom spawn)	10	1200.00	25	0	5	30
Total						

G. Production of livestock & fisheries materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	ST	Other	Total
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)							
Rabbitry							
Fisheries							
Indian carp							
Exotic carp							
Mixed carp							
Fish fingerlings							
Spawn							
Others (Pl. specify)							
Grand Total							

H. SOIL & WATER TESTING

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

Sl. No	Name of the Equipment	Qty.
1	Atomic Absorption Specto Photo meter	1
2	pH meter	1
3	Spectro photometer	1
4	Flamephotometer	1
5	Soil Testing mini kit	2

b. Details of samples analyzed so far

Total number of soil samples analyzed till now		
Through mini soil testing kit/labs	Through soil testing laboratory	Total
834	-	834

c. Detail of Soil, Water and Plant analysis at KVK (2024)

Sl.	Analysis	No. of Samples analyzed	No. of Villages covered	No. of Farmers benefitted	Amount realized (Rs.)
1.	Soil	834	151	8340	-
2.	Water				
3.	Plant				
4.	Fertilizers				
5.	Manures				
6.	Food				
7.	Others (if any)				

d. Details of World Soil Day Celebration

Sl. No.	No. of Activity conducted	Soil Health Cards distributed	No. of farmers benefitted	No. of VIPs Number of	Name (s) of VIP(s) involved if any	Total No. of Participants attended the program
01	01	32	32	-	-	63

I. Activities under Rain Water Harvesting structure and Micro Irrigation System

S.No	No of training programme conducted	No. of demonstrations	No. of plant material produced	Visit by the farmers (No.)	Visit by the officials (No.)
01	07	-	-	214	-

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

1. Name of Seed Hub Centre:

Name of Nodal Officer:	
Address :	
e-mail :	
Phone No. : Mobile :	

2. Quality Seed Production of Pulses

Season	Name of crop taken under seed production	Name of variety taken under seed production	Crop and variety wise area (ha) covered under seed	Crop and variety wise Yield (Q/ha)	Crop and variety wise quantity of seed produced (Q)	Crop and variety wise quantity of seed sale out (Q)	Crop and variety wise number of farmers purchased seed	Quantity of seed sale out to farmers (Q)	No of village covered through sale of seed	Quantity of seed sale out to other organization (Q)	Amount generated (Lakh) during 2024-24	Total amount (Lakh) in Seed Hub project presently

			product ion				from KVK					

3. Financial Progress

Fund received		Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
		Infrastructure	Revolving fund		
2016-17					
2017-18					
2018-19					
2019					
2020					
2021					
2022					
2023					
2024					

4. Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	
Nursery	
Animal sector	
Mushroom / other enterprises	
Others	

3.6 HUMAN RESOUSES DEVELOPMENT, PUBLICATIONS, AWARDS & RECOGNITION

A. Details of Research papers published by KVK (with full title, author & journal)

S.No	Item	Details of publication bibliographic form (Authors name, year, title, volume, issue, page no, journal name)	NASS Rating	
			>6	<6
1	Research paper			

B. Details of Other Publications

Particulars	Details of publication bibliographic form	No of copies published (if any)	No of copies distributed (if any)
Abstracts in Seminar/conference/ symposia published	2		
Books published	Dilpreet Publishing House Delhi, ISBN978-93-91995-65-2	10	10
Book chapter published	3, Women Empowerment in Agriculture		
Popular articles published	6		
Success story published	5		
TOTAL	10		

C. Details of Extension Publications

Particulars	Details of publication (Totle, authors name, organization)	No of copies published (if any)	No of copies distributed (if any)
Extension Bulletins published	2		

Agro-advisory bulletins	6		
Extension folders/leaflet/pamphlets	6, Natural Farming	5000	5000
Technical reports			
News letter			
Electronic Publication (CD/DVD etc)			
TOTAL	14		

D. Details of HRD programmes undergone by KVK personnel

Sl. No.	Name of KVK personnel	designation	Name of course/training program attended	Date	Duration	Organizer/Venue
1.	Dr. Seema Singh,	Scientist, Home Science	TOT Empowering Communities through Millet Processing	25-27,June,2024	3 Days	ICSI, Skill India NIT, Rourkela, Odisha
2.	Dr. Seema Singh	Scientist, Home Science	National Conference on Modeling, Analysis & Simulaion Comprising the Realms Of AI, ML, & IOT	28-30, June.2024	3 Days	Department of Mathematics& Computing,IIT, ISM, Dhanbad

E. Awards/Recognition

Institutional Award received by KVK

Sl. No.	Name of KVK	Name of the Award	Value (In Amount/kind)	Achievement	Conferring Authority
1.	KVK Dhanbad	First prize in Agro-tech Kisan Mela-2024	-	Best stall	BAU, Ranchi

Award received by KVK Scientists

Sl.	Name of KVK personnel	Name of the Award	Value (In Amount/kind)	Achievement	Conferring Authority

Award received by Farmers

Sl.	Name of KVK	Name of the Farmer	Name of the Award	Address	Contact No.	Value (In Amount/kind)	Achievement	Conferring Authority
1.	Dhanbad	Naresh Kr Mahto	Best Innovative Farmer	Kapuriya Dhanbad	9835326940		Spreading Low Cost Vertical farming at District level as entrepreneur	BAU, Ranchi, IIT ISM, Dhanbad

3.7. TECHNOLOGY DEVLOPMENT

A. Give details of Innovative Methodology/Process/Product or Innovative Technology developed by KVK

Sl. No.	Name/ Title of the technology	Brief details of the Innovative Technology	Impact of the technology	Status of commercialization/Patent

B. Give details of Organic farming practiced/Indigenous Technology/ITK practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

Sl. No.	Enterprise	Brief details of the ITK Practiced	Purpose/Impact of ITK	Impact of the technology

Give details of by the farmer (if Any)

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

C. 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

4. IMPACT

A. Impact of KVK activities/large-scale adoption of technology

Name of specific	Brief details	No. of farmers	Horizontal spread	% Adoption	Impact of the	Impact of the technology in	Change in income (Rs.)

area	of the area	benefitted	(in area/no.)		technology in subjective terms	objective terms	Before (Rs./Unit)	After (Rs./Unit)
Mushroom Cultivation	3 blocks	24	104	40	Started Mushroom Cultivation	Average income 10,000/month/unit	2000-3000	10000-12000
Vegetable Cultivation	8 Blocks	84	49	45	All seasonal vegetable of Improved varieties	21000/-/month/	7000-8000	20000-21000

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

B. Details of entrepreneurship/startup developed by KVK

Name of the entrepreneur/ Name of the enterprise/firm	
Registered address of the entrepreneur/firm	
Year of establishment	
Type of Enterprise	
Registration details	
No of members associated	
Technical components of the enterprise (with commodity)	
Annual Income/revenue of the enterprise	
Role of KVK/Technology backstopping (quantitative data support)	
Period/Timeline of the entrepreneurship development	
Economic and Social 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):	
Major achievements	
Major constrains	
Images/Imp Documents	

C. Success stories/Case studies, if any

1. Personal information

1.	Name of the farmer/ entrepreneur
2.	Date of Birth
3.	Education
4.	Farming Experience/ Experience in enterprise
5.	Cell no./ e-mail
6.	Full address
7.	Professional membership (Farmer club/SHG/ATMA/etc.)
8.	Major achievement of the farmers
9.	Awards received

2. Professional Information

1.	Title of the success story/case study
2.	Situation analysis/Problem statement (What prompted this initiative? What was the problem that needed to be addressed?)
3.	Plan, Implement and Support/KVK Intervention(s): (Describe what systems of extension have done to address the challenge. What technology/ technical knowledge being used? How were different agencies engaged in or consulted in the extension process? - Who, What, How)
4.	Details of Practices followed by the farmer
5.	Results/ Output (economical/ social/ etc.) (Key results/ Insight/ Interesting fact- initial, intermediate, or long-term outcome)
6.	Impact/ Outcome: (Determine the HIGHEST level of impact the program had on individuals, families,groupsand/orsociety-Provideashortsummary oftheactualchange(onknowledge,attitude,skills,practice, or policy) that took place. Provide quantitative measures, where possible and use simple graphs ortablestoillustrate a point.)*(50–100words)*
7.	Future plans
8.	Supporting Images

3. Economic Information

Enterprise	**Gross Income (annual)**	**Net income**	**Cost-Benefit ratio**

5. LINKAGES

5.1. Functional linkage with different organizations

S.No	Name of organization	Nature of linkage
01	District Agriculture Office, Dhanbad	Participation in training, FLD, Joint survey.
02	District Animal Husbandry Office, Dhanbad	Joint training programme & participation in meeting.
03	District Fisheries Office, Dhanbad	Joint training programme & participation in meeting.
04	District Horticulture Office, Dhanbad	Joint training programme & participation in meeting.
05	District Plant Protection Office, Dhanbad	Joint diagnostic survey & participation in meeting.
06	ATMA, Dhanbad	Joint diagnostic survey & participation in meeting.
07	Agricultural produce market committee (Bazaar Samiti), Dhanbad.	Joint training programme, participation in meeting & joint Krishak Gosthi.
08	Lead Bank Manager office, Dhanbad	Financial support from banks to trained persons for entrepreneur development.
09	NABARD, Dhanbad.	Formation of SHG, Kisan Club & Training.

10	Tata Steel Rural Development Society, Dhanbad.	Joint training programme & participation in meeting.
11	NGO PETCI, Dhanbad	Joint training programme & participation in meeting.
12.	ACIC, ISM, IIT Dhanbad	Women Empowerment
13	DPO, ICDS, Dhanbad	Poshan Abhiyan
14.	JSLPS	Viksit Bharat Sankalp Yatra

5.2. Details of Externally funded project & Programmes during 2024 (Eg. 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 INDICATORS

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

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

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Paddy	25.06.2024	Nov to Dec, 24	1.0	CR Dhan 320	F/S	20	78500	88000	
Paddy	25.06.2024	Nov to Dec, 24	1.0	Swarn Shaktu	F/S	31	125000	136400	
Ragi	6.07.2024	21&23 Nov, 2024	0.3	Birsa Marua-3	F/S	0.5	2100	2500	
Mustard	2.12.2024 & 04.12.2024	Standing rop	0.5	BBM-1	T/L	-	-	-	-
Wheat	12.12.2024 &	Standing crop	0.6	DBW-	F/S	-	-	-	-

	20.12.2024			252					

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. Performance of Automatic Weather Station in KVK

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

6.6. Utilization of hostel facilities

Accommodation available (No. of beds)

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

(For whole of the year)

6.7 Utilization of staff quarters

- Whether staff quarters have been completed:
- No. of staff quarters:
- Date of completion:
- Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI

7. <u>FINANCIAL PERFORMANCE</u>

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
KrishiVigyan Kendra , Dhanbad	SBI, Hirapur	Hirapur, Dhanbad	10900477204
KrishiVigyan Kendra Revolving , Dhanbad	SBI, Hirapur	Hirapur, Dhanbad	10900477191
CFLD on Pulses, Krishi Vigyan Kendra, Dhanbad	SBI, Baliapur	Raj Market, Baliapur	42368080486
CFLD on Oilseed, Krishi Vigyan Kendra, Dhanbad	SBI, Baliapur	Raj Market, Baliapur	42369146416
Natural Farming Krishi Vigyan Kendra, Dhanbad	SBI, Baliapur	Raj Market, Baliapur	42387949932
RPL/UP-Scaling Krishi Vigyan Kendra, Dhanbad	SBI, Baliapur	Raj Market, Baliapur	42381509872

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

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

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2022
	Kharif	Rabi	Kharif	Rabi	

7.4. Utilization of KVK funds during the year 2024 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances		11206100	10174760
2	Traveling allowances	100000	100000	100000
3	Contingencies			
A				
B		445000	285200	275919
C				
D				
E	SCSP General	600000	332460	330971
F				

G				
H				
I				
J	Swachhta Expenditure			5000
TOTAL (A)				
B. Non-Recurring Contingencies				
1	SCSP Capital	96000	63600	-
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2021	595783	2945196	3239775	301204
2022	301204	850227	1140181	11250
2023	11250	5044397	4828674	226973
2024 up to Dec, 24	226973	1298468	1160646	364795

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

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activities	Season	With line department	With ATMA	With both
District & Block level Kharif Workshop	3	Kharif & Rabi	DAO & BAO		Yes
District & Block level Kharif Workshop	4	Kharif & Rabi	DAO & BAO		Yes
Kisan Mela	2	Rabi	DAO, DFO &		Yes

& Exhibition			BAO		
Plant Protection Program	2	Kharif & Rabi	DAO & BAO		YES
District Udyan Vikas Mela & Exhibition	1	Rabi	DHO, DAO & BAO		Yes

7.8 Revenue generation

Sl.No.	Name of Head	Income (Rs.)	Sponsoring agency
1.	Training	3,20,000/-	PETCI, Dhanbad
2.	Training	1,68,000/-	DCO, Dhanbad
3.	Training	1,25,000/-	DHO, Dhanbad

7.9 Resource Generation

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1.	Watershed Development Programme	Training	PETCI, Dhanbad	**9,60,000/-**	**NIL**
2.	PACs members training programme	Training	DCO, Dhnbad	**8,13,000/-**	**NIL**
3.	Mali Training Progarmme	Training	DHO, Dhanbad	**4,37,500/-**	**NIL**

8. MISCELLANEOUS 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)

8.3. Nehru Yuva Kendra (NYK) Training

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

8.6 Details of '*Pre-Rabi Campaign'* Programme

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

8.7 . Vikisit Viksit Bharat Sanklap Yatra

Sl.	No of events attended	No. of Gram Panchayat covered	Total no of farmer participated	No of Lecture Delivered on Soil Health/ Natural Farming
1	31	287	6098	62

8.8. 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

8.9 Information on Visit of VIP/Ministers/ MP/MLA/DM/VC/Zila Parishad/Other Head of Organization/Foreigners/other Dignitaries to KVKs, if any

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)
18.06.2024	**Sri Dhullu Mahto, ɔn'ble MP, Dhanbad**	MP Dhanbad	Working well with farmers of dhanbad district specially, women empowerment

8.10 Details of Scientific Advisory Committee (SAC) Meetings

Date	No of participants	Total statutory members present (sate line department)	Salient recommendations	Action Taken	If not, State reason

**Salient recommendations of SAC in bullet points*

Details of other meeting related to ATARI

Date	Type of Meeting	Agenda	Representative from ATARI

9. Details of attachment training (RAWE/ FET for ARS/Others) through KVK

Type of attachment	**No of student trained**	**No of days stayed**

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

11 PROJECT-WISE REPORTING (Applicable for KVKs identified under the given project)

11.1. Details of Cereal Systems Initiative for South Asia (CSISA)

Season	Village Covered (no.)	Block Covered (no.)	District Covered (No.)	Respondent (no.)	Trial Name	Area covered (ha)	Name of Crop	Technology Options	Variety name	Duration (Days)	Sowing date	Harvesting date	Days of Maturity	Grain Yield (q/ha)	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	BCR

11.2 Details of Tribal Sub Plan (TSP)

a. Achievements of physical output under TSP

Sl.	**Activities**	**Physical Achievement**	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer		
b.	Women		
c.	Rural Youths		
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries

4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
5)	Other activities		
a.	Participants in extension activities (No.)		
b.	Production of seed (q)		
c.	Production of Planting material (No. in lakh)		
d.	Production of Livestock strains (No. in lakh)		
e.	Production of fingerlings (No. in lakh)		
f.	Testing of Soil, water, plant, manures samples (Nos.)		
g.	Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)		
h.	No. of other programmes oraginsed (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)		

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

c. Achievements of physical outcome under TSP during 2024

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

d. Location and Beneficiary Details during 2024

District	Sub-district	No. of Village covered	Name of village(s) covered	ST population benefitted (No.)		
				M	F	T

11.3. Details of Scheduled Caste Sub Plan (SCSP)

Sl.	**Activities**	**Physical Achievement**	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	**11**	**346**
b.	Women	**3**	**84**
c.	Rural Youths	**2**	**58**
d.	Extension Personnel	**0**	**0**
2)	OFT	**No. of OFTs**	**No. of beneficiaries**
		2	**20**
3)	FLD	**No. of FLDs**	**No. of beneficiaries**

		2	**86**
4)	Mobile agro- advisory to farmers	**No. of advisory**	**No. of beneficiaries**
		8	**255**

Name of KVK	**NRM**		**Crop production**		**Livestock & Fisheries**			**Capacity Building**		**Extension Activities**	
	Demonstrations	**Area (ha)**	**Demonstrations**	**Area (ha)**	**Demonstrations**	**Area (ha)**	**No. of animals**	**No of Courses**	**Farmers**	**No. of programmes**	**Farmers**
Zone IV											

5)	Other activities	
a.	Participants in extension activities (No.)	
b.	Production of seed (q)	
c.	Production of Planting material (No. in lakh)	
d.	Production of Livestock strains (No. in lakh)	
e.	Production of fingerlings (No. in lakh)	
FTSP	Testing of Soil, water, plant, manures samples (Nos.)	**216**

11.4. NICRA (Technology Demonstration component)

Overall achievements

Basic Information

KVKs Name	Districts data				NICRA Adopted village					
	RF (mm) district		Temperature ^{0}C		Dry spell/ drought			Intensive rain >60 mm	Flood	
	Normal	Received	Max.	Min.	> 10 days	> 15 days	> 20 days		Water depth (cm)	Duration (days)

Performances of demonstration of in-situ moisture conservation technologies

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performances of water harvesting and recycling for supplemental irrigation

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross	Net	BCR

						Cost	Return	

Performance of ZTD in various crops

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)	Yield (q/ha)	Economics of demonstration (Rs./ha)		
						Gross Cost	Net Return	BCR

Performanceofartificialgroundwaterrechargetechnologiesdemonstrated

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performanceofdifferentwatersavingirrigationmethods

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Rainwaterharvestingstructuresdeveloped

New(Nos.)	Renovated(Nos.)	Total	Storagecapacity (cu m)	Protectiveirrigationpotential(ha)	Cropping Intensity (%) increase

Performanceofdifferentdroughttolerantvarieties

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofdifferentshort duration rice varieties

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofdifferentfloodtolerantvarieties

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofadvancementofplantingdatesindifferentcrops

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performancesofwatersavingtechnologiesforricecultivation

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha))	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Integration of cropping system with other farming

FST type	Crop / season (name)	Fodder quantity (dry/ green) utilized for livestock	No.of farmers	Area(ha)/Unit	Yield (q/ha))	% of reduced fodder purchase from outside

PerformanceofCommunitynurseries

FST type	Crop / season (name)	Technologyde monstrated	No.of farmers	Area(ha)	Coverage area (ha)	Economicsofdemonstration(Rs/ha)		
						CoC of nursery	NR from nursery	BCR
	Ragi							
	Paddy							
	Vegetable (name)							
	Other							

CoC: Cost of cultivation (Rs.); NR: Net return (Rs.); BCR: Benefit cost ratio

Performance of different location specific intercropping systems

FST type	Crop / season (name)	Technologydemonstrate d	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(R s/ha)		
						GrossC ost	NetRe turn	BCR

PerformanceofdifferentcropdiversificationinNICRAvillages

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofotherdemonstration

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofdifferentfodderdemonstrationincommunitylands

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofimprovedfodder

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofvariousvaccinationcampsorganized

FST	Type of animal and Month	Technology demonstrated	No. of farmers covered	o. of animal covered			
					Less 1 yr calf	Heifer	Adult
		FMD					
		HS					
		BQ					

For Goat/ sheep/ pig

FST	Type of animal and Month	Technology demonstrated	No.of farmers covered	No.of animal covered			
					Kid	Buck	Doe
		PPR					
		Swine flue					
		FMD					

For poultry

FST	Type of animal and Month	Technology demonstrated	No.of farmers covered	No.of animal covered			
					Chick (<9 weeks)	Growing chickens (9-20 week)	> 20 weeks
		Ranikhet disease					
		Bird flu					

Performanceoffishintheponds/ water bodies

FST	Fish species	Technologydemonstrated with dose rate	No.of farmers	Area(ha) /Unit	Fish yield (q/ha)	Economicsofdemonstration (Rs/ha)		
						CoC	NR	BCR

PerformanceoflivestockdemonstrationinNICRAadoptedvillages (Buffalo/ Cow)

FST type	Animal / season (name)	Technologydemonstrated	No.of farmers	No. of animals/ unit	Milk yield (liters/ lactation)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

PerformanceoflivestockdemonstrationinNICRAadoptedvillages (Goat/ sheep/ Pig)

FST type	Animal / season (name)	Technologydemonstrated	No.of farmers	No. of animals/ unit	Body wt. (Kg/ animal)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

PerformanceoflivestockdemonstrationinNICRAadoptedvillages (poultry)

FST type	Birds / season (variety/breed)	Technologydemonstrated	No.of farmers	No. of birds/ unit	Body wt. (Kg / bird)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofimprovedsheltersforpoultryanddairyanimals

FST	Technology demonstrated	No. of farmers	Demo. Unit size (No.)	Survival rate		% Increase in survival	Economics (Rs. /ha)			
				Demo	Local		Gross Cost	Gross Return	Net Return	BCR

INSTITUTIONAL INTERVENTION

Name Of KVK	Seed bank		Fodder bank	
	Crop with variety	Quantity in (q)	Fodder crop with variety	Quantity in (q)

Revenue generated through Custom Hiring Centres and VCRMC in KVKs

NameofKVK	RevenueGenerated(Rs.)	
	FromCustomHiringCentres(2022-23)	TotalunderVCRMC

ExtensionActivities

Nameoftheactivity	Numberof Programmes	No.ofbeneficiaries		
		Male	Female	Total

SoilHealthCardpreparedanddistributed

KVK	No.ofsoilsamplescollected	No.ofsamplesanalysed	SHCissued	No.offarmersbenefitted

ConvergencePrograme

KVK	DevelopmentScheme/Programme	Natureofwork	Amount(Rs.)

DignitariesvisitedNICRAVillages

NameofKVK	NameofVIPs/Experts	Dateofvisit

Newspaper Coverage

Publication (ResearchPaper, Book, Technicalbulletins Paperpresentedinnational/international seminars etc.)

Success Stories (1-2 nos.)

Name of PI & Co-PI List

Name of KVK	Name of PI	Name Of Co PI

Table: Capacity development (Training On-campus) organized under TDC-NICRA

S. No.	Title of the training course	Period of Training program	Duration	Participant No.		Category			
				Male	Female	General	OBC	ST	SC

Table: Capacity development (Training Off-campus) organized under TDC-NICRA

S. No.	Title of the training course	Period of Training program	Duration	Participant No.		Category			
				Male	Female	General	OBC	ST	SC

Table: Custom Hiring of Farm-Implement

Name of farm implement/ equipment	No. of farmers used Implement	Area covered by Farm Implement	Farm Implement used (In Hours)	Revenue generated by Farm Implement (Rs.)	Expenditure incurred on repairing (Rs.)

Table: Village wise VCRMC

Village name	VCRMC Constitution date	VCRMC members (no.)		Meetings organized by VCRMC (no.)	Date of VCRMC meeting	Name of Secretary	Name of President	Major decision taken
		M	F					

Attachments: Good quality Photograph

11.5. Formation and Promotion of FPOs as Cluster Based Business Organization (CBBOs)

Name of State	Name of district	No. of blocks allocated	No. of FPOs registeredas CBBO	Average no of members per FPO	No. of FPO received Management cost	No. of FPO received Equity Grant	Tech. backstopping provided to no. of FPOs	No. of training programme organized for FPOs for Technology backstopping as CBBO	Training received by FPO members (Y/N) If yes then major area of training	Assistance to no. of FPOs in economic activities	Is Business plan prepared for FPOs as CBBOs	Is Business plan prepared for FPOs as without CBBOs	No. Of FPOs doing business
	Dhanbad	4	4	450	3		4	4	Integrated Farming				

Details of commodity-based organizations/ farmers' cooperative society/ FPO formed/ associated with KVK under NCDC funding

S.No	Name of the FPO	Address of FPO	Registration No and Date	Proposed Activity	Commodity Identified	Total No. of BOM Members	Total no of farmers attached	Financial position (Rupees in lakh)	Success indicator

11.6. Nutri-Sensitive Agricultural Resources and Innovation (NARI)

a. Overall achievement

No. of Nutri smart village developed	Total Area covered	Total No of OFT organized	Total No. of FLD organized	No. of training/capacity development programme	Total No. of farmers/ beneficiaries	No of Extension programmes	Total No. of farmers/ beneficiaries
2	4	2	10	12	240	4	104

b. Details of OFT/FLD

OFT		
Nutritional Garden	**5**	**5**
Bio-fortified Crops		
Value addition (in no. of Unit or no. of Enterprise)		
Other Enterprises (in no. of Unit or no. of Enterprise)		
	Area (ha/ no. of Unit/Enterprise)	**No. of farmers/ beneficiaries**
FLD		
Nutritional Garden	**10**	**10**
Bio-fortified Crops		
Value addition (in no. of Unit or no. of Enterprise)	**4**	**4**
Other Enterprises (in no. of Unit or no. of Enterprise)	**12**	**12**

c. Details of established Nutrition Garden in Nutri-Smart village

Sl.	Name of Nutri-Smart Village	Type of Nutrition Garden	Number	Area (sqm)	No. of beneficiaries
1.	Bahghmara	Backyard/Kitchen Garden	10	3000	10
2.	Jagdish	Community level	10	2500	10
3.		Terrace Garden			
4.		Vertical Garden			
TOTAL			20	5500	20

d. Details of Bio-fortified crops used in Nutri-Smart village

Name of Nutri-Smart Village	Season	Activity (OFT/FLD)	Category of crop (cereal/ pulses/oilseed/ fruits & veg./ others	Name of Crop	Variety	Area (ha)	No. of beneficiaries

e. Details of Value addition in Nutri-Smart village

Name of Nutri Smart Village	Name of Crop/ veg./ fruits/ other	Name of Value-added product	Activity (OFT/FLD)	No. of farmers/ beneficiaries
Jagdish	**Potato**	**Chips**	**FLD/OFT**	**10**
Baghmara	**Millet**	**Laddu, Mixed Flour**	**FLD**	**10**

f. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries
Jagdish	Value Addition & Nutrition Gardening	4	64
Baghmara	Value Addition & Nutrition Gardening	4	71

g. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries

Jagdish	Nutrition Awareness Program, Mahila Kisan Goshthi	4	154
Baghmara	Nutrition Awareness Program, Field Day	4	126

11.7 Attracting and Retaining Youth in Agriculture (ARYA)

Name of Enterprises	No of Skill training conducted (No.)	Name of Training	Duration (Days)	Youth trained (No.)	Established entrepreneurial unit (No.)	No. of Groups Formed for establishment of unit	No. of Members in each Group	No. of Groups active	No. of person left the group	Total Viable unit (No.)	Average size of each entrepreneurial unit	Total Production /unit / year	Per unit cost of Production (Rs)	Sale value of Produce (Rs.)	Gross Return/Unit / Year (Rs.)	Economic Gains / unit (Rs.)	B:C Ratio	Employment generated/ year (manday @ 8 hr/ day)

11.8 Out-scaling of Natural Farming Format

Geographical information

Name of State			
Name of KVK			
Agro Climatic Zone of Village/KVK			
Farming Situation of the Selected Farmer/KVK		**Latitude (N)**	**Longitude (E)**

Physical information

Name of KVK	**Name of activity**	**No of activities organized**	**No of participants**	**Participants (Male)**						**Participants (Female)**					
				GEN	OBC	SC	ST	Others	**Total**	GEN	OBC	SC	ST	Others	**Total**
	Training														
	Awareness														
	Demonstration														
	Other activities														

Training information

Tittle of Natural Farming training Programme	Date of Training	Venue of programme	Participants (Male)						Participants (Female)							Remarks/ Observation/Feedback Recorded
			GEN	OBC	SC	ST	Others	Total	GEN	OBC	SC	ST	Others	Total	**GT**	

Awareness programme information

Tittle of Natural Farming Awareness programme	Date of Awareness programme	Venue of programme	Participants (Male)						Participants (Female)							Remarks/Observation/Feedback Recorded
			GEN	OBC	SC	ST	Others	Total	GEN	OBC	SC	ST	Others	Total	**GT**	

Any other Programme /Activity organized for Natural farming promotion		
Name of the Innovative programme organized	**Significance of innovative programme**	**Remarks/Observation/Feedback Recorded**

Details of Beneficiaries under Demonsatration at Farmer's Fields

Name of KVK	No. of blocks covered	No. of village covered	Total no. of Trained/Practicing NF Farmer	No. of farmers influenced to adopt NF	No. of farmers with whom the NF farmer can engaged all season	No. of farmers with whom the NF farmer can engage in 1 season	Any Remarks (in <50 words)

Demonstration Information

KVK/ Farmer wise information of demonstration conducted till date			
Name of State			
Name of KVK/Farmer where demonstration conducted			
Address of Farmer with contact detail			
Agro Climatic Zone of KVK/Village of farmer			
Cropping patter of KVK plot/ Farmer plot			
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)

Name of Activity	Crop	Variety	Season (Kharif /Rabi/ Summer)	Name of Natural Farming components/Technology demonstrated	Area (ha) in Natural farming practice	Detail of farmer practice	Observations Recorded		
							Name of parameter	Performance	
								Without NF practice	With NF practice
							Plant height (cm)		
							Other relevant parameter		
							Yield (q/ha)		
							Cost of cultivation (Rs/ha)		
							Gross Return		

							(Rs/ha)		
							Net Return (Rs/ha)		
							B:C Ratio		
							Soil PH		
							Soil OC (%)		
							Soil EC (dS/m)		
							Available N (Kg/ha)		
							Available P (Kg/ha)		
							Available K (Kg/ha)		
							Soil Microbes (cfu)		
							Any other, specify		
Feedback of farmer									

Information of Farmer Already Practicing Natural Farming

S. No.	Name of District	Name of Farmer	Name of Village and address with contact No	No. of Indigenous (Desi Cows)	Land Holding (ha)	Normal Crops Grown	No. of Years practicing in Natural Farming	Area (ha) Covered under Natural Farming	Crop Grown under Natural Farming	Natural Farming Technology practicing/ adopted	Observations Recorded		
											Name of parameter	Performance	
												Without NF practice	With NF practice
											Plant height (cm)		
											Other relevant parameter		
											Yield (q/ha)		
											Cost of cultivation (Rs/ha)		
											Gross Return (Rs/ha)		
											Net Return (Rs/ha)		
											B:C Ratio		
											Soil PH		

											Soil OC (%)		
											Soil EC (dS/m)		
											Available N (Kg/ha)		
											Available P (Kg/ha)		
											Available K (Kg/ha)		
											Soil Microbes (cfu)		
											Any other, specify		
Feedback of farmer:													

Soil Data information

Soil Parameter for Demo plot at KVK Farm

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)

Soil Parameter for Non-Demo plot at KVK Farm

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)

Soil Parameter for Demo plot at Farmer's Field

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)

Soil Parameter for Non- Demo plot at Farmer's Field

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)

Financial information

Budget Expenditure (Rs. in Rs)				
Name of activity	Number of activities organized	Budget sanction (Rs)	Budget expenditure (Rs)	Total Budget Expenditure (Rs)
Training				
Awareness Programme				
Demonstration				
Miscellaneous				
Total				

Glimpses of various Activities (Good Quality Action Photographs)				
Name of activity	1	2	2	4
Training programmes				
Awareness programmes				
Demonstrations (KVK/Farmer filed)				
Any other activities				

11.7 CRA (Climate Resilient Agriculture)

Technology demonstrated/ interventions	Cropping system	Farming System crop under demonstration			Area under Demonstration (in acre)			No. of farmers under demonstration			Category				Crop Yield (q/ha)			System productivity (q/ha)	Total return (Rs./ ha)	Yield obtained under Farmer Practices (q/ha)	Exposure visit (no.)	Number of farmers under exposure
		Kharif	Rabi	Summer	Kharif	Rabi	Summer	Male	Female	Total	SC	ST	OBC	Gen	Kharif	Rabi	Summer					

11.8 District Agro Meteorological Unit (DAMU)

S. No	No. of Block agromet advisories send	No. of advisory bulletin published	No. of Farmers Awareness programmes organized	No. of farmers feedback received	No. of farmers received agromet advisory bulletin	No. of publication

11.9 KSHAMTA

Number of Adopted Villages	**No. of Activities**		**No. of farmers benefited**	
	Demo	Training	Demo	Training

11.10 Agri-Drone

S. No.	Name of parameter	Details of parameter
1	Name of the project implementing centre (PIC)	
2	No. of Agri Drones Sanctioned	
3	No. of Agri Drones Purchased	
4	Amount sanctioned (Rs)	
5	Purchased cost of each Drone (Rs.)	
6	Company and Model of Drone	
7	Name and contact No of Agri Drone Pilot	
8	Target Area for Agri Drone Demonstration (ha) (1 demo = 1 ha area)	
9	Amount sanctioned for Agri Drone Demonstrations (Rs.)	
10	Amount utilised for Agri Drone Demonstrations (Rs.)	
11	Area covered under demos (area in ha)	
13	Operation carried out (Pesticide/Weedicide/Nutrient application) in demonstration organised	
14	Number of farmers participated during demonstration	
15	Advantages of using Agri Drones as observed during the demonstrations	

Details of Demonstrations under Agri-drone Project

	Name of district	Date of demonstration	Place of demonstration	Crop Name	No. of demos	Area covered under demos (area in ha)	No of farmers participated
Demos on insecticide spray							
Demos on weedicide spray							
Demos on nutrient spray							

11.11 Augmenting Rapeseed- Mustard Production of Tribal Farmers of Jharkhand state for Sustainable Livelihood Security under Scheduled Tribe Component.

Varieties used	Situations (Irrigated/ Rainfed)	Varieties used in FP	Yield (Kg/ha)		YIOFP (%)	COC (Rs./ha)		GMR (Rs./ha)		ANMR (Rs./ha)	B:C ratio GMR/CoC	
			IP	FP		IP	FP	IP	FP		IP	FP

S.No	Item /Activity	Units	Quantity	No of beneficiaries
1	Training (Capacity building /skill development etc)			
1.1	1-3 days	No.		
2	Frontline demonstration (FLDs) and other demonstrations			
2.1	Area under FLDs	Hectare		
3	Awareness camps, exposure visit etc	No.		
4	Input Distribution			
4.1	Seeds (Field Crops)	Kg		
4.2	Small equipment's (Upto ₹ 2000)	No.		
4.3	Large equipment's (more than ₹2000)	Nos.		
4.4	Fertilizers (NPK)/ Secondary/ Micro Fertilizers	Kg		
4.5	Plant Protection chemicals	Lit.		
5	Distribution of Literature	No.		
6	Kisan Mela	No.		
7	Any other (specify)	No.		
8	**Total Budget Utilized**	**Rs**		

12. OTHER INDFROMATION

12.1 Integrated Farming System (IFS)

a. 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

b. Activities under IFS

Sl. No.	Component Name	No. of KVKs under the Component	No. of Components established	Area (ha)	No. of Activities		No. of farmers benefited	
					Demo	Training	Demo	Training
1.								
2.								

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

Phase	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I					
II					
Total					

12.3 . PPV & FRA Programme

Date of training/awareness programme	Venue	Resource Person	No. of participants

Details of plant varieties registered

Name of crop Registered	Year of registration	Registration number	Farmer name and details	Adress of the farmers

12.4 . a. Observation of Swachhta hi Sewa (2nd -31st Oct 2024)

Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
16/102024	2	5	4	54	63
24/10/2024	2	7	25	0	32

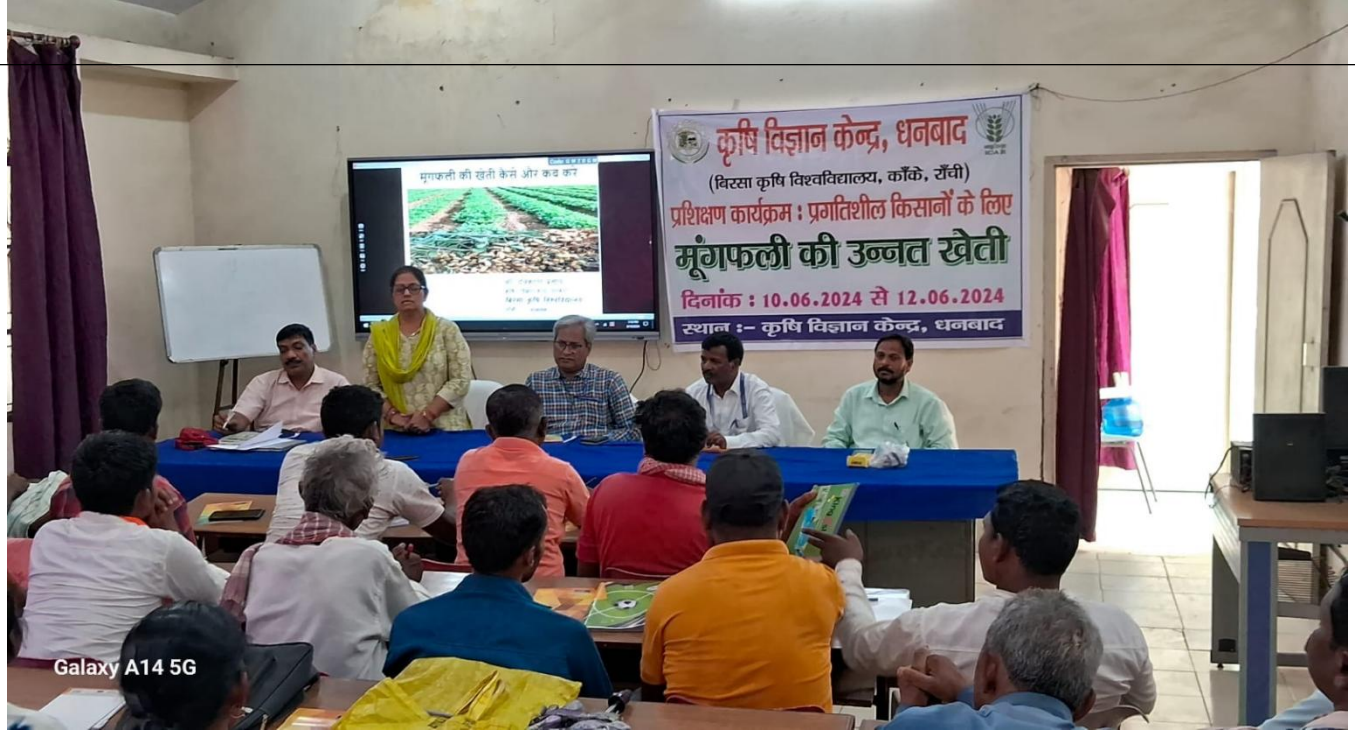
b. Observation of Swachta Pakhwada (15 Dec -31st Dec 2024)

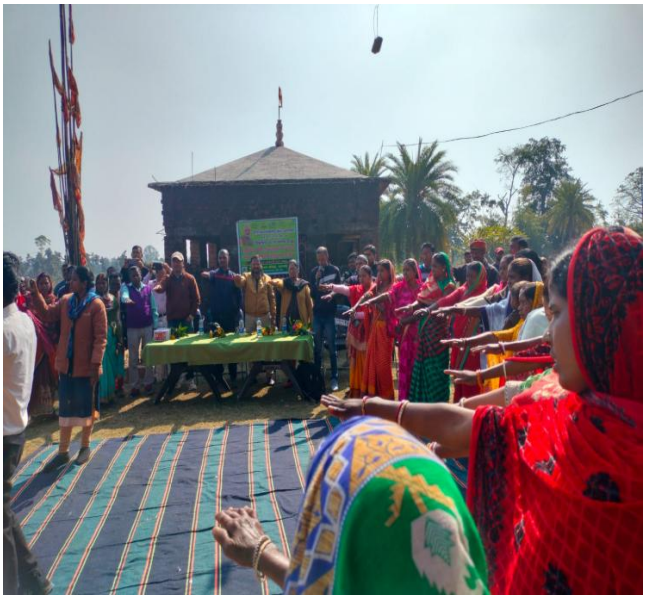
Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
23/12/2024	2	4	27	2	33
26/12/2024	2	5	36	0	41

c. Details of total budget expenditure on Swachh activities including SAP

S.No	**Activities**	**No of village covered**	**Total Expenditure (Rs.in Lakhs)**
1.	Vermicomposting		
S.No	**Activities**	**Name of activities conducted**	**Total Expenditure**
1.	Activities under Swachata Other than vermicomposting	**Awareness Programme, Cleniness**	**5000.00**

12.5 <u>Good quality action photographs with caption in JPEG FORMAT SEPARATELY of overall achievements of KVK during the year</u>


कृषि विज्ञान केन्द्र, धनबाद
(बिरसा कृषि विश्वविद्यालय, काँके, राँची)
प्रशिक्षण कार्यक्रम : प्रगतिशील किसानों के लिए
मूंगफली की उन्नत खेती
दिनांक : 10.06.2024 से 12.06.2024
स्थान :- कृषि विज्ञान केन्द्र, धनबाद
Galaxy A14 5G




मोदी सरकार की गारंटी


कृषि विज्ञान केन्द्र, धनबाद
स्वच्छ भारत अभियान


कृषि विज्ञान केन्द्र, धनबाद
दिनांक- 13-28 सितम्बर 2024


कृषि विज्ञान केन्द्र, धनबाद
19वां गाजरघास
जागरूकता सप्ताह