ANNUAL ACTION PLAN OF KRISHI VIGYAN KENDRA, DEOGHAR. JHARKHAND

(1st January to 31 December, 2025)

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	Website
	Office	FAX		
Krishi Vigyan Kendra, Deoghar P.O. Ghorlas, Deoghar, Jharkhand, Pin:- 814152	9470300626	06432-232967	kvkdeoghar@gmail.com	https://deoghar.kvk4.in

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

Address	Telephone		E mail	Website
	Office	FAX		
Deputy Commissioner, Deoghar-814112 (Jharkhand)	06432-232680	06432-232967	kvkdeoghar@gmail.com	https://deoghar.kvk4.in

1.2.b. Status of KVK website : Yes; Date when the website last updated:- 10/04/2025

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) :- 1,03,301

1.2.d Status of ICT lab at your KVK :

a) No. of P C units : 4

b) No. of Printers : 3

c) Internet connection : Yes

1.3. Name of the Senior Scientist & Head with phone & mobile no.

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Rajan Kumar Ojha	7549106450	9470300626	rajanojha@gmail.com

1.4. Year of sanction: 8(4)/82 – KVK, dated 21.02.1985 (Ref. of Sanction Order)

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

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC / Others)	Mobile No.	Email id	Please attach recent photograph
1	Sr. Sci. & Head	Vacant	–	–		–	–	–	Permanent	–	–	–	–
2	SMS1	Dr. Rajan Kumar Ojha	I/c Head & S.M.S.	Soil Science	Level-10 (56100-177500)	–	73200	01.04.2015	Permanent	Other	7549106450	rajanojha@gmail.com	

3	SMS 2	Dr. Vivek Kashyap	S.M.S.	Plant Protection	Level-10 (56100-177500)	_	73200	08.03.2016	Permanent	Other	7717756760	viveks585@gmail.com	
4	SMS 3	Dr. Poonam Soren	S.M.S.	Veterinary Science	Level-10 (56100-177500)	_	73200	08.03.2016	Permanent	ST	9572219534	poonamsoren4@gmail.com	
5	SMS 4	Vacant	_	_		_	_	_	Permanent	_	_	_	_
6	SMS 5	Vacant	_	_		_	_	_	Permanent	_	_	_	_
7	SMS 6	Vacant	_	_		_	_	_	Permanent	_	_	_	_
8	Farm Manager	Vacant	_	_		_	_	_	Permanent	_	_	_	_
9	Programme Assistant (Computer)	Vacant	_	_		_	_	_	Permanent	_	_	_	_
10	Lab assistant	Vacant	_	_		_	_	_	Permanent	_	_	_	_
11	Accountant/ Assistant	Vacant	_	_		_	_	_	Permanent	_	_	_	_
12	Stenographer	Rohit Kumar Das	Stenographer	Graduation	Level-4 (25500-81100)	_	29600	01.02.2020	Permanent	SC	9135806231	rohitkvk1995@gmail.com	
13	Driver 1	Chandan Kumar Ramani	Driver-I	Intermediate	Level-3 (21700-69100)	_	25200	01.06.2020	Permanent	OBC	8340551227	ckumarramani@gmail.com	
14	Driver 2	Mritunjay Raut	Driver-II	Intermediate	Level-3 (21700-69100)	_	25200	01.02.2020	Permanent	OBC	8797174153	mirtunjayraut4@gmail.com	
15	SSS1	Sahdeo Mandal	Supporting	Non - matric	Level-1 (18000-56900)	_	36500	01.03.1987	Permanent	OBC	7765996559	_	
16	SSS2	Vacant	_	_	_	_	_	_	Permanent	_	_	_	_

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.30
2.	Under Demonstration Units	1.70
3.	Under Crops	5.00
4.	Horticulture	1.60
5.	Pond	0.80
6.	Others if any	7.15
7.	Agroforestry	0.40

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding		Stage					
				Complete			Incomplete		
		ICAR	RKVY	Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	Host Organisation			325.00				
2.	Farmers Hostel	ICAR			273.03				
3.	Staff Quarters (6)	ICAR			-				
4.	Demonstration Units (2)				-				
5.	Fencing				-				
6.	Rain Water harvesting system				-				
7.	Threshing floor	ICAR			72.25				
8.	Farm godown	ICAR			76.00				
9.	Mushroom Lab	NHM			79.75				
10.	Mushroom production unit	NHM			55.25				
11.	Shade house	NHM			3350.00				
12.	Soil test Lab	ICAR			165.0				
13.	Others, Please Specify (Training Hall)	State Govt.			180.00				
14.	Others, Please Specify (AWS)	IMD			100.00				

B) Vehicles

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on December, 2024	Present status
Jeep (Bolero)	2010	ICAR	444090.00	200187 km	Good
Tractor	2014	ICAR	598000.00	1193 hour	Good
Motorcycle (Hero)	2015	ICAR	60000.00	16557 km	Requires repairing and maintenance
Motorcycle (Hero)	2016	ICAR	60000.00	22734 km	Good

C) Equipment's & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
a. Lab Equipments:			
Mridaparikshak	2016	75,000.00	Good
pH Meter	2018	14,455.00	Good
EC meter	2018	16,150.00	Good
Digital Balance	2005	24,500.00	Not in condition
Yorco Kjeldhal Distillation	2005	19,500.00	Not in condition
Micro Kjeldhal Apparatus	2005	16,250.00	Not in condition
Hot Air Oven -3	2005	18,850.00	Good

Hot Plate	2005	8,500.00	Good
Willey Mill	2005	16,000.00	Good
Voltage Stabilizer	2005	6,000.00	Good
Rotary Shaker	2005	29,900.00	Good
Variable Pipette – 3	2005	4,600.00	Good
Laminar Air-flow	2005	23650.00	Good
Teflon coated String	2005	600.00	Good
Air compressor	2008	26800.00	Good
Incubator	2008	118230	Good
Autoclave	2008	116030.00	Good
Domestic gas burner)	2020	2340.00	Good
Chulha (Single Burner)	2020	1120.00	Good
Cylinder	2021	5500.00	Good
Kadhai	2021	2400.00	Good
Induction	2020	3200.00	Good
Refrigerator	2010	10570.00	Good
b. Farm machinery/implements:			
Rotavator – 2	2015	5120.00	Good
Groundnut Decorticator	2012	7640.00	Good
Grass cutter	2012	2190.00	Good
Hand Sprayer (Plastic)	2017	1875.00	Good
Cultivator – 2	2020	10950.00	Good
Chaff cutter	2012	14830.00	Good
Rotavator	2023	141000.00	Good
c. A. V. Aids and office implements:			
Projector	2010	4190.0	Good
Generator	2010	18543.00	Good
Printer – 5	2017	8740.00	Good
Computer – 4	2017	4390.00	Good
Laptop – 1	2018	3580.00	Good
Stereo Speaker	2020	1560.00	Good
Sound Box	2012	2875.00	Good
Inverter setup	2015	19760.00	Good
Screen	2014	3280.00	Good
Podium	2017	6170.00	Good
White Board	2019	2030.00	Good
Stebilizer	2016	5890.00	Good
Xerox machine	2010	15430.00	Good
Solar unit	2018	-	Good
Air conditioner – 3	2012	29540	Good

1.8. A). Details of SAC meetings to be conducted in the year

Sl. No.	Date
1. Scientific Advisory Committee	To be conducted

Suggestions of SAC meeting

2. DETAILS OF MICRO-FARMING SITUATIONS OF THE DISTRICT

2.1 Micro-farming situations

a) Characteristics

S. No.	Agro-Ecological situations (AES)	Existing Farming System (Crop+livestock+others)	Major soil types
1	AES 1 (Name)	Agriculture+ Animal Husbandry+ Horticulture (Fruit Plants)	Upland, Gravely Rainfed, Laterite Soil
2	AES 2 (Name)	Agriculture+ Animal Husbandry+ Horticulture (Vegetables+Floriculture)	Midland, Canal & Well Irrigated, Sandy Loam Soil
3	AES 3 (Name)	Agriculture+ Animal Husbandry+ Horticulture (Vegetables)+ Fisheries	Lowland, Canal & River Irrigated, Sandy Clay Soil

b) Land Characteristics

S. No.	Agro-Ecological Situation (AES)	Topography	Drainage
1.	AES-1 (Name)	Upland, eroded soil- Rainfed Area	Well drained
2.	AES-2 (Name)	Medium land, Sandy Soil tank irrigated	Drained/Drainage required temporarily
3.	AES-3 (Name)	Low land-Alluvial soil river irrigated	Poorly drained, drainage required

c) AES-wise major problems

S.No	Agro-Ecological Situation (AES)	Major problems	Rank
1.	AES-1 (Name)	Acidic Soil, poor water holding capacity, low organic matter, erosion, poor fertility status	Acidic Soil(1), poor water holding capacity(4), low organic matter(3), erosion (2), poor fertility status(5)
2.	AES-2 (Name)	Light to medium textured, Less Acidic Soil, Low to medium organic matter, Low to medium available NPK, Less irrigation facility,	Light to medium textured (4),Less Acidic Soil (3), Low to medium organic matter(5), Low to medium available NPK(2), Less irrigation facility(1)
3.	AES-3 (Name)	Poor drainage facility, Poor aeration, Medium available NPK and OC	Poor drainage facility(1), Poor aeration(2), Medium available NPK and OC(3)

2.2. Area, Production and Productivity of major crops cultivated in the district (2024)

S. No	Crop	Area (000 ha)	Production (MT.)	Productivity (Qt./ha)	Yield gap (q/ha) with respect to demo of last year	Yield gap (q/ha) with respect to potential yield
1.	Paddy	34.083	132.924	39		
2.	Maize	9.467	27.454	29		
3.	Pigeon pea	1.416	1.558	11		
4.	Green gram	0.401	0.361	9		
5.	Black gram	0.574	0.488	8.5		
6.	Wheat	9.872	25.667	26		

7.	Mustard	21.325	20.259	9.5		
8.	Gram	6.005	8.707	14.5		
9.	Pea	1.412	2.542	18		
10.	Linseed	0.874	0.612	7		
11.	Jackfruit	1.83	45680.69	250		
12.	Mango	2.72	27234.00	135		
13.	Papaya	0.32	6385.20	200		
14.	Banana	0.24	4406.40	180		
15.	Guava	0.19	2907.00	150		
16.	Cauliflower	0.63	9914.40	150		
17.	Carrot	0.22	7180.80	320		
18.	Ginger	0.12	3427.20	160		
19.	Tomato	0.79	1913.31	300		
20.	Turmeric	0.07	1856.40	170		

Source: District agriculture department.

2.3. Weather data (2023-24)

Year	Month	Rainfall (mm)	Temperature ^{0}C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
2023-24	January	0.0	21.9	10.2	86.0	24.0
	February	22.4	25.2	11.4	90.0	14.0
	March	0.0	34.3	18.2	88.0	11.0
	April	4.8	40.1	25.2	58.0	10.0
	May	37.5	38.3	26.2	84.0	7.0
	June	84.7	38.6	26.0	90.0	19.0
	July	270.8	37.5	26.4	92.0	49.0
	August	283.6	36.8	26.3	94.0	42.0
	September	302.4	35.5	25.8	96.0	46.0
	October	84.7	33.4	22.3	87.0	36.0
	November	0.0	30.6	14.8	84.0	42.0
	December	18.43	27.5	13.4	90.0	25.0
Total		**1109.33**	40.2	25.2	55.0	9.0

2.4 Production and productivity of livestock, Poultry, Fisheries etc. in the district (2024)

Category	Population	Production	Productivity	Productivity gap
Cattle				
Indigenous Cattle	396350			
Crossbred Cattle	296348			
Buffalo	54383			
Sheep	25022			
Goats	472849			
Pigs	30129			
Poultry	486755			
Hens				
Desi				
Category		**Production (q)**	**Productivity**	
Fish (Reservoir)				

*Statical report

2.5 Details of Operational area / Villages

Name of Taluk	Name of the block	Name of the village	Major crops & enterprises	Existing yield (q/ha, number/year)	Major problem identified	Identified Thrust Areas
Arjunpur	Margomunda	Arjunpur	Groundnut		Low yield of oilseeds	Integrated Nutrient Management

Pipra	Sonaraithari	Pipra	Soyabean		Low yield of oilseeds	Seed Treatment, Line Sowing, Intercultural Operations, Integrated Disease and Pest Management
Dhobana	Devipur	Dhobana	Sunflower		Low yield of oilseeds	Seed Treatment, Line Sowing, Intercultural Operations, Integrated Disease and Pest Management
Dhamni	Madhupur	Jiyakhara	Niger		Lack of good quality seed	Seed production Techniques
Saptar	Madhupur	Saptar	Linseed		Low yield of oilseeds	Seed Treatment, Line Sowing, Intercultural Operations, Integrated Disease and Pest Management
Hethgaria	Sonaraithari	Hethgaria	Mustard		Low yield of oilseeds	Sulphur application
Andherigadar	Deoghar	Andherigadar	Poultry		Mortality of Chicks	Distribution, hygiene maintenance and vaccination
Arjunpur	Margomunda	Arjunpur	Duckery		Infection of disease	Distribution of chicks
Dhabaghat	Deoghar	Dhabaghat	Vegetables		Lack of inputs	Distribution of quality seeds
Khoripanan	Deoghar	Khoripanan	Vegetables		Lack of inputs	Distribution of quality seeds

2.6 Top five major priority thrust areas:

i. Promotion of sustainable agriculture through organic manures INM and IPM.

ii. Fostering rural entrepreneurship in dairy, poultry, piggery and goatery to enhance income generation.

iii. Empowering farming communities by promoting FPOs & SHGs.

iv. Expansion of Mushroom cultivation, including Spawn production across the district.

v. Conducting animal Health Camps and routine vaccination programmes for livestock.

3. TECHNICAL PROGRAMME

3 A. Details of targeted mandatory activities by KVK

OFT		**FLD**		
(1)		**(2)**		
Number of OFTs	Number of Farmers	Area (ha)	No of enterprises	Number of Farmers
6	60	Crop: 30 ha Compost: 10 units Mushroom: 400 units Poultry: 200 units	6	125

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
92	2300	551	11650

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
50	25000	-	500

3 B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Seed Production	Rice	Occasional droughts during Kharif season leading to poor growth and development in rainfed rice		Demonstration of medium duration drought resistant variety of rice	Scientific Package and practices of Paddy cultivation. Var: IR-64 (DRT 1)		Field Day	Seeds
2	Integrated Pest Management	Rice	Low yield due to increased infestation of stem borer in paddy	Assessment of Stem Borer Management in medium land rice		Integrated Pest Management Strategies in Rice	Integrated Pest Management practices for paddy cultivation	Field Day	Seeds
2	Seed Production	Pigeon pea	Lack of seed treatment resulting in poor yield of pigeon pea		Demonstration of bio-fertilizers for yield increase in pigeon pea	Scientific Package and practices of Arhar cultivation Var: IPA-203	Importance of Biofertilisers in boosting crop production	Field Day	Seeds
3	Integrated Pest Management	Groundnut	Reduced Yield due to Root rot disease management in Groundnut	Assessment of Root rot disease management in Groundnut		Integrated Pest Management practices of groundnut		Field Day	Insecticides

4	Nutrient Management	Mustard	Low yield due to improper fertilizer use in mustard	Assessment of sulphur application on mustard		Nutrient Management of Mustard		Field Day	Sulphur
5	Nutrient Management	Cauliflower	Excessive usage of chemical inputs in cauliflower cultivation	Organic cultivation packages in Cauliflower		Organic cultivation packages in Cauliflower		Field Day	Bijamrit, Jeevamrit, Ghanjivamrit
6	Nutrient Management	Potato	Low yield due to improper nutrient fertilizer & infestation of late blight in potato		Demonstration of zinc level on yield & quality on potato	Nutrient Management of Potato		Field Day	Zinc Sulphate
7	Mushroom Production	Mushroom	Unavailability of Spawn		Demonstration on cultivation of oyster Mushroom	Scientific practices of Oyster Mushroom production		Field Day	Spawn
8	Disease Management	Goat	Parasitic infestation in goats	Assessment of Karanj oil and Amitraj to control external parasites in goat		Disease Management of Goats		Field Day	Karanj oil and Amitraj
9	Feed Management	Goat	Poor body weight growth in field condition, low economic status	Assessment of supplementation of minerals and vitamins for enhancing growth of Black Bengal goats		Feed Management of Goats		Field Day	Mineral Mixture and Multivitamins

10	Feed Management	Poultry	Low body weight gain in backyard poultry production		High yielding poultry breed Jharsim, Vaccination, Mineral Mixture supplement	Scientific management of poultry			Vaccination, Mineral Mixture supplement

3.1 Technologies to be assessed

A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant production	1									1
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management		1			1					2
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management	1	1								2
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL	**2**	**2**			**1**					**5**

A.2. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Vermi culture	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management				1				1
Disease of Management				1				1
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL				**2**				**2**

B. Details of all On Farm Trial in the given format

Note: Each OFT detail should be given in the format

OFT No.1- (Soil Health & Fertility Management)

Crop	Mustard
Season	Rabi
Main problem	Low yield due to improper fertilizer use in mustard
Main cause	No application of sulphur in Mustard production
Title of OFT	Assessment of sulphur application on mustard.
Farming situation	Soil Type- Red Laterite, Land Type- Upland/Mid land Irrigation Type- Joria/Pond/Well, Previous Crop- Maize
Thematic area	Very specific thematic area
Farmer practice	FP :- Application of NPK @ 50-35-0 kg ha^{-1}
Technology option selected for assessment	TO1:- Application of NPKS @ 80-40-40-20 kg ha^{-1} (N through urea, P-S through SSP, remaining P through DAP, K through MOP). TO2 :- Application of NPKS @ 80-40-40-30 kg ha^{-1} (N through urea, P-S through SSP, remaining P through DAP, K through MOP).
Source of technology	BAU, Ranchi, Jharkhand, (2018-19)
No of trial	10
Detail of critical input	Urea, DAP, MOP & SSP
Cost of individual critical input	Rs. 1050 (Urea), Rs. 1420 (DAP), Rs. 530 (MOP) & Rs. 500 (SSP)
Total cost of critical input	Rs. 3550/- ha
Performance indicator to be recorded	(i) Technical indicator (No of tillers, Effective tillers, grains/panicle, Yield (q/ha) (ii) Economic indicator (iii) Farmer perception

OFT No.2- (Soil Health & Fertility Management)

Crop	Cauliflower
Season	Rabi
Main problem	Excessive usage of chemical inputs in cauliflower cultivation
Main cause	Try for higher yield & lower input cost
Title of OFT	Organic cultivation packages in Cauliflower
Farming situation	Soil type:- Sandy Loam , land type:- Medium Land, Irrigation type:- Pond, Deep tube-well, Season: Rabi, Previous crop: Groundnut
Thematic area	Nutrient management
Farmer practice	FP:- Application of 5 ton FYM/ ha + 52 kg N + 23 kg P2O5 + 15 kg K2O/ha through inorganic source
Technology option selected for assessment	To-1:- Application of 5 ton FYM ha-1 + 25% RDF (NPK) through organic source. (Organic farming)
Source of technology	To-2: Seed and Seedling Treatment with Bijamrit + 3 sprays of Jeevamrit at 21 days interval + Application of Ghanjivamrit @ 1.0 q ha-1 as basal application and 30 DAS (Natural Farming)
No of trial	RKM, KVK, Ranchi and NCOF, Ghaziabad
Detail of critical input	10
Cost of individual critical input	FYM, Urea, DAP, MoP, Bijamrit, Jeevamrit, Ghanjivamrit
Total cost of critical input	Rs. 7000/- (FYM), Rs. 260/- (Urea), Rs. 815/- (DAP), Rs. 140/- (MoP)

Performance indicator to be recorded	(i) Technical indicator Curd weight (kg), Curd yield (q ha-1), (ii) Economic indicator Cost of cultivation (Rs ha-1), Gross return (Rs ha-1), Net return (Rs ha-1), B: C Ratio (iii) Farmer perception

OFT No.3- (Veterinary Science)

Crop	Goat farming
Season	March-September
Main problem	Poor body weight growth in field condition, low economic status
Main cause	Least management and no nutritional supplementation
Title of OFT	Assessment of supplementation of minerals and vitamins for enhancing growth of Black Bengal goats
Farming situation	Rain fed production system: Traditional goat rearing
Thematic area	Feed Management of Livestock
Farmer practice	TO - 1: Free grazing with traditional farming with no extra nutritional supplementation
Technology option selected for assessment	TO - 2: FP + 5g min mix. For 3 months TO - 3: FP + Multivitamin for 3 months TO - 4: FP + 5g min mix and Multivitamin for 3 months
Source of technology	ICAR-CIARI, Port Blair, (2023)
No of trial	10
Detail of critical input	Mineral mixture and Vitamin B Complex for 3 months
Cost of individual critical input	To-1: No expense, To-2: Rs. 150 x 10 = 1500, To-3:- Rs. 105 x 4.5 vial x 10 = 4725/-, To-4: Rs. 1500 + Rs. 4725 = 6225/-
Total cost of critical input	Rs. 12,450/-
Performance indicator to be recorded	(i) Technical indicator Average body weight (ii) Economic indicator (iii) Farmer perception

OFT No.4- (Veterinary Science)

Crop	Goat farming
Season	March-September
Main problem	Parasitic infestation in goats
Main cause	Lack of awareness among farmers related to hygiene
Title of OFT	Assessment of Karanj oil and Amitraj to control external parasites in goat
Farming situation	Rain fed production system: Traditional goat rearing
Thematic area	Disease Management of Livestock
Farmer practice	TO-1: Lack of awareness among farmers on parasitic infestation in goat
Technology option selected for assessment	TO-2: Use of Karanj oil/Neem oil (100 ml) for 4 weeks
Source of technology	TO-3: Amitraj (12.5%) 5 ml/lit of water for 4 weeks
No of trial	TO-4: Karanj oil (100 ml) + Sulphur 10 g + Camphor (5.0 g) for 3 alt.days then weekly till a month
Detail of critical input	BAU, Ranchi
Cost of individual critical input	10

Total cost of critical input	Amitraj, Karanj oil, Sulphur, Camphor
Performance indicator to be recorded	(i) Technical indicator Average body weight, (ii) Economic indicator Average cost, Average income, B:C Ratio, (iii) Farmer perception

OFT No.5- (Plant Protection)

Crop	Rice
Season	Kharif
Main problem	Low yield due to increased infestation of stem borer in rice
Main cause	Pest infestation
Title of OFT	Assessment of Stem Borer Management in medium land rice
Farming situation	Soil type: Sandy Loam , Land type: Medium land,
Thematic area	Irrigation type: Pond, Deep tubewell, Season: Kharif, Previous crop: Greengram
Farmer practice	Integrated Pest Management
Technology option selected for assessment	T-1: No chemical practices.
Source of technology	T-2:- Nursery Treatment with Carbofuran 3G@ 1.5 a.i./ha (1kg/10 deci. Nursery) + Alternate spraying of Fipronil 5% SC @ 2ml/litre and Neem Oil @ 3000 ppm @ 3ml/litre water at 15 days interval 55 DAT.
No of trial	T-3: Nursery Treatment with Cartap Hydrochloride 4G @ 0.8 kg a.i./ha +Alternate spraying of Neem oil @ 3000 ppm and Indoxacarb 14.5 SC@ 1ml/litre at 55DAT.
Detail of critical input	NRRI, Cuttack, Orissa
Cost of individual critical input	10
Total cost of critical input	Carbofuran 3G, Fipronil 5% SC , Neem Oil, Cartap Hydrochloride 4G , Indoxacarb 14.5 SC
Performance indicator to be recorded	(i) Technical indicator No. of effective tillers/hill, No. of spikelet/panicle, Test wt. (1000 grain wt.), Pest incidence %, Yield (q/ha), (ii) Economic indicator Cost of cultivation (Rs ha-1), Gross Return (Rs ha-1), Net Return (Rs ha-1), B:C Ratio, (iii) Farmer perception

OFT No.6- (Plant Protection)

Crop	Groundnut
Season	Kharif
Main problem	Reduced yield due to root rot disease infestation in groundnut
Main cause	Root rot infestation in groundnut
Title of OFT	Assessment of Root rot disease management in Groundnut
Farming situation	Soil type: Sandy Loam , Land type: Medium land,
Thematic area	Irrigation type: Pond, Deep tubewell, Season: Kharif, Previous crop: Vegetables
Farmer practice	Integrated Disease Management in Groundnut
Technology option selected for assessment	FP:- No chemical practices.
Source of technology	TO-1: Seed Treatment with Carbendazim @ 2g/kg+ Soil Application of T. asperellum @ 2.5 kg/ha mixed with 50 kg FYM as basal dose and on 40 DAS
No of trial	TO-2: Deep summer ploughing with mould board plough + Seed Treatment with

	Tebuconazole @ 1.5 g/kg of seeds and PGPR @ 625 g/ha+ Soil Application of T. asperellum @ 4.0 kg/ha with enriched 250 kg FYM first at the time of sowing, 2nd and 3rd on 35 DAS, 60 DAS
Detail of critical input	TNAU, Coimbatore and ANGRAU, Hyderabad
Cost of individual critical input	10
Total cost of critical input	Carbendazim , T. asperellum , FYM, Tebuconazole, PGPR.
Performance indicator to be recorded	(i) Technical indicator Root rot disease incidence (%), Yield (q/ha), (ii) Economic indicator Cost of cultivation (Rs ha-1), Gross Return (Rs ha-1), Net Return (Rs ha-1), B:C Ratio, (iii) Farmer perception

3.2 Frontline Demonstrations

A. Details of FLDs to be organized -

Sl. No.	Crop	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified (Yield related attributes, yield economics and farmers' perception
1	Rice	Integrated Crop Management	Improved variety: IR-64 (DRT 1) + Line Sowing	Seeds	Kharif	10	25	Yield (q/ha), Economics, Farmers' Perception
2	Pigeon pea	Integrated Nutrient Management	High yielding variety IPA – 203, Seed treatment with bio-fertilizer, Line sowing with application of Lime.	Seeds	Kharif	10	25	Yield (q/ha), Economics, Farmers' Perception
3	Compost	Natural Resource Mangement	50 kg fresh cow dung and 150 kg household/field wastes + 100 g waste decomposer.	Waste Decomposer			10	Nutrient Content, Economics, Farmers' Perception
4	Potato	Nutrient mangement	Application of N:P:K @ 80:60:40 kg/ha+$ZnSO_4$	Zinc Sulphate	Rabi	10	25	No. of tubers/plant, Tuber weight (g), Tuber yield, Economics, Farmers' Perception
5	Mushroom	Mushroom production	High yielding Mushroom spawn & improved casing methods	Spawn		400 units	20	Yield/ bag, Economics, Farmers' Perception
				Total				

Sponsored Demonstration

Crop	Area (ha)	No. of farmers

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	**Field day**	**10**	**-**	**500**
2	**Kisan Mela**	**1**	**-**	**1000**
3	**Kishan Ghosthi**	**10**	**-**	**500**

4	**Exhibition**	**1**	**-**	**100**
5	**Ex-trainees sammelan**	**1**	**-**	**100**
6	**Special day celebration**	**5**	**-**	**250**
7	**Animal health camp**	**4**	**-**	**400**
8	**Soil test camp**	**2**	**-**	**200**
9	**Soil health camp**	**5**	**-**	**250**
10	**SHG conveners meeting**	**4**	**-**	**100**
11	**Farmer Scientist interaction**	**5**	**-**	**150**
12	**Scientist visit to farmers field**	**50**	**-**	**1000**

C. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Poultry	Jharsim	20	200	Mineral Mixture, Vaccine, Supplements	Technical indicator- Avg. Body wt. gain, Avg. Egg Production, Mortality, Economic indicator, Farmer Feedback

Details of all FLD in the given format

FLD No.1- (Rice)

Title of FLD	Demonstration of medium duration drought resistant variety of rice.
Season & Year	Kharif, 2025
Main Problem	Occasional droughts during Kharif season leading to poor growth and development in rainfed rice
Main cause of problem	Moisture stress in rice
Full detail of farmer's Practice	Local variety + Broadcasting
Name of the Technology	Integrated Crop Management
Full detail of technology to be demonstrated	Improved variety: IR-64 (DRT 1) + Line Sowing
Thematic area	Integrated Crop Management
Source of Technology with year	BAU, Ranchi
Name of villages	Dharwadih, Gopidih, Lalpur
Farming situation	Soil type: Sandy Loam , Land type: Medium land, Irrigation type: Pond, Deep tubewell, Previous crop: Vegetables

Area (ha)/Unit (No.)	10	No. of Farmers	25
Performance indicator	(I) Technical indicator- Effective tillers/m2, Panicle length (cm), Total grains/panicle, Test wt. (1000 grain wt.) gm, Grain yield (q ha-1), Straw yield (q ha-1), (II) Economic indicator Economic indicator- Yield (q/ha), Cost of cultivation (Rs ha-1), Gross return (Rs ha-1), Net return (Rs ha-1), B: C Ratio (III) Farmer Feedback-		

Note: Each FLD detail should be given in the format

FLD No.2- (Pigeon Pea)

Title of FLD	Demonstration of bio-fertilizers for yield increase in pigeon pea		
Season & Year	Kharif, 2025		
Main Problem	Low yield		
Main cause of problem	Lack of seed treatment with bio-fertilizer		
Full detail of farmer's Practice	Local variety using without seed treatment		
Name of the Technology	Integrated Nutrient Management		
Full detail of technology to be demonstrated	High yielding variety IPA – 203, Seed treatment with bio-fertilizer, Line sowing with application of Lime.		
Thematic area	Integrated Nutrient Management		
Source of Technology with year	BAU, Ranchi, 2015		
Name of villages	Arjunpur, Khoripanan, Raidih		
Farming situation	Soil type: Sandy Loam , Land type: Medium land,		
Area (ha)/Unit (No.)	10	No. of Farmers	25
Performance indicator	(I) Technical indicator- (II) Economic indicator- Yield (q/ha), Cost of cultivation (Rs ha-1), Gross return (Rs ha-1), Net return (Rs ha-1), B: C Ratio (III) Farmer Feedback-		

FLD No.3- (Compost)

Title of FLD	Demonstration of waste decomposer on composting period & quality of compost.
Season & Year	Rabi, 2025
Main Problem	Poor quality compost produce
Main cause of problem	Improper management of urban and rural waste material
Full detail of farmer's Practice	No techniques for management of waste
Name of the Technology	Improvement of quality compost through waste decomposer.
Full detail of technology to be demonstrated	50 kg fresh cow dung and 150 kg household/field wastes + 100 g waste decomposer.
Thematic area	Natural Resource Mangement
Source of Technology with year	IISS, Bhopal
Name of villages	Jitpur, Saptar

Farming situation	Soil type: Sandy Loam , Land type: Medium land, Irrigation type:- Rainfed, Previous crop:- Vegetables		
Area (ha)/Unit (No.)	No. of farmers - 10		
Performance indicator	(I) Technical indicator- Decomposition period, Nutrient content of compost (O.C, N, P, K) (II) Economic indicator- Yield (q/ha), Cost of cultivation (Rs ha-1), Gross return (Rs ha-1), Net return (Rs ha-1), B: C Ratio (III) Farmer Feedback-		

FLD No.4- (Potato)

Title of FLD	**Demonstration of zinc level on yield & quality on potato.**		
Season & Year	**Rabi, 2025**		
Main Problem	Low yield due to improper nutrient fertilizer & infestation of late blight in potato.		
Main cause of problem	Late blight of Potato disease		
Full detail of farmer's Practice	Application of N:P:K @ 80:60:40 kg/ha.		
Name of the Technology	FP + Zinc Sulphate @ 25 kg/ha.		
Full detail of technology to be demonstrated	RPCAU, Pusa		
Thematic area	Nutrient mangement		
Source of Technology with year	Integrated Nutrient Management		
Name of villages	Bandhu kurumtand, Jamani		
Farming situation	Soil type: Sandy Loam, Land type: Medium land, Irrigation type: Pond, Deep tubewell, Previous crop: Vegetables		
Area (ha)/Unit (No.)	10 ha	No. of Farmers	25
Performance indicator	(I) Technical indicator- % incidence of late blight, No. of tubers/plant, tuber weight (g), tuber yield, Dry matter, starch content, zinc content and and Economics. (II) Economic indicator - Yield (q/ha), Cost of cultivation (Rs ha-1), Gross return (Rs ha-1), Net return (Rs ha-1), B: C Ratio (III) Farmer Feedback-		

FLD No.5- (Oyster Mushroom)

Title of FLD	Demonstration on cultivation of oyster Mushroom
Season & Year	Rabi - 2025
Main Problem	Unavailability of spawn.
Main cause of problem	Lack of improved cultivation techniques of mushroom.
Full detail of farmer's Practice	Cultivation of mushroom as per availability of spawn
Name of the Technology	Improved spawn variety.
Full detail of technology to be demonstrated	High yielding Mushroom spawn & improved casing methods.
Thematic area	Mushroom production
Source of Technology with year	Directorate of Mushroom Research, Solan

Name of villages	Rohini, Lakra		
Farming situation	Rainfed production system		
Area (ha)/Unit (No.)	400 units	No. of farmers	20
Performance indicator	(I) Technical indicator- Av. Yield/ bag, Length of the stalk, Days of first harvest (II) Economic indicator- B: C Ratio (III) Farmer Feedback-		

FLD No.6- (Jharsim Poultry)

Title of FLD	Demonstration on improved rearing of Jharsim poultry		
Season & Year	Rabi – 2025		
Main Problem	Low body weight gain in backyard poultry production		
Main cause of problem	Low body weight gain due to non-descript desi birds and poor management in poultry production		
Full detail of farmer's Practice	Traditional poultry keeping with non-descript desi birds		
Name of the Technology	High yielding poultry breed Jharsim, Vaccination, Mineral Mixture supplement		
Full detail of technology to be demonstrated	Improved rearing of Jharsim poultry		
Thematic area	Poultry production		
Source of Technology with year	BAU, Ranchi		
Name of villages	Arjunpur, Bengi vishunpur		
Farming situation	Rainfed production system and semi- intensive poultry production		
Area (ha)/Unit (No.)	200 No.	No. of farmers	20
Performance indicator	(I) Technical indicator- Avg. Body wt. gain, Avg. Egg Production, Mortality, (II) Economic indicator- B: C Ratio (III) Farmer Feedback-		

3.3 Training (Including the sponsored and FLD training programmes): Note: 25 participants per training

A) ON Campus

Thematic Area	Name of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	-	0	0	0	0	0	0	0
Resource Conservation Technologies	-	0	0	0	0	0	0	0
Cropping Systems	-	0	0	0	0	0	0	0
Crop Diversification	-	0	0	0	0	0	0	0
Site specific nutrient management	-	0	0	0	0	0	0	0
Integrated Farming	-	0	0	0	0	0	0	0
Water management	-	0	0	0	0	0	0	0
Seed production	-	0	0	0	0	0	0	0

Nursery management	-	0	0	0	0	0	0	0
Integrated Crop Management	-	0	0	0	0	0	0	0
Fodder production	-	0	0	0	0	0	0	0
Production of organic inputs	-	0	0	0	0	0	0	0
Natural farming	-	0	0	0	0	0	0	0
a) Vegetable Crops								
Production of low volume and high value crops	-	0	0	0	0	0	0	0
Off-season vegetables	-	0	0	0	0	0	0	0
Nursery raising	-	0	0	0	0	0	0	0
Exotic vegetables like Broccoli	-	0	0	0	0	0	0	0
Export potential vegetables	-	0	0	0	0	0	0	0
Grading and standardization	-	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	-	0	0	0	0	0	0	0
Natural farming	-	0	0	0	0	0	0	0
b) Fruits		0	0	0	0	0	0	0
Training and Pruning	-	0	0	0	0	0	0	0
Layout and Management of Orchards	-	0	0	0	0	0	0	0
Cultivation of Fruit	-	0	0	0	0	0	0	0
Management of young plants/orchards	-	0	0	0	0	0	0	0
Rejuvenation of old orchards	-	0	0	0	0	0	0	0
Export potential fruits	-	0	0	0	0	0	0	0
Micro irrigation systems of orchards	-	0	0	0	0	0	0	0
Plant propagation techniques	-	0	0	0	0	0	0	0
c) Ornamental Plants		0	0	0	0	0	0	0
Nursery Management	-	0	0	0	0	0	0	0
Management of potted plants	-	0	0	0	0	0	0	0
Export potential of ornamental plants	-	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	-	0	0	0	0	0	0	0
d) Plantation crops		0	0	0	0	0	0	0
Production and Management technology	-	0	0	0	0	0	0	0
Processing and value addition	-	0	0	0	0	0	0	0
e) Tuber crops		0	0	0	0	0	0	0
Production and Management technology	-	0	0	0	0	0	0	0
Processing and value addition	-	0	0	0	0	0	0	0
f) Spices		0	0	0	0	0	0	0
Production and Management technology	-	0	0	0	0	0	0	0

Processing and value addition	-	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants		0	0	0	0	0	0	0
Nursery management	-	0	0	0	0	0	0	0
Production and management technology	-	0	0	0	0	0	0	0
Post harvest technology and value addition	-	0	0	0	0	0	0	0
III Soil Health and Fertility Management								
Soil fertility management	-	0	0	0	0	0	0	0
Soil and Water Conservation	-	0	0	0	0	0	0	0
Integrated Nutrient Management	Symptoms and cure of boron deficiency in cauliflower (1 no.)	6	4	10	8	7	15	25
	INM techniques for kharif pulses (1 no.)	6	4	10	8	7	15	25
	INM techniques for kharif oilseeds (1 no.)	6	4	10	8	7	15	25
	INM techniques for mustard (1 no.)	6	4	10	8	7	15	25
Production and use of organic inputs	Method of production of vermicompost (02 nos.)	12	8	20	16	14	30	50
Management of Problematic soils	Techniques for amelioration of acidic soils (02 no.)	12	8	20	16	14	30	50
Micro nutrient deficiency in crops	Micro Nutrient Deficiency in Vegetables (02 nos.)	12	8	20	16	14	30	50
Nutrient Use Efficiency	-	0	0	0	0	0	0	0
Soil and Water Testing	Importance of Soil Health Card and application in crop production (02 nos.)	12	8	20	16	14	30	50
IV Livestock Production and Management								
Dairy Management	Care and management of milking cows (04 nos.)	24	16	40	32	28	60	100
Poultry Management	Balanced feeding based on locally available materials to lactating animals (01 nos.)	6	4	10	8	7	15	25
Piggery Management		0	0	0	0	0	0	0
Rabbit /goat Management	Introduction of goat rearing for increasing income of resource poor farmers (03 nos.)	18	12	30	24	21	45	75
Disease Management	control of endo parasite in freshly calved cows to increase their milk yield(02 nos.)	12	8	20	16	14	30	50
Feed management	Feed management of poultry birds during summer(02 nos.)	12	8	20	16	14	30	50
Production of quality animal products	-	0	0	0	0	0	0	0
V Home Science/Women empowerment-								
Household food security by kitchen gardening and nutrition gardening	-	0	0	0	0	0	0	0
Design and development of low/minimum cost diet	-	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	-	0	0	0	0	0	0	0

Minimization of nutrient loss in processing	-	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	-	0	0	0	0	0	0	0
Storage loss minimization techniques	-	0	0	0	0	0	0	0
Value addition	-	0	0	0	0	0	0	0
Income generation activities for empowerment of rural Women	-	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	-	0	0	0	0	0	0	0
Rural Crafts	-	0	0	0	0	0	0	0
Women and child care	-	0	0	0	0	0	0	0
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	-	0	0	0	0	0	0	0
Use of Plastics in farming practices	-	0	0	0	0	0	0	0
Production of small tools and implements	-	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	-	0	0	0	0	0	0	0
Small scale processing and value addition	-	0	0	0	0	0	0	0
Post Harvest Technology	-	0	0	0	0	0	0	0
VII Plant Protection								
Integrated Pest Management	IPM of Kharif crops (02 nos.)	12	8	20	16	14	30	50
Integrated Disease Management	IDM of Rabi pulses and Oilseeds (02 nos.)	12	8	20	16	14	30	50
Bio-control of pests and diseases	Bio – control of pests and Diseases of Kharif pulses and paddy crop (02 nos.)	12	8	20	16	14	30	50
Production of bio control agents and bio pesticides	Production of Trichoderma sp. (02 nos.)	12	8	20	16	14	30	50
Mushroom Production	Production Technologies of Button and Oyster Mushroom (04 nos.)	24	16	40	32	28	60	100
VIII Fisheries								
Integrated fish farming	-	0	0	0	0	0	0	0
Carp breeding and hatchery management	-	0	0	0	0	0	0	0
Carp fry and fingerling rearing	-	0	0	0	0	0	0	0
Composite fish culture	-	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	-	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	-	0	0	0	0	0	0	0
Portable plastic carp hatchery	-	0	0	0	0	0	0	0
Pen culture of fish and prawn	-	0	0	0	0	0	0	0
Shrimp farming	-	0	0	0	0	0	0	0
Edible oyster farming	-	0	0	0	0	0	0	0
Pearl culture	-	0	0	0	0	0	0	0

Fish processing and value addition	-	0	0	0	0	0	0	0
IX Production of Inputs at site								
Seed Production	-	0	0	0	0	0	0	0
Planting material production	-	0	0	0	0	0	0	0
Bio-agents production	-	0	0	0	0	0	0	0
Bio-pesticides production	-	0	0	0	0	0	0	0
Bio-fertilizer production	-	0	0	0	0	0	0	0
Vermi-compost production	-	0	0	0	0	0	0	0
Organic manures production	-	0	0	0	0	0	0	0
Production of fry and fingerlings	-	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	-	0	0	0	0	0	0	0
Small tools and implements	-	0	0	0	0	0	0	0
Production of livestock feed and fodder	-	0	0	0	0	0	0	0
Production of Fish feed	-	0	0	0	0	0	0	0
X Capacity Building and Group Dynamics								
Leadership development	-	0	0	0	0	0	0	0
Group dynamics	-	0	0	0	0	0	0	0
Formation and Management of SHGs/FPOs etc	-	0	0	0	0	0	0	0
Mobilization of social capital	-	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	-	0	0	0	0	0	0	0
WTO and IPR issues	-	0	0	0	0	0	0	0
XI Agro-forestry								
Production technologies	-	0	0	0	0	0	0	0
Nursery management	-	0	0	0	0	0	0	0
Integrated Farming Systems	-	0	0	0	0	0	0	0
XII Others (Pl. Specify)	-	0	0	0	0	0	0	0
TOTAL		**216**	**144**	**360**	**288**	**252**	**540**	**900**
(B) RURAL YOUTH								
Mushroom Production	Cultivation techniques of Button Mushroom (02 nos.)	12	8	20	16	14	30	50
	Mushroom cultivation, value addition and marketing management (02 nos.)	12	8	20	16	14	30	50
Bee-keeping	-	0	0	0	0	0	0	0
Integrated farming	-	0	0	0	0	0	0	0
Seed production	-	0	0	0	0	0	0	0
Production of organic inputs	Sustainable agriculture production management through organic farming (02 nos.)	12	8	20	16	14	30	50
Integrated Farming (Medicinal)	-	0	0	0	0	0	0	0
Planting material production	-	0	0	0	0	0	0	0
Vermi-culture	-	0	0	0	0	0	0	0
Sericulture	-	0	0	0	0	0	0	0

Protected cultivation of vegetable crops	Protected Cultivation of Vegetable Crops (02 nos.)	12	8	20	16	14	30	50
Commercial fruit production	-	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	-	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	Planting Material Production (02 nos.)	12	8	20	16	14	30	50
Training and pruning of orchards	-	0	0	0	0	0	0	0
Value addition	-	0	0	0	0	0	0	0
Production of quality animal products	-	0	0	0	0	0	0	0
Dairying	Dairy practices and management (01 no.)	6	4	10	8	7	15	25
Sheep and goat rearing	Commercial goat farming and marketing management (01 no.)	6	4	10	8	7	15	25
Quail farming	-	0	0	0	0	0	0	0
Piggery	-	0	0	0	0	0	0	0
Rabbit farming	-	0	0	0	0	0	0	0
Poultry production	-	0	0	0	0	0	0	0
Ornamental fisheries	-	0	0	0	0	0	0	0
Para vets	-	0	0	0	0	0	0	0
Para extension workers	-	0	0	0	0	0	0	0
Composite fish culture	-	0	0	0	0	0	0	0
Freshwater prawn culture	-	0	0	0	0	0	0	0
Shrimp farming	-	0	0	0	0	0	0	0
Pearl culture	-	0	0	0	0	0	0	0
Cold water fisheries	-	0	0	0	0	0	0	0
Fish harvest and processing technology	-	0	0	0	0	0	0	0
Fry and fingerling rearing	-	0	0	0	0	0	0	0
Small scale processing	-	0	0	0	0	0	0	0
Post Harvest Technology	-	0	0	0	0	0	0	0
Tailoring and Stitching	-	0	0	0	0	0	0	0
Rural Crafts	-	0	0	0	0	0	0	0
TOTAL		72	48	120	96	84	180	300
(C) Extension Personnel								
Productivity enhancement in field crops	Productivity enhancement in field crops (02 nos.)	12	8	20	16	14	30	50
Integrated Pest Management	-	0	0	0	0	0	0	0
Integrated Nutrient management	Integrated Nutrient management (02 nos.)	12	8	20	16	14	30	50
Rejuvenation of old orchards	-	0	0	0	0	0	0	0
Protected cultivation technology	-	0	0	0	0	0	0	0
Formation and Management of SHGs	-	0	0	0	0	0	0	0
Group Dynamics and farmers organization	-	0	0	0	0	0	0	0
Information networking among farmers	-	0	0	0	0	0	0	0
Capacity building for ICT application	-	0	0	0	0	0	0	0

Care and maintenance of farm machinery and implements	-	0	0	0	0	0	0	0
WTO and IPR issues	-	0	0	0	0	0	0	0
Management in farm animals	Management in farm animals (02 nos.)	12	8	20	16	14	30	50
Livestock feed and fodder production	Livestock feed and fodder production (02 nos.)	12	8	20	16	14	30	50
Household food security	-	0	0	0	0	0	0	0
Women and Child care	-	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	-	0	0	0	0	0	0	0
Production and use of organic inputs	-	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	-	0	0	0	0	0	0	0
Any other (Pl. Specify)	-	0	0	0	0	0	0	0
TOTAL		48	32	80	64	56	120	200
G. Total		**336**	**224**	**560**	**448**	**392**	**840**	**1400**

B) OFF Campus Note: 25 participants per training

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	0	0	0	0	0	0	0	0
Resource Conservation Technologies	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0
Water management	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Crop Management	0	0	0	0	0	0	0	0
Fodder production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	0	0	0	0	0	0	0	0
Off-season vegetables	0	0	0	0	0	0	0	0
Nursery raising	0	0	0	0	0	0	0	0
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	0	0	0	0	0	0	0	0
b) Fruits								
Training and Pruning	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0
Cultivation of Fruit	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0

Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0
c) Ornamental Plants								
Nursery Management	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0
d) Plantation crops								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
e) Tuber crops								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
f) Spices								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants								
Nursery management	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0
III Soil Health and Fertility Management								
Soil fertility management	0	0	0	0	0	0	0	0
Soil and Water Conservation	0	0	0	0	0	0	0	0
Integrated Nutrient Management	4	24	16	40	32	28	60	100
Production and use of organic inputs	2	12	8	20	16	14	30	50
Management of Problematic soils	2	12	8	20	16	14	30	50
Micro nutrient deficiency in crops	2	12	8	20	16	14	30	50
Nutrient Use Efficiency	0	0	0	0	0	0	0	0
Soil and Water Testing	2	12	8	20	16	14	30	50
IV Livestock Production and Management								
Dairy Management	3	18	12	30	24	21	45	75
Poultry Management	2	12	8	20	16	14	30	50
Piggery Management	0	0	0	0	0	0	0	0
Rabbit /goat Management	3	18	12	30	24	21	45	75
Disease Management	2	12	8	20	16	14	30	50
Feed management	2	12	8	20	16	14	30	50
Production of quality animal products	0	0	0	0	0	0	0	0
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	0	0	0	0	0	0	0	0
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0

Value addition	0	0	0	0	0	0	0	0
Income generation activities for empowerment of rural Women	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
Women and child care	0	0	0	0	0	0	0	0
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
VII Plant Protection								
Integrated Pest Management	2	12	8	20	16	14	30	50
Integrated Disease Management	2	12	8	20	16	14	30	50
Integrated Crop Management	2	12	8	20	16	14	30	50
Bio-control of pests and diseases	3	18	12	30	24	21	45	75
Mushroom Production	3	18	12	30	24	21	45	75
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0
VIII Fisheries								
Integrated fish farming	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0
IX Production of Inputs at site								
Seed Production	0	0	0	0	0	0	0	0
Planting material production (Horti.)	0	0	0	0	0	0	0	0
Mushroom Production	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0
Vermi-compost production (Horti.)	0	0	0	0	0	0	0	0
Organic manures production (A.S.)	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0

Production of livestock feed and fodder	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0
X Capacity Building and Group Dynamics								
Leadership development	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0
Formation and Management of SHGs(HS)	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths (Agro)	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
XI Agro-forestry								
Production technologies	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Farming Systems (Agro)	0	0	0	0	0	0	0	0
XII Others (Pl. Specify)	0	0	0	0	0	0	0	0
TOTAL	**36**	**216**	**144**	**360**	**288**	**252**	**540**	**900**

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	0	0	0	0	0	0	0	0
Resource Conservation Technologies	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0
Water management	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Crop Management	0	0	0	0	0	0	0	0
Fodder production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	0	0	0	0	0	0	0	0
Off-season vegetables	0	0	0	0	0	0	0	0
Nursery raising	0	0	0	0	0	0	0	0
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	0	0	0	0	0	0	0	0
b) Fruits								
Training and Pruning	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0
Cultivation of Fruit	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0

Plant propagation techniques	0	0	0	0	0	0	0	0
c) Ornamental Plants								
Nursery Management	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0
d) Plantation crops								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
e) Tuber crops								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
f) Spices								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants								
Nursery management	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0
III Soil Health and Fertility Management								
Soil fertility management	0	0	0	0	0	0	0	0
Soil and Water Conservation	0	0	0	0	0	0	0	0
Integrated Nutrient Management	8	48	32	80	64	56	120	200
Production and use of organic inputs	4	24	16	40	32	28	60	100
Management of Problematic soils	4	24	16	40	32	28	60	100
Micro nutrient deficiency in crops	4	24	16	40	32	28	60	100
Nutrient Use Efficiency	0	0	0	0	0	0	0	0
Soil and Water Testing	4	24	16	40	32	28	60	100
IV Livestock Production and Management								
Dairy Management	7	42	28	70	56	49	105	175
Poultry Management	3	18	12	30	24	21	45	75
Piggery Management	0	0	0	0	0	0	0	0
Rabbit Management/goat	6	36	24	60	48	42	90	150
Disease Management	4	24	16	40	32	28	60	100
Feed management	4	24	16	40	32	28	60	100
Production of quality animal products	0	0	0	0	0	0	0	0
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	0	0	0	0	0	0	0	0
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0
Income generation activities for empowerment of rural Women	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
Women and child care								
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0

Production of small tools and implements	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
VII Plant Protection								
Integrated Pest Management	4	24	16	40	32	28	60	100
Integrated Disease Management	4	24	16	40	32	28	60	100
Integrated Crop Management	2	12	8	20	16	14	30	50
Bio-control of pests and diseases	5	30	20	50	40	35	75	125
Mushroom Production	7	42	28	70	56	49	105	175
Production of bio control agents and bio pesticides	2	12	8	20	16	14	30	50
VIII Fisheries								
Integrated fish farming	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0
IX Production of Inputs at site								
Seed Production	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0
X Capacity Building and Group Dynamics								
Leadership development	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
XI Agro-forestry								
Production technologies	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0
Sponsored training	0	0	0	0	0	0	0	0
TOTAL	**72**	**432**	**288**	**720**	**576**	**504**	**1080**	**1800**
(B) RURAL YOUTH								
Mushroom Production	2	12	8	20	16	14	30	50
	2	12	8	20	16	14	30	50
Bee-keeping	0	0	0	0	0	0	0	0

Integrated farming	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0
Production of organic inputs	2	12	8	20	16	14	30	50
Integrated Farming	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0
Vermi-culture	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	2	12	8	20	16	14	30	50
Commercial fruit production	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	2	12	8	20	16	14	30	50
Training and pruning of orchards	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0
Dairying	1	6	4	10	8	7	15	25
Sheep and goat rearing	1	6	4	10	8	7	15	25
Quail farming	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
TOTAL	**12**	**72**	**48**	**120**	**96**	**84**	**180**	**300**
(C) Extension Personnel								
Productivity enhancement in field crops	2	12	8	20	16	14	30	50
Integrated Pest Management	0	0	0	0	0	0	0	0
Integrated Nutrient management	2	12	8	20	16	14	30	50
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
Management in farm animals	2	12	8	20	16	14	30	50
Livestock feed and fodder production	2	12	8	20	16	14	30	50
Household food security	0	0	0	0	0	0	0	0
Women and Child care	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Any other (Pl. Specify)	0	0	0	0	0	0	0	0

Total	**8**	**48**	**32**	**80**	**64**	**56**	**120**	**200**
G.Total	**92**	**552**	**368**	**920**	**736**	**644**	**1380**	**2300**

Details of training programmes attached in **Annexure -I**

3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	10	325	175	500	25	25	50	350	200	550
Kisan Mela	2	1500	500	2000	25	25	50	1525	525	2050
Kisan Ghosthi	4	325	175	500	15	15	30	340	190	530
Exhibition	2	150	50	200	10	10	20	160	60	220
Film Show	5	225	75	300	10	10	20	235	85	320
Farmers Seminar	5	325	175	500	10	10	20	335	185	520
Workshop	2	150	50	200	5	5	10	155	55	210
Group meetings	10	325	175	500	10	10	20	335	185	520
Lectures delivered as resource persons	200	-	-	-	-	-	-	-	-	-
Newspaper coverage	200	-	-	-	-	-	-	-	-	-
Radio talks	20	-	-	-	-	-	-	-	-	-
TV talks	10	-	-	-	-	-	-	-	-	-
Popular articles	5	-	-	-	-	-	-	-	-	-
Extension Literature	10	-	-	-	-	-	-	-	-	-
Advisory Services	1	325	175	500	25	25	50	350	200	550
Scientific visit to farmers field	10	750	250	1000	25	25	50	775	275	1050
Farmers visit to KVK	1	600	200	800	-	-	-	600	200	800
Diagnostic visits	10	225	75	300	-	-	-	225	75	300
Exposure visits	10	225	75	300	5	5	10	230	80	310
Ex-trainees Sammelan	2	150	50	200	5	5	10	155	55	210
Soil health Camp	5	325	175	500	10	10	20	335	185	520
Animal Health Camp	2	150	50	200	10	10	20	160	60	220
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	5	325	175	500	10	10	20	335	185	520
Farm Science Club Conveners meet	2	45	15	60	5	5	10	50	20	70
Self Help Group Conveners meetings	4	90	30	120	5	5	10	95	35	130
Mahila Mandals Conveners meetings	2	45	15	60	5	5	10	50	20	70
Celebration of important days (specify)	-	-	-	-	-	-	-	-	-	-
Krishi Mohostva	1	150	50	200	5	5	10	155	55	210
Krishi Rath	1	150	50	200	5	5	10	155	55	210
Pre Kharif workshop	1	400	200	600	10	10	20	410	210	620
Pre Rabi workshop	1	75	25	100	5	5	10	80	30	110
PPVFRA workshop	2	400	200	600	10	10	20	410	210	620
Any Other (Specify)	1	150	50	200	5	5	10	155	55	210
Total	551	7905	3235	11140	255	255	510	8160	3490	11650

3.5 Target for Production and supply of Technological products

A) SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Paddy	CR Dhan 320	25
	Paddy	IR - 64 (DRT 1)	25
OILSEEDS	Mustard	RH-761	5
PULSES	Pigeon pea	IPA-203	12
	Chickpea	Birsa Chana-3	8
OTHERS (Specify)	Finger Millet	Birsa Madua-3	5

B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Mango	Amrapali/Malda	2500
	Papaya	Red Glow	2500
SPICES	-	-	-
VEGETABLES	Tomato	Swarna Lalima	5000
	Chilli	Swarna Prafulya	5000
	Cauliflower	Pusa Snowball K-1	5000
	Brinjal	Swarna Shobha (HABR-4)	5000
FOREST SPECIES	-	-	-
ORNAMENTAL CROPS	-	-	-
		Total	**25000**

C) BIO-PRODUCT

Sl. No.	Product Name	Species	Quantity	
			No	**(kg)**
BIO PESTICIDES				
1.	Jeeva amrit/Beeja amrit/ Neeastra/Brahamastra/Ag neyastra			1000 Litre

D) LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	**Unit**
Cattle	-	-	-	-
	-	-	-	-
GOAT	-	-	-	-
SHEEP	-	-	-	-
POULTRY	-	-	-	-
Pig farming	-	-	-	-
FISHERIES	-	-	-	-

3.6 Literature to be Developed/Published

(A) KVK News Letter

Date of start : Jan, 2025

Number of copies to be published : 10

(B) Literature to be developed /published

S. No.	Topic	Number
1	Research paper each scientist	01
2	Technical reports	06
3	News letters	05
4	Training manual all discipline	06
5	Popular article	08
6	Extension literature	3000
	Total	

(C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette, whatsapp group, mobile app, etc.	Title of the product	Number
1	10	Goatery training, Poultry Training, Mushroom Training, Vermicompost production etc.	10

3.7. Success stories/Case studies identified for development as a case. -

a. Brief introduction/Background

b. Interventions/process

c. Output

d. Outcomes

e. Impact

i) Social economic

ii) Bio-Physical

f. Good Action Photographs

3.8 Indicate the specific training need analysis tools/methodology followed for

Practicing Farmers

a)

b)

c)

Rural Youth

a)

b)

c**)**

d)

In-service personnel

a)

b)

c)

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT:

i) PRA

ii) Problem identified from Matrix based ranking & analysis

iii) Field level observations

iv) Farmer group discussions

v) Others if any

For FLD:

i) New variety/technology
ii) Poor yield at farmers level
iii) Existing cropping system
iv) Others if any

3.10 Field activities

i. Name of villages identified/adopted with block name (from which year) -Kindly refer to column 2.5

ii. No. of farm families selected per village: 15

iii. No. of PRA conducted: 1 per village

iv. No. of technologies taken to the adopted villages: 05

v. Name of the technologies found suitable by the farmers of the adopted villages:

vi. Impact (production, income, employment, area/technological– horizontal/vertical): Will be assessed

vii. Constraints if any in the continued application of these improved technologies

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment : 2006

2. List of equipment's purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Kindly refer to Column 1.7 C		

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	500	500	21	100000=00
Water				
Plant				
Total	500	500	21	100000=00

4.0 LINKAGES

4.1 Functional linkage with different organizations/department

Sl.No.	Name of organization	Nature of Linkage	Outcome of linkage
1.	District Agricultural Office, Deoghar	Meeting of district level monitoring committee, National Food Security Mission, Training and Workshops	
2.	ATMA, Deoghar	Training and Technical Support	
3.	NABARD	Implementation of various rural welfare programmes	
4.	District Animal Husbandry Office, Deoghar	Training and Vaccination Camps	
5.	District Soil Conservation Office, Deoghar	Training and Technical Support	
6.	Birsa Agricultural University, Kanke, Ranchi	Input and Technical Support	

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district: Yes

S. No.	Programme	Nature of linkage	Outcome of linkage
1		Technology Assessment, Field Day, Kisan Goshthi, Krishak Pathshala, Demonstration, Training, Group Meetings etc.	

5. Utilization of Hostel facilities

S. No.	Programme	No. of days
1		
2		
	Total	

6. Partnership with departments for technology out scaling (proposed):

Annexure - I

Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total	Month of training
				M	F	T	M	F	T		
Crop Production											
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
Horticulture											
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
Livestock prod.											
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
Agril. Engg.											
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
Home Sc.											
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
Plan prot.											
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
Fisheries											
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
Soil Health											
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0

i) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total	Month of training
				M	F	T	M	F	T		
Crop Production											
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
Horticulture											
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
Live Stock Production.											
	PF/FW	Disease and Feed Management of Goats	1	10	15	25	5	5	10	25	June
	PF/FW	Fodder Production of Livestock	1	10	15	25	5	5	10	25	May
	PF/FW	Disease and Feed Management of Poultry	1	10	15	25	5	5	10	25	September
	PF/FW	Disease Management through vaccination in livestock	1	10	15	25	5	5	10	25	October
	PF/FW	Feed Management of Cattle	1	10	15	25	5	5	10	25	August
	PF/FW	Disease Management of Cattle	1	10	15	25	5	5	10	25	November
	PF/FW	Scientific rearing practices of duck	1	10	15	25	5	5	10	25	December
	PF/FW	Disease Management of Livestock	1	10	15	25	5	5	10	25	March
Agril. Engg.											
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
Home Sc.											
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
Plant Protection											
	PF/FW	Mushroom Production	1	10	15	25	5	5	10	25	January
	PF/FW	Disease and Pest Management of Rice	1	10	15	25	5	5	10	25	August
	PF/FW	Management of Pod Borer in Pulse Crops	1	10	15	25	5	5	10	25	September
	PF/FW	Disease and Pest Management of Maize	1	10	15	25	5	5	10	25	May
	PF/FW	Management of Aphids in Mustard	1	10	15	25	5	5	10	25	October
	PF/FW	Management of Late Blight Disease of Potato	1	10	15	25	5	5	10	25	November
	PF/FW	Integrated Pest Management of Vegetables	1	10	15	25	5	5	10	25	December
	PF/FW	Insect pest management of mango orchards	1	10	15	25	5	5	10	25	March
Fisheries											
	PF/FW	0	0	0	0	0	0	0	0	0	0

	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
	PF/FW	0	0	0	0	0	0	0	0	0	0
Soil health											
	PF/FW	Reclamation of Acidic Soils	1	10	15	25	5	5	10	25	May
	PF/FW	Soil and Water Testing	1	10	15	25	5	5	10	25	February
	PF/FW	Integrated Nutrient Management of Rice	1	10	15	25	5	5	10	25	July
	PF/FW	Integrated Nutrient Management of Pulse Crops	1	10	15	25	5	5	10	25	October
	PF/FW	Integrated Nutrient Management of Oilseed Crops	1	10	15	25	5	5	10	25	November
	PF/FW	Micronutrient Application in Field Crops	1	10	15	25	5	5	10	25	April
	PF/FW	Micronutrient Application in Horticultural Crops	1	10	15	25	5	5	10	25	September
	PF/FW	Scientific Methods of Preparation of Vermicompost	1	10	15	25	5	5	10	25	June

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			SC/ST participants			G.Total	Month of training
				M	F	T	M	F	T		
Goatery Management	On	Livestock Production & Management	05	15	5	20	5	5	10	30	October
Vermi-compost Production	On	Production of input at site	05	15	5	20	5	5	10	30	September
Nursery Management	On	Crop production	05	15	5	20	5	5	10	30	November
Poultry Management	On	Livestock Production & Management	05	15	5	20	5	5	10	30	March
Mushroom cultivation, value addition and marketing management	On	Mushroom Production	05	10	5	15	10	5	15	30	February
										150	

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total	
				M	F	T	M	F	T		
On Campus											
-	Productivity enhancement in field crops (2 Nos.)	Integrated Crop Management	03							50	May, September
-	Management in farm animals (2 Nos.)	Livestock Production & Management	03							50	June, October
-	Livestock feed and	Nutritional management for	03							50	February,

	fodder production (2 Nos.)	cattle									November
-	Integrated Nutrient management (2 Nos.)	Nutrient management	03							50	April, November
										200	

iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training progdramme											
			Total								
b) Sponsored research programme											
			Total								
c) Any special programmes											
			Total								

Senior Scientist & Head