



Krishi Vigyan Kendra-Lohardaga

P.O-Kisko Dist.-Lohardaga, Jharkhand

BIRSA AGRICULTURAL UNIVERSITY

Email: kvklohardaga2011@gmail.com



ACTION PLAN

(1st January 2026 to 31 December, 2026)

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
Krishi Vigyan Kendra, Block –Kisko, Lohardaga-835305, Jharkhand	Office	FAX	kvklohardaga2011@gmail.com	
	9142256839			

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

Address	Telephone		E mail	Website
Director, Directorate of Extension Education, B.A.U, Kanke, Ranchi-834006, (Jharkhand)	Office	FAX	deebau@gmail.com	
	0651 2450849	06512450525		

1.2. b. Status of KVK website: Yes/Date when the website last updated: **30 April 2026**

1.2. c. No. of Visitors (Hits) to your KVK website (as on today): **175955**

1.2. d Status of ICT lab at your KVK:

- a) No. of PC units : 2
- b) No. of Printers : 2
- c) Internet connection : Yes

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

Name	Telephone / Contact		
Dr. Kiran Singh	Office	Mobile	Email
	KVK, Lohardaga	9142256839	Kvklohardaga2011@gmail.com

1.4. Year of sanction: S. No./6-1/99-AE-1 dated 24.06.2004

1.5. Staff Position (as on 1st January, 2026):

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	Senior Scientist & Head	Dr. Kiran Singh	I /C Senior Scientist & Head	Ag. Ext.	Rs. 15600-39100 /-	G.P. 8000/ Sr. Scale, Rese arch level 12		2004-07-20	Permanent	Others	9142256839	Kvklohardaga2011@gmail.com	

2	Scientist (Agronomy)	Dr. Devkant Prasad	Scientist (Agronomy)	Agronomy	Rs. 15600-39100/-	G.P. 8000/ Sr. Scale, Research level 12	2004-07-19	Permanent	Others	9471535524	drprasadd evkant@gmail.com	
3	Scientist (Agriculture Engineering)	Brahamdeo Kumar Yadav	Scientist (Agriculture Engineering)	Agriculture Engineering	Rs. 15600-39100/-	G.P. 8000/ Sr. Scale, Research level 12	2004-11-27	Permanent	Others	7992360526	bd2511@gmail.com	
4	Scientist (Agriculture Entomology)	Dharma Oraon	Scientist (Agriculture Entomology)	Agriculture Entomology	Rs. 15600-39100/-	G.P. 8000/ Sr. Scale, Research level 12	2004-08-02	Permanent	ST	(+91) 9162184472	dharma.72kvk@gmail.com	
5	Programme Assistant	Mukesh Kumar	Programme Assistant	Horticulture	Rs.- 9300-34500 (21100)	4200/	2004-07-19	Permanent	Other	(+91) 8507768645	mukesh.prachi123@gmail.com	
6	Farm Manager	Kaushik Chatterjee	Farm Manager	Agronomy	Rs.9300-34500 (21100)	4200/	20.07.04	Permanent	Other	9162489162	kaushikbau@gmail.com	
7	Assistant	Pankaj Kumar Singh	Assistant	M.Sc (Botany)	Rs. 9300-34,800	4200/	04.02.2025	Permanent	Other	8340431818	singhpankajku mar8@gmail.com	
8	Driver	Devnath Oraon	Driver		9000 (Fixed)			Contractual	ST	7250096522		
9	Supporting staff	Mahendra Oraon	Supporting staff		7000 (Fixed)			Contractual	ST	8409870015		
10	Supporting staff	Phool Kumari	Supporting staff	-	7000 (Fixed)			Contractual	ST	9934674374		

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1.	Under Buildings	1.50
2.	Under Demonstration Units	0.50
3.	Under Crops	3.50
4.	Horticulture	1.00
5.	Pond	2.00
6.	Farm Post Harvesting area & Roadways	1.50
	Total	10.00

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding		Stage					
		ICAR	RKVY	Completion Year	Complete Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Incomplete Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR		2007	500				
2.	Farmers Hostel	ICAR		2007	300				
3.	Staff Quarters (6)	ICAR						400	Incomplete
4.	Demonstration Units (2)								
5.	Fencing								
6.	Rain Water harvesting system								
7.	Threshing floor	ICAR					2005	300	Incomplete
8.	Farm godown	ICAR					2005	150	Incomplete
	Other								

B) Vehicles

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on December, 2025	Present status
Bolero	2023-24	ICAR	925307.00	11988 km	Working
Tractor	2023	BAU, Ranchi	632500	29.3 hp	Working
Tractor	2023	BAU, Ranchi	577500	45 hp	Working

C) Equipment's & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Mini Lab	2016	75000	Working
Projector	2011-12		Not working
Smart Screen	2023		Working

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

Sl.No.	Date
1. Scientific Advisory Committee	21.05.2026

Suggestions of SAC meeting:

1. To Promotion of short-duration rice varieties among farmers is recommended to cope with climatic variability.
2. Training support from KVK is requested for the implementation of the District NFSM Pulse Seed Production Programme.
3. To plan and promote new techniques for soil erosion control in rural areas of Lohardaga district.
4. To enhance milk production by identifying and promoting suitable forage crops for sustainable livestock feeding.
5. Promotion of fisheries training among interested farmers in collaboration with the Fisheries Department, Lohardaga, to encourage the adoption of scientific fish farming practices.

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-I	Rice – Wheat – Fallow	Red Gravel soil
2	AES-II	Maize – Potato – Cucurbits	sandy loam, red lateritic soil
3	AES-III	Rice – Wheat + Mustard – Fallow	course texture red lateritic soil
4	AES-IV	Rice, Maize, Pulses, Oilseed, Vegetable	Rainfed undulated deciduous forest area having sandy loam laterite soil

b) Land Characteristics

S.No	Agro-Ecological Situation (AES)	Topography	Drainage
1.	AES-I	Rainfed undulated plateau with hills & valleys	River Nandini
2.	AES-II	Rainfed upper plateau, temperate forest areas	River Nandini
3.	AES-III	Rainfed undulated deciduous forest area	River Koel
4.	AES-IV	Rainfed undulated partial forest area	River sankh

c) AES-wise major problems

S.No	Agro-Ecological Situation (AES)	Major problems	Rank
1.	AES-I	Low productivity in rice	4
2.	AES-II	Low profitability in Oilseed & Pulses	1
3.	AES-III	Low profitability in tomato due to soil acidity	2
4.	AES-IV	Limited irrigation facilities restrict agricultural growth and productivity	3

2.2. Area, Production and Productivity of major crops cultivated in the district (2025)

S. No	Crop	Area (Thousand ha)	Production (Thousand tonnes)	Productivity (Kg/ha)	Yield gap (q/ha) with respect to demo of last year	Yield gap (q/ha) with respect to potential yield
KHARIF						
1	Rice	38.644	99.698	2579.91	15.0	19.2
2	Maize	5.343	16.296	3050.00	7.9	24.5
3	Pigeon pea	4.568	4.796	1050.00	-	-
4	Groundnut	1.634	1.961	1200.00	4.5	23.0
5	Finger millet	1.040	0.416	400.00	12.8	24.5
RABI						
1	Rapeseed & Mustard	11.177	9.836	880.00	1.8	7.2
2	Gram	5.550	5.661	1020.00	-	-
3	Wheat	5.255	14.189	2700.00	-	-
4	Pea	2.592	2.566	990.00	-	-
5	Lentil	0.376	0.190	505.00	-	-
6	Maize	0.279	0.851	3050.00	-	-

Source: District Agriculture Department, Lohardaga

2.3. Weather data (2025-26)

Year	Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
2025	January	0	23.8	11.4	83	35
	February	1.7	27.9	14.8	78	24
	March	29.6	32.8	19.1	70	18
	April	13.9	37.8	23.8	60	12
	May	50.6	38.8	26.3	67	18
	June	550.6	36.1	26.9	82	38
	July	353.2	30.6	24.2	95	65
	August	424.7	29.8	23.5	96	72
	September	216.8	29.5	22.5	95	70
	October	90.6	28.0	18.7	90	52
	November	-	26.3	15.1	86	34
	December	-	23.5	11.6	85	36
Total		1731.7	364.9	237.9	987	474
2026	January	12	23.8	11.4	83	35
	February	14	27.9	14.8	78	24
	March	23	32.8	19.8	70	18
	April	19	37.8	23.8	60	12
	May	22	38.8	26.3	67	18
	June					
	July					
	August					
	September					
	October					
	November					
	December					
Total						

2.4 Production and productivity of livestock, Poultry, Fisheries etc. in the district (2025)

Category	Population	Production	Productivity	Productivity gap
Cattle				
Buffalo	16,765			
Sheep	2,282			
Goats	175,745			
Cattle	145,722			
Crossbred				
Indigenous				
Pigs	8,202			
Poultry				
Hens				
Desi				
Category		Production (q)	Productivity	
Fish (Reservoir)		7,000 metric tones		

*Statistical report

2.5 Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Existing yield (q/ha, number/year)	Major problem identified	Identified Thrust Areas
	Lohardaga	Bethad	Rice, Black gram Niger,			
		Jori	Rice, Maize, Groundnut			
		Banjar kisko				
		Ooana				
		Saheda				
	Bhandra					
	Kisko	Parepat				
		Kisko				
		Hondaga				
	Kuru	Chandlaso				
		Maradih				
		Henjla				
		Karak				
	Senha					
	Kairo					
	Peshrar					

2.6 Top five major priority thrust areas:

1. Promotion of commercial vegetable cultivation.
2. Resource Conservation Technologies for Water Management for higher production
3. Promotion of participatory seed production for self sufficiency in field crop
4. Diversification of traditional rice-based cropping system with appropriate cropping system based on Pulses and Oilseed.
5. Promotion of integrated pest and INM practices in field crop.
6. Pond based Integrated farming
7. Strengthening of FPOs through entrepreneurship development.
8. Value Addition of millets especially Ragi.

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	110	10	9	125

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
114	3090	52	1605

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
150	40000	0	1000

3 B. Abstract of interventions to be undertaken

S. No	Thrust Area	Crop/ Enterprise	Identified Problem	Interventions					Supply of seeds, planting materials etc.
				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	
1.	ICT in agriculture.	vegetable Production	Poor utilisation of agriculture information's by youth leads to low profit in vegetable cultivation.	Evaluation of utilization pattern of Information and communication Technology (ICT) tools by Young Vegetable Growers.	Demonstration of Finger millet var. BM-3	Use of mobile for agriculture information access.	Capacity building for ICT application.	Farmer Scientist interaction	

2.	Crop Diversification	Rice , Wheat, Maize, Potato, Vegetable Pea, Greengram	low profitability of existing cropping system	Diversification of Rice based cropping systems	Demonstration of Rice var. CR Dhan – 320.	1. Improved cultivation techniques of Rice Crops. 2. Nursery raising. 3. Soil & water management techniques for rice crop. 4. Weed control. 5. Pest and disease management. 6. Post harvest technique and storage.			
3.	Intercropping	Maize, Black gram, Groundnut, Sesame	low profitability of existing sole crop	Enhancing the farming income through inter-cropping with maize	Demonstration of maize var. BAUQMH - 05	1. Package and practices of Maize crops. 2. Processing and value addition in maize Crops. 3. Location specific drudgery reduction technology. 4. IFS for sustainable agriculture. 5. Vermicomposting 6. Food Processing in Maize.			

4	Integrated Pest Management	Tomato	Poor quality & Low yield of tomato	Assessment of bio-intensive management practices for major pest fruit in tomato.	1. Demonstration on wheat var. DBW187	1. Weed control in wheat crops. 2. Better cropping system for sustainable income. 3. Crop diversification – strategy for profitable agriculture. 4. Irrigation management in wheat crops. 5. Seed production & storage of Cereal Crops. 6. Nursery raising. 7. Seed production of Wheat crops.			
5	Pest Management	Bitter guard	Yield loss and low profitability.	Assessment of Integrated Management Practices for Fruit Fly in Bitter Gourd.	Demonstration of Quality Kusumi Lac production in Kusum tree.	1. Package and practices in Kusumi Lac. 2. Pest and disease management of lac cultivation. 3. Market linkage.			
6					Demonstration of oyster mushroom (Pleurotus florida) production for nutritional security.	Production technique of mushrooms 2. Disease and Pest management 3. Value addition in Mushroom.			

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	1									
Seed / Plant production										
Weed Management	1									
Integrated Crop Management					2					
Integrated Nutrient Management					1					
Integrated Farming System	1									
Mushroom cultivation										2
Drudgery reduction					2					
Farm machineries					2					
Value addition	2									
Integrated Pest Management										
Integrated Disease Management				1						
Resource conservation technology				1						
Small Scale income generating enterprises	1									
TOTAL	6			6	7					2

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								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises		2			2	2	2	8
TOTAL								

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

1.

	Title	Evaluation of utilization pattern of Information and communication Technology(ICT) tools by Young Vegetable Growers
1	Problem diagnosed/addressed	Poor utilisation of agriculture information's by youth leads to low profit in vegetable cultivation.
2	Major Causes of the problem	Utilization of web based information at individual level and at collective level is limited.
3	Production system	Small production system.
4	Thematic area	ICT in agriculture
5	Method	❖ One block (random) ❖ two village (purposive selection) ❖ 25 respondents in each village –random selection ❖ FGDS, structured Schedule , Observations , literature studies
6	Design	descriptive exploratory , co relational
7	Performance indicator to be recorded	Utilization pattern of information Information seeking behaviour of respondents Constraints in the use of Information and communication Technology(ICT) tools
8	No of respondents	50
9	Analysis	Statistical analysis as needed (Percentages and average scores, multiple regression analysis)

2.

Crop	Wheat
Season	Rabi
Main problem	Low yield of Wheat due to high infestation of broad leaf weed
Main cause	Lower return and high risk of crop loss from weed infestation
Title of OFT	To assess the performance of herbicide to control the Broad leaf weeds in late sown Wheat.
Farming situation	Irrigated sandy loam medium land, season: Rabi, previous crop: Rice
Thematic area	Weed management
Farmer practice	T1: Farmers Practice:- No use of herbicides
Technology option selected for assessment	T2: 2,4-D Ethyl ester 0.5 L/ha @ 0.5 ml a.i./ha Post emergence (25-30 DAS) T3: Carfentrazone @ 20g a.i./ha Post emergence (25-30 DAS)
Source of technology	BAU Ranchi
No of trial	10
Detail of critical input	2 4-D Ethyl ester, Carfentrazone
Cost of individual critical input	Rs. 1500/- per Trial
Total cost of critical input	Rs. 15000/ha
Performance indicator to be recorded	(i) Technical indicator (No. of weeds /m ² at different stages, Effective tillers, 1000 grain weight(g), Weed dry weight (g/m ²) at harvest, grain and straw Yield (q/ha),) (ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (iii) Initial and after harvest soil data pH, OC, N,P and K Farmer perception

3.

Crop	Maize, Black gram, Groundnut, Soybean
Season	Kharif
Main problem	low profitability of existing sole crop
Main cause	Mono crop in practice
Title of OFT	Enhancing the farming income through inter-cropping with maize
Farming situation	Soil type – Sandy loam, land type – Upland, irrigation type – Rainfed, Season – Kharif, and previous crop - Fallow
Thematic area	Intercropping
Farmer practice	FP - Maize Sole var. K-25 (40x20 cm)
Technology option selected for assessment	- T1 - Maize, var. BAUQMH -07 (75x25 cm) + Black gram var. Pant Urd-10 (1:2) (30x10 cm.) - T2 - Maize, var. BAUQMH -07 (75x25 cm) + Groundnut var. K 1812 (1:2) (30x10cm) - T3 - Maize var. BAUQMH -07 (75x25 cm) + Soybean var Birsafed Soybean 4 (1:1) (45x 8 cm.)
Source of technology	BAU, Ranchi
No of trial	10
Detail of critical input	Seed
Cost of individual critical input	Maize- Rs 2000/-
Total cost of critical input	Rs.20000 /ha
Performance indicator to be recorded	yield (q/ha), Maize equivalent yield (q/ha), Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (iii)Farmer perception

4.

Crop/Enterprises	Tomato
Season	Kharif
Main problem	Poor quality & Low yield of tomato.
Main cause	Pest infestation
Title of OFT	Assessment of bio –intensive management practices for major pest fruit borer in tomato.
Farming situation	Soil type: Sandy loam, land type: Midland, irrigation type: furrow, season: Kharif, previous crop : Ragi.
Thematic area	Integrated Pest Management
Farmer practice	TO1: Use of Chemical pesticides Imidacloprid @1g/lit. of water at 60 DAT
Technology option selected for assessment	- TO2: Seed treatment by <i>P. fluorescens</i> @ 5g /kg, Nursery bed treatment by <i>P.fluorescens</i> @ 20g/M2, Soil application <i>P.fluorescens</i>@ 5kg/ha .and mixed with 500kg vermicompost/ha at 30 days after transplanting. , Spray of HaNPV @250 LE/ha starting from flowering stage and second spray of Emamectin benzoate 1.9 % EC @1.5 ml /l of water 15 days after interval. - TO3: Seed treatment by <i>Trichoderma viride</i> @ 5g/kg, Nursery bed treatment by <i>Trichoderma viride</i>@ 50g/m2,Soil application <i>Trichoderma viride</i>@ 5kg/ha and mixed with 500kg vermicompost/ha at 30 days after transplanting., Spray of HaNPV @250 LE/ha starting from flowering stage and second spray of spinosad 2.5 % SC @ 1.5 ml /l of water 15 days after interval.
Source of technology	BAU Sabour
No of trial	10 (0.2ha each)
Detail of critical input	<i>Trichoderma viride</i> , <i>P.fluorescens</i> , vermin compost, spinosad , HaNPV, Emamectin benzoate
Cost of individual critical input	1000.00
Total cost of critical input	Rs. 10000.00
Performance indicator to be recorded	(i) Technical indicator :% of wilt plants in nursery, % of wilt plants, % of fruit damage through borer, (ii) Economic indicator (Cost of cultivation, Gross return, Net return, B: C ratio), Yield q/ha. (iii) Farmers' perception

5.

Crop	Bitter guard
Season	Summer
Main problem	Yield loss
Main cause	Yield loss due to severe attack of fruit fly in Bitter guard.
Title of OFT	Assessment of Integrated Management Practices for Fruit Fly in Bitter Gourd.
Farming situation	Soil type: Sandy loam, land type: Medium, irrigation type: furrow, season: -Summer, previous crop: Rice.
Thematic area	Pest Management
Farmer practice	TO1: Spray of dimthoate@2ml/l of water after pest infestation.
Technology option selected for assessment	- TO2: Mixed ethyl alcohol-60 ml + Cue lure (P-Acetoxyl butanone-2) -40 ml +Spinosad-20 ml (i.e. 6:4:2)@10 traps/acre at the time of fruit set. - TO3: Bait application Technique (BAT) spray of insecticides Spinosad 2.5 % SC @ 1.5 ml/l and 10 % Jaggery Bait, Spray of 20 spots in the field.
Source of technology	IIVR, Varanasi, UP.
No of trial	10 (0.1 ha each)
Detail of critical input	Ethyl alcohol, Cue lure, Spinosad, Jaggery etc.
Cost of individual critical input	1000.00
Total cost of critical input	Rs. 10000.00
Performance indicator to be recorded	(i) Technical indicator (% of fruit infestation, No of Fruit fly in trap, (ii) Economic indicator : Yield Q/ha (Cost of cultivation, Gross return, Net return, B:C ratio) (iii) Farmer perception

6.

Crop	Potato
Season	Rabi
Main problem	Reduce quality and productivity of potato due to poor water management.
Main cause	1. Poor water holding capacity of soil 2. Sloppy land situation increase the speed of runoff resulting moisture retention capacity of the soil reduces.
Title of OFT	Assessment of different drip irrigation system with plastic mulching to increase water productivity in Rabi Season tomato.
Farming situation	Sandy loam, Medium land (Don-II), Irrigated, Previous crop-Chilli
Thematic area	Water management
Farmer practice	T1- Furrow irrigation
Technology option selected for assessment	- T2 – Single row crop with single lateral line (Bed Size – 3½n fit) - T3 – Double row crop (Tomato) with single lateral line. (PP 60cm and RR 40cm)
Source of technology	IARI, New Delhi
No of trial	10
Detail of critical input	seed & Plastic mulching
Cost of individual critical input	1000/-
Total cost of critical input	10,000/-
Performance indicator to be recorded	(i) Technical indicator – No of irrigation, Total quantity of water (cum), Average weight of fruit (g), Yield (q/ha) (ii) Economic indicator (Cost of cultivation, Gross return, Net return, 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	Finger millet	Crop production	Use variety B.M-3, Time of nursery bed raising Mid June + seed rate @ 10 kg/ha + seed treatment carbendazim with 2 gm/kg of seed + spacing row to row 30 cm and plant to plant 10 cm + transplanting of seedling + weed control 1 st 20-25 DAT & 2 nd 35-40 DAT+ 40 kg urea at top dressing after 1 st weeding.	Seed + Carbendazim	Kharif 2026	02	15	(I) Economic indicator – Cost of cultivation (Rs./ha), Gross return (Rs./ha), Net Return (Rs./ha) and B:C ratio
2.	Rice	Crop production	Use variety CR- Dhan 320, nursery Management + seed rate @ 40 kg/ha + seed treatment carbendazim with 2 gm/kg of seed + spacing row to row 20 cm and plant to plant 10 cm	Seed + Carbendazim	Kharif 2026	02	05	(I) Economic indicator – Cost of cultivation (Rs./ha), Gross return (Rs./ha), Net Return (Rs./ha) and B:C ratio
3.	Maize	Crop production	Use variety BAUQMH -05, Timely sowing Mid October to mid November	Seed + Carbendazim	Rabi & 2026	02	05	(I) Economic indicator – Cost of cultivation (Rs./ha), Gross return (Rs./ha), Net

			+ seed rate @ 20 kg/ha + seed treatment carbendazim with 2 gm/kg of seed + spacing row to row 60 cm and plant to plant 20 cm					Return (Rs./ha) and B:C ratio
4.	wheat	Crop production	Use variety DBW-187, Timely sowing mid October to mid November + seed rate @ 125 kg/ha + seed treatment carbendazim with 2 gm/kg of seed + spacing row to row 20 cm and plant to plant 10 cm	Seed + Carbendazim	Rabi & 2026	02	10	(I) Economic indicator – Cost of cultivation (Rs./ha), Gross return (Rs./ha), Net Return (Rs./ha) and B:C ratio
5.	Kusum	Quality lac production	1st spray of Fipronil (1.5 ml/lit.) @ 30 days after inoculation of brood lac 2 nd and 3 rd sprays of indoxacarb (0.5 ml/lit.) @ 60 and 90 days after inoculation, respectively Need based spray of fungicide hexaconazole @ 0.5 ml/ lit. Quality brood lac inoculation	Brood lac + Pesticides	Kharif & 2026	50 (Tree))	25	I. Avg.yield (kg/Plant) ii. Economic indicator- Cost of cultivation, Gross return, Net return, B:C ratio
6.	Mushroom	Mushroom production	Oyster Mushroom Spawning on paddy straw substrate in bag size of 2 feet X 1.5 feet (August to January), Sterilization of substrate material with bavistin and formalin	Spawn, Bag, fungicide	Rabi 2026	25 units	25	(I) Yield (kg/Bag) (II) Economic indicator- Cost of cultivation, Gross return, Net return, B:C ratio
7.	Nutri-Garden	Kitchen Gardening	Proper layout with Annual crop calendar	seeds	Kharif– Winter, 2026	200 sq.mX 10	10	Technical indicator- Proper Layout of Nutri garden , Fruits Vegetables available per season Economic indicator – Cost of Vegetables/family/year from market vs nutri garden
8.	Leafy vegetable	Vegetable production	Leafy Vegetable production in Portable planting bags	Seeds & bags	Kharif – Winter, 2026-27	3 bags (Rectangle 2x1.5 feet)	20	(I) Technical indicator- intake of vegetables in terms of calory (II) Economic indicator – economics of Leafy Vegetables

9	Vegetables	Vertical Gardening	Vegetable fruit and flower production in Portable planting bags/garden kit	Seeds, bag	Kharif– Winte,26	3 bags (One Recta ngle 4x1.5 feet, One Circul ar, One Plantin g bag)	20	(I) Technical indicator- Yield (II) Economic indicator – B:C ratio
10	Vegetable	Precision farming	Use of mulch for commercial tomato cultivation	Mulching polythene	kharif			Water use efficiency, B:C, Quality parameter
11	Low cost poly-house for vegetable seedling production	Raising of healthy planting material	Low cost house/tunnel	Poly Polythene and other raw material	Kharif – Winter, 2025-26	20mX 10m	10	Technical indicator- 100 % viability of seeds and protected healthy seedlings Economic indicator – Cost of seedling in market and self produced, BC ration of early crops Farmer Feedback- Accepting attitude of Technology
12.	Foot yam	Resource conservation	Intercropping of Foot Yam in in old orchard of mango/banana.	Planting material of foot yam	Kharif 2026	RR- 45x45 cm		(i) Economic indicator: yield of foot yam, B:C (ii) Farmer Feedback--
				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	Farmers Training	11		
2	Field days	12		
3	Media coverage	25		
4	Training for extension functionaries	2		

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
Battery operated Sprayer	Field crop					
Navin Dibbler	maize					
Paddy drum seeder	rice					
Sugarcane stripper	sugarcane					
Cook stove						

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / Indicators
Piggery	Jharsuk	50			
Fishery	multicarp	20			

1.**Details of all FLD in the given format**

Title of FLD	Demonstration of Finger millet var. BM-3		
Season & Year	Kharif & 2026		
Main Problem	Low productivity of finger millets		
Main cause of problem	Low yield of finger millet due to use of traditional practices.		
Full detail of farmer's Practice	Old Variety – Thopa kode , more seed rate (17 kg/ha) and poor agronomical practices		
Name of the Technology	Variety and agronomical practices.		
Full detail of technology to be demonstrated	Use variety B.M-3, Time of nursery bed raising Mid June + seed rate @ 10 kg/ha + seed treatment carbendazime with 2 gm/kg of seed + spacing row to row 30 cm and plant to plant 10 cm + transplanting of seedling + weed control 1 st 20-25 DAT & 2 nd 35-40 DAT + 40 kg urea at top dressing after 1 st weeding.		
Thematic area	Crop production		
Source of Technology with year	BAU, Ranchi (Year -2021)		
Name of villages	Lohardaga – Banjar kisko, Rampur		
Farming situation	Rainfed upland , sandy loam		
Area (ha)/Unit (No.)	02	No of farmers	15
Performance indicator	(I) Economic indicator – Cost of cultivation (Rs./ha), Gross return (Rs./ha), Net Return (Rs./ha) and B:C ratio (II) Farmer Feedback		

2.**Details of all FLD in the given format**

Title of FLD	Demonstration on Rice var. CR Dhan – 320.		
Season & Year	Kharif & 2026		
Main Problem	Low productivity of Rice		
Main cause of problem	Low yield of Rice due to use of old in descript variety		
Full detail of farmer's Practice	Old Variety – Lalat, use more seed rate (80 kg/ha) and poor agronomical practices		
Name of the Technology	Variety and agronomical practices.		
Full detail of technology to be demonstrated	Use variety CR- Dhan 320, nursery Management + seed rate @ 40 kg/ha + seed treatment carbendazime with 2 gm/kg of seed + spacing row to row 20 cm and plant to plant 10 cm.		
Thematic area	Crop production		
Source of Technology with year	BAU, Ranchi (Year-2021).		
Name of villages	Janwal and Banjar Kisko		
Farming situation	Medium land.		
Area (ha)/Unit (No.)	02	No of farmers	05
Performance indicator	(I) Economic indicator – Cost of cultivation (Rs./ha), Gross return (Rs./ha), Net Return (Rs./ha) and B:C ratio (II) Farmer Feedback		

3.

Details of all FLD in the given format

Title of FLD	Demonstration on maize var. BAUQMH – 05		
Season & Year	Rabi & 2026		
Main Problem	Low productivity of Maize		
Main cause of problem	Low yield of Maize due to use of old variety.		
Full detail of farmer's Practice	Old Variety – K-25, more seed rate (30 kg/ha) and poor agronomical practices		
Name of the Technology	Variety and agronomical practices.		
Full detail of technology to be demonstrated	Use variety BAUQMH -05, Timely sowing Mid October to mid November + seed rate @ 20 kg/ha + seed treatment carbendazime with 2 gm/kg of seed + spacing row to row 60 cm and plant to plant 20 cm		
Thematic area	Crop production		
Source of Technology with year	BAU, Ranchi		
Name of villages	Janwal and Banjar Kisko		
Farming situation	Medium land.		
Area (ha)/Unit (No.)	02	No of farmers	05
Performance indicator	(I) Economic indicator – Cost of cultivation (Rs./ha), Gross return (Rs./ha), Net Return (Rs./ha) and B:C ratio (II) Farmer Feedback		

4.

Title of FLD	Demonstration on maize var. BAUQMH - 05		
Season & Year	Rabi & 2026		
Main Problem	Low productivity of Maize		
Main cause of problem	Low yield of Maize due to use of old variety.		
Full detail of farmer's Practice	Old Variety – K-25, more seed rate (30 kg/ha) and poor agronomical practices		
Name of the Technology	Variety and agronomical practices.		
Full detail of technology to be demonstrated	Use variety BAUQMH -05, Timely sowing Mid October to mid November + seed rate @ 20 kg/ha + seed treatment carbendazime with 2 gm/kg of seed + spacing row to row 60 cm and plant to plant 20 cm		
Thematic area	Crop production		
Source of Technology with year	BAU, Ranchi		
Name of villages	Janwal and Banjar Kisko		
Farming situation	Medium land.		
Area (ha)/Unit (No.)	05	No of farmers	15
Performance indicator	(I) Economic indicator – Cost of cultivation (Rs./ha), Gross return (Rs./ha), Net Return (Rs./ha) and B:C ratio (II) Farmer Feedback		

5.

Title of FLD	Demonstration on wheat var. DBW187		
Season & Year	Rabi & 2026		
Main Problem	Low productivity of wheat		
Main cause of problem	Low yield of Wheat due to use of old variety		
Full detail of farmer's Practice	Old Variety, more seed rate, and poor agronomical practices.		
Name of the Technology	Variety and agronomical practices.		
Full detail of technology to be demonstrated	Use variety DBW187, Timely sowing mid October to mid November + seed rate @ 125 kg/ha + seed treatment carbendazime with 2 gm/kg of seed + spacing row to row 20 cm and plant to plant 10 cm		
Thematic area	Crop production		
Source of Technology with year	ICAR-IIWBR, & BAU Ranchi		
Name of villages	Senha & Bhandra.		
Farming situation	Medium land.		
Area (ha)/Unit (No.)	02	No of farmers	10
Performance indicator	(I) Economic indicator – Cost of cultivation (Rs./ha), Gross return (Rs./ha), Net Return (Rs./ha) and B:C ratio (II) Farmer Feedback		

6.

Title of FLD	Demonstration of Quality Kusumi Lac production in Kusum tree.		
Season & Year	Winter 2026.		
Main Problem	Low productivity of lac.		
Main cause of problem	High incidence of black, white moth and green lacewings insect		
Full detail of farmer's Practice	No use of plant protection measures to control disease and pest.		
Name of the Technology	Mushroom production .		
Full detail of technology to be demonstrated	1st spray of Fipronil (1.5 ml/lit.) @ 30 days after inoculation of brood lac 2nd and 3rd sprays of indoxacarb (0.5 ml/lit.) @ 60 and 90 days after inoculation, respectively - Need based spray of fungicide hexaconazole @ 0.5 ml/ lit. - Quality brood lac inoculation		
Thematic area	Quality lac production		
Source of Technology with year	ICAR- NISA, Ranchi , Jharkhand		
Name of villages	Peshrar & Senha.		
Farming situation	Rainfed farming and Lac production based IFS.		
Area (ha)/Unit (No.)	50 Plants	No of farmers	25
Performance indicator	(I) Avg.yield (kg/Plant) (II) Economic indicator- Cost of cultivation, Gross return, Net return, B:C ratio (III) Farmer Feedback		

7.

Title of FLD	Demonstration of oyster mushroom (<i>Pleurotus florida</i>) production for nutritional security.		
Season & Year	Throughout the year 2026		
Main Problem	Low production		
Main cause of problem	No proper disease and pest management		
Full detail of farmer's Practice	No adoption of proper care and management practice		
Name of the Technology	Oyster production Technology		
Full detail of technology to be demonstrated	Oyster Mushroom Spawning on paddy straw substrate in bag size of 2 feet X 1.5 feet (August to January), Sterilization of substrate material with bavistin and formalin		
Thematic area	Mushroom production		
Source of Technology with year	BAU-Ranchi 2020		
Name of villages	Senha, Bhandra		
Farming situation	Rain fed upland		
Area (ha)/Unit (No.)	25 units	No of farmers	25
Performance indicator	(I) Yield (kg/Bag) (II) Economic indicator- Cost of cultivation, Gross return, Net return, B:C ratio (III) Farmer Feedback		

8.

Title of FLD	(Demonstration of Nutritional Garden for Improving Household Nutritional Security")		
Season & Year	Kharif–Winter, 2025-26		
Main Problem	No properly out of Kitchen garden with genuine crop calendar		
Main cause of problem	Unawareness		
Full detail of farmer's Practice	No proper direction of Kitchen garden and no crop calendar for a particular bed		
Name of the Technology	Proper layout with Annual crop calendar (200m ² crop: papaya and lime on bund, radish, spinach, carrot, lalsag, tomato, cauliflower, coriander, bitter gourd, sponge gourd)		
Full detail of technology to be demonstrated	BAU, Ranchi		
Thematic area	Nutri-Garden		
Source of Technology with year	Kitchen Gardening		
Name of villages	Lohardaga and Kisko		
Farming situation	Irrigated & Rainfed		
Area (ha)/Unit (No.)	200 sq m X 10	No of farmers	10
Performance indicator	1. Technical indicator-availability of Fruits Vegetables available. 2. Economic indicator–Cost of Vegetables/family/year from market vs nutri-garden 3. Farmer Feedback on adoption of Technology-		

9.

Title of FLD	Intercropping of Foot Yam in old orchard of mango/banana.		
Season & Year	Kharif 2026		
Main Problem	Low profitability of upland area		
Main cause of problem	Interspaced of orchard was under utilized		
Full detail of farmer's Practice	No taking agril. Crop in old traditional orchard.		
Name of the Technology	Multi tiered cropping		
Full detail of technology to be demonstrated	Elephant Foot Yam: 45cm x 90cm		
Thematic area	NRM		
Source of Technology with year	BAU-Ranchi, 2016		
Name of villages	bhandara		
Farming situation	Rainfed upland		
Area (ha)/Unit (No.)	2 ha	No of farmers	8
Performance indicator	(ii) Economic indicator: yield of foot yam, B:C (ii) Farmer Feedback--		

Note: Each FLD detail should be given in the format:

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	Weed control in Kharif and rabi crops	10	05	15	10	05	15	30
Resource Conservation Technologies								
Cropping Systems	Better cropping system for sustainable income	10	05	15	10	05	15	30
Crop Diversification	Crop diversification – strategy for profitable agriculture	10	05	15	10	05	15	30
Site specific nutrient management	Soil Health Management of Kharif & Rabi Crops	10	05	15	10	05	15	30
Integrated Farming								
Water management	Irrigation management in rabi crops.	10	05	15	10	05	15	30
Seed production	Seed production & storage of Cereal & Pulse crops	10	05	15	10	05	15	30
Nursery management	Nursery raising for SRI	10	05	15	10	05	15	30
Integrated Crop Management								
Fodder production								
Production of organic inputs								
Natural farming	Importance of Natural Farming	10	05	15	10	05	15	30
II Horticulture								
a) Vegetable Crops								

Production of low volume and high value crops	Improved cultivation techniques of Kharif vegetables Improved cultivation techniques for Rabi vegetables Improved cultivation techniques for summer vegetables	5	10	15	5	10	15	30
Off-season vegetables	Off season cultivation of cucurbitaceous crop	5	10	15	5	10	15	30
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
Natural farming								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit	IPM in Fruit crops	5	10	15	5	10	15	30
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards	Irrigation through Drip irrigation in Orchard	5	12	17	5	8	13	30
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology	Improved Cultivation practices for turmeric & Ginger							
Processing and value addition	Improved method of cultivation of Kharif onion & Potato							
f) Spices								
Production and Management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation	Soil & water management techniques for Horticultural crops	10	05	15	10	05	15	30

Integrated Nutrient Management	INM in Oilseed crops	10	05	15	10	05	15	30
Production and use of organic inputs	Use of Rhizobium culture in pulse crops	10	05	15	10	05	15	30
Management of Problematic soils	Reclamation of acidic soil	10	05	15	10	05	15	30
Micro nutrient deficiency in crops								
Nutrient Use Efficiency	Balance use of fertilizers	10	08	18	7	5	12	30
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management								
Feed management								
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	House hold food security by kitchen and nutritional gardening							
Design and development of low/minimum cost diet	Designing and development of low minimum cost diet							
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques	Preservation of seasonal fruit & vegetables	0	20	20	0	20	20	40
Value addition	Processing and value addition of milk and meat							
Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies	Location specific drudgery reduction technology	0	20	20	0	20	20	40
Rural Crafts								
Women and child care								
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices	Use of Plastics in agriculture.	10	5	15	9	6	15	30
Production of small tools and implements	Production of small tools and implements	8	7	15	10	5	15	30
Repair and maintenance of farm machinery and implements	Repair and maintenance of Pumping sets.	8	7	15	9	6	15	30
Small scale processing and value addition								
Post Harvest Technology	Post Harvest Technology in tomato	8	7	15	10	5	15	30
VII Plant Protection								
Integrated Pest Management	Integrated Disease and Pest Management in Vegetable.	9	6	15	8	7	15	30
Integrated Disease Management	Integrated Disease and Pest Management in Cereals.	8	7	15	9	6	15	30
Bio-control of pests and diseases	Pest management through Bio-control.	9	6	15	7	8	15	30
Production of bio control agents and bio pesticides	Preparation of pesticides through locally available material.	8	7	15	11	4	15	30

VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production	Participatory Quality Seed Production by Farmers.	9	6	15	8	7	15	30
Planting material production	Nursery and Planting Material Production Technology	7	8	15	9	6	15	30
Bio-agents production								
Bio-pesticides production	Use of Biopesticides in vegetables	10	5	15	7	3	10	25
Bio-fertilizer production								
Vermi-compost production	Use of vermi composting	5	8	13	7	5	12	25
Organic manures production	Organic Farming for sustainable Horticulture crop production	10	10	20	10	10	20	40
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								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs/FPOs etc	Formation and Management of SHGs/FPOs in lohardaga.	10	8	18	7	5	12	30
Mobilization of social capital								
Entrepreneurial development of farmers/youths	Role of Entrepreneurial development of at farmers & youths levels	8	7	15	10	5	15	30
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management	Nursery management in vegetables and fruit crops.	10	5	15	7	8	15	30
Integrated Farming Systems	Integrated Farming Systems	10	5	15	4	11	15	30
XII Others (Pl. Specify)								
TOTAL		257	224	481	252	217	469	950
(B) RURAL YOUTH								
Mushroom Production	Mushroom production	10	5	15	10	5	15	30
Bee-keeping								
Integrated farming	IFS for sustainable agriculture.	10	5	15	10	5	15	30
Seed production	Seed production of Paddy	10	5	15	10	5	15	30
Production of organic inputs								
Integrated Farming (Medicinal)								

Planting material production								
Vermi-culture	Vermi- composting	10	5	15	10	5	15	30
Sericulture								
Protected cultivation of vegetable crops	Green house & low cost cultivation techniques for Horticultural crops	10	5	15	10	5	15	30
Commercial fruit production	Plant propagation techniques for guava crop	10	5	15	10	5	15	30
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops	Growing of vegetables under polythene & net house	10	5	15	10	5	15	30
Training and pruning of orchards								
Value addition	Food Processing in millets grains	10	5	15	10	5	15	30
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								
Tailoring and Stitching								
Rural Crafts								
TOTAL		80	40	120	80	40	120	240
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management	Integrated Pest Management in Rabi crops	5	10	15	12	3	15	30
Integrated Nutrient management	Integrated Nutrient management	10	5	15	11	4	15	30
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs	Formation and Management of SHGs	7	8	15	10	5	15	30
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application	Capacity building for ICT application	11	4	15	9	6	15	30
Care and maintenance of farm machinery and implements	Awareness Programme on Care and Maintenance of Agricultural Implements.	8	7	15	10	5	15	30
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								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)	Refresher training for BTMs and ATMS.	6	9	15	8	7	15	30
TOTAL		47	43	90	60	30	90	180
G. Total		384	307	691	392	287	679	1370

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	02	05	20	35	20	10	30	65
Resource Conservation Technologies	01	10	5	15	5	10	15	30
Cropping Systems								
Crop Diversification	02	15	20	35	20	10	30	65
Integrated Farming								
Water management	1	10	5	15	10	5	15	30
Seed production	03	10	25	35	20	25	45	80
Nursery management	01	10	5	15	5	10	15	30
Integrated Crop Management								
Fodder production	02	15	20	35	20	10	30	65
Production of organic inputs								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables	02	20	5	25	15	10	25	50
Nursery raising	02	10	20	30	20	10	30	60
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	01	10	5	15	5	10	15	30
b) Fruits								
Training and Pruning								
Layout and Management of Orchards	02	10	20	30	20	10	30	60
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards	01	10	5	15	5	10	15	30
Export potential fruits								
Micro irrigation systems of orchards	01	10	5	15	5	10	15	30
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								

Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology	02	20	5	25	15	10	25	50
Processing and value addition								
f) Spices								
Production and Management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management	01	10	5	15	5	10	15	30
Soil and Water Conservation	02	20	5	25	15	10	25	50
Integrated Nutrient Management	01	10	5	15	5	10	15	30
Production and use of organic inputs								
Management of Problematic soils	01	10	5	15	5	10	15	30
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management /goat								
Disease Management								
Feed management								
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening								
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition								
Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care								
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	02	20	5	25	15	10	25	50
Use of Plastics in farming practices	01	10	5	15	5	10	15	30
Production of small tools and implements	02	20	5	25	15	10	25	50
Repair and maintenance of farm machinery and implements	01	10	5	15	5	10	15	30
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								

Integrated Pest Management	02	15	10	25	15	10	25	50
Integrated Disease Management	02	20	5	25	15	10	25	50
Bio-control of pests and diseases	01	10	5	15	5	10	15	30
Production of bio control agents and bio pesticides	01	10	5	15	5	10	15	30
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production (Horti.)								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production (Horti.)								
Organic manures production (A.S.)								
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								
X Capacity Building and Group Dynamics								
Leadership development	01	10	5	15	5	10	15	30
Group dynamics								
Formation and Management of SHGs(HS)	01	10	5	15	5	10	15	30
Mobilization of social capital	02	20	5	25	15	10	25	50
Entrepreneurial development of farmers/youths (Agro)	01	10	5	15	5	10	15	30
WTO and IPR issues	01	10	5	15	5	10	15	30
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems (Agro)								
XII Others (Pl. Specify)								
TOTAL	46	390	255	655	330	320	650	1305

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management								
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management								
Fodder production								
Production of organic inputs								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								
Production and Management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Planting material production								
Vermi-culture								

Sericulture									
Protected cultivation of vegetable crops									
Commercial fruit production									
Repair and maintenance of farm machinery and implements									
Nursery Management of Horticulture crops									
Training and pruning of orchards									
Value addition									
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									
Tailoring and Stitching									
Rural Crafts									
TOTAL									
(C) Extension Personnel									
Productivity enhancement in field crops									
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									
Production and use of organic inputs									
Gender mainstreaming through SHGs									
Any other (Pl. Specify)									
TOTAL									
G. Total									
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									

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								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
Total								
G. TOTAL								

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	150	350	500	15	05	20	165	355	520
Kisan Mela	1	250	150	400	20	8	28	270	158	428
Kisan Ghosthi	6	130	150	280	15	5	20	145	170	315
Exhibition	1	25	15	40	03	02	05	28	17	45
Film Show	02	50	20	70	10	05	15	60	25	85
Farmers Seminar										
Workshop										
Group meetings	4	75	25	100	25	5	30	100	30	130
Lectures delivered as resource persons										
Newspaper coverage	45	150	50	200	40	60	100	190	100	290
Radio talks	04	75	25	100	20	10	30	95	35	130
TV talks	02	100	150	250	50	40	90	150	190	240
Popular articles	05	75	25	100	50	40	90	125	65	190
Extension Literature	20									
Advisory Services	20	200	100	300	50	50	100	250	150	400
Scientific visit to farmers field	40	75	25	100	50	25	75	125	50	175
Farmers visit to KVK	520	150	350	500	15	05	20	165	355	520
Diagnostic visits	50	20	30	50	20	10	30	70	40	110
Exposure visits										
Ex-trainees Sammelan										
Soil health Camp	1	10	50	60	25	35	60	45	85	130
Animal Health Camp										50
Agri mobile clinic										
Soil test campaigns	1	10	50	60	25	35	60	45	85	130
Farm Science Club Conveners meet										
Self Help Group Conveners meetings	1	10	50	60	25	35	60	45	85	130
Mahila Mandals Conveners meetings	1	25	15	40	03	02	05	28	17	45
Celebration of important days (specify)	8	250	150	400	20	8	28	270	158	428
Krishi Mohostva										
Krishi Rath										
50Pre Kharif workshop										
Pre Rabi workshop										
PPVFRA workshop	1	10	50	60	25	35	60	45	85	130
Any Other (Specify)										

Total	743	1840	1830	3670	506	420	926	2416	2255	4621
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3.5 Target for Production and supply of Technological products

A) SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Rice	CR Dhan 320	100
	Rice	Sahbhagi Dhan	50
	Wheat	DBW 187	30
OILSEEDS	Mustard	BBM 1	15
PULSES	Pigeon Pea	Birsa Arhar	5
VEGETABLES			
OTHERS (Specify)			

B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Mango	Amrapali	500
SPICES			
VEGETABLES	Tomato	-	10000
	Chilli	-	10000
	Brinjal	-	10000
	Tomato	-	10000
FOREST SPECIES			
ORNAMENTAL CROPS			
		Total	40500

C) BIO-PRODUCT

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1				
2				

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 : January 2026

Number of copies to be published : 5000

(B) Literature to be developed/published

S.No.	Topic	Number
1	Research paper each scientist	2
2	Technical reports	4
3	News letters	20
4	Training manual all discipline	4
5	Popular article	10
6	Extension literature	12
	Total	52

(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	1	Whatsapp group	5
2	1	Face book	1

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) direct observation
- b) farm visit
- c) diagnostic visit

Rural Youth

- a) task analysis
- b) FGD
- c) **skill assessment**
- d) questionnaire

In-service personnel

- a) training need index
- 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) -
- ii. No. of farm families selected per village:
- iii. No. of PRA conducted:
- iv. No. of technologies taken to the adopted villages
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- 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 :

2. List of equipment's purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1			

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	820	820	50	102500.00
Water				
Plant				
Total				

4.0 LINKAGES

4.1 Functional linkage with different organizations/department

Sl.No.	Name of organization	Nature of Linkage	Outcome of linkage
1.	District Administration	For infrastructure support	One millet unit will be started with the hel of Distt. support
2.		For Project based on agripreneurship	One project on hitech horticulture nursery accepted
3.			
4.			
5.			

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			
2			

5. Utilization of Hostel facilities: Not Functional

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										
	PF/FW										
	PF/FW										
	PF/FW										
Horticulture											
	PF/FW	Mali training	25	10	5	15	5	5	10	25	septm
	PF/FW										
	PF/FW										
	PF/FW										
Livestock prod.											
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
Agril. Engg.											
	PF/FW										
	PF/FW										
	PF/FW										
Home Sc.											
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										

Plan prot.											
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
Fisheries											
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
Soil Health											
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										

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											

[illegible]

iii) Training programme for extension functionaries

[illegible]

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 programme											
				Total							
b) Sponsored research programme											
				Total							
c) Any special programmes											
				Total							

Sd/- Kiran Singh
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