ACTION PLAN PROFORMA FOR THE KVKs.

(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
	Office	FAX		
Krishi Vigyan Kendra,Giridih, TopaiyaFarm ,Bengabad, Giridih-815312	06532203568		kvkgiridih@gmail.com	

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

Address	Telephone		E mail	Website
	Office	FAX		
Vice Chancellor, Birsa Agricultural University, Ranchi	0651-2450500	0651-2450850	vcbau@rediffmail.com vc@bauranchi.org	

1.2.b. Status of KVK website : Yes/No; Date when the website last updated:

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

1.2.d Status of ICT lab at your KVK :

a) No. of PC units : One

b) No. of Printers : Two

c) Internet connection : Yes/NoYes(Jio- Fiber)

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Sunita Kandeyang		7759985086	kvkgiridih@gmail.com

1.4. Year of sanction: ICAR Letter No 18-28/1996-A-E-I dated - 22, June 2004

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

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Scale (Rs	Grade Pay	basic	Date of joining	nent /Temp	(SC /ST/ OB	Mobile No.	Email id	Please attach recent pho
1	Senior Scientist& Head	**Dr. Sunita Kandeyang**	I/C Sr, Scientist & Head	**Horticulture**	**15600-39100**	**7000**	**117200**	**19.07.2004**	**Permanent**	**ST**	7759985086	sunitakandeyang13@gmail.com	

2	Subject Matter Specialist	Engg. Pramod Kumar	Scientist	Engg. Agriculture	15600-39100	7000	110500		Permanent	SC	9304183129	pramodiit2009@gmail.com	
3	Subject Matter Specialist	Dr. Sanjay Kumar Sathi	Scientist	Plant Protection	15600-39100	7000	117200	21.07.2004	Permanent	OBC	8757833007	sathisanjay39@gmail.com	
4	Programme Assistant	Mr. Manoj Kumar	Programme Assistant	Crop Physiology	9300-34800	4200	70000	19.07.2004	Permanent	Gen	7903738486	manojbau2004@gmail.com	
5	Farm Manager	Mr. Madhukar Kumar	Farm Manager	Horticulture	9300-34800	4200	70000	20.07.2004	Permanent	Others	7258054996	mk5529072@gmail.com	
6	Assistant	Manoj Kumar	Assistant	Commmerce	9300-34800	4200	35400	02.02.2025	Permanent	Others	9334423052	manoj5121983@gmail.com	
7	Stenographer	Mr. Subhankar Kumar	Jr. Stenographer cum Typist	-	5200-20200		27900	27.03.2023	Permanent	Other	8809385859	singhbubul283@gmail.com	
8	Driver	Sri Sanjeet Ram	Driver	-	5200-20200		38300	22.07.2004	Permanent	SC	8969892098		
9													
10													

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.50
2.	Under Demonstration Units	0.60
3.	Under Crops	4.25
4.	Horticulture	1.00
5.	Pond	2.65
6.	Others if any	

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	ICAR			500				Under use
2.	Farmers Hostel	ICAR			300				Under use
3.	Staff Quarters (6)	ICAR			400				Under not use
4.	Demonstration Units (2)								
5	Fencing	ICAR			956 sqft				
6	Rain Water harvesting system								
7	Threshing floor	ICAR							
8	Farm godown								
	Other								
9									
10									

B) Vehicles

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on December, 2024	Present status
Jeep (BoleroDI)	2025	ICAR	5,00,000	215000 KM	Condemn
Tractor MF 241 DI	2006	ICAR	5,00,000		Condemn,
Bike	2017	ICAR	80,000	52153	Running
Bike	2017	ICAR	80,000	37142	Running
Jeep (Bolero) New	2025	ICAR	8,80000	12535	Running

C) Equipment's& AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
a. Lab equipment			
Balance (Digital) 1pc	2006-07	6500.	Good
Bod incubator, 'SANCO' 1pc	2006-07	42000.	Good
Laminar Airflow 'SANCO' 1pc	2006-07	68000.	Good
Autoclave SANCO' 1pc	2006-07	29000	Good
Hygrometer (0-99%) 10pc	2006-07	5800.	Good
Thermometer 10-110^{0}C 10pc	2006-07	1230.	Good
U V chamber 1pc	2006-07	10345.	Good
Sterio Binocular 1pc	2006-07	23480	Good
Hot air oven 1pc	2006-07	28899.	Good
Rotary shaker 1pc	2006-07	48000	Good

Autoclave (Horizontal) 1pc	2006-07	76000.	Good
	CST @12.5%	8184	
RQF – 425 Deep Freezer	2007-08	56656	Good
Sony LCD multimedia Projector Model VPL EX- 7	31.3.09	52639	Not working condition
High glossy pull down screen,	31.0.09	32,950	Good
UPS 0.5 kva	31.3.09	2900	Not working condition
Laser pointer	31.3.09	900	Not working
b. Farm machinery			
c. AV Aids			
LCD			Good
PA System			Good

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

Sl. No . Suggestions of SAC meeting	**Date**
1. KVK should be prepared soil fertility map of farm. 2. KVK should have to utilize total land area with crop and must be calculated BC ratio. 3.Prepare a polyhouse in KVK with support of DAO,DHO ,Giridih 4. Training program should be organized in the field of animal husbandry with support of DAHO, Giridih. 5. KVK should contact KVK, Dhanbad for mushroom spawn production. 6. Data should be quantify in any recommendation. 7. Vermi compost should be deleted from natural farming. 8. KVK should work have been done as per document of natural farming and work as scientifically. 9. The title should be corrected in trainings. 10. The title of FLD to be corrected. 11. Redesign the treatment of OFT 3 and OFT 4. 12. KVK website should be updated. 13. Training of Rural youth should be increased.	05.05.2026

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 (Central plateau)	Agriculture+Horticulture+Millet+Animal Husbandry	Coarse textured soil,red sandy loam soil
2	AES 2 (Lower plateau)	Agriculture+Horticulture+Animal Husbandry	Red laterite sandy/ sandy loam soil
3	AES 3 (Degraded mining situation)	Agriculture+Horticulture+Animal Husbandry	Red laterite sandy/sandy loam soil

b) Land Characteristics

S.No	Agro-Ecological Situation (AES)	Topography	Drainage
1.	AES-1 (Central plateau)	Humid and sub humid tropical monsoon,rainfed situation, mixed forest and agriculture	No irrigation facility is available.
2.	AES-2 (Lower plateau)	Rainfed,undulated partial fortial forest area	The sources of irrigation are mainly wells and tanks.
3.	AES-3 (Degraded mining situation)	Rainfed, undulated dense forest	Only life saving irrigations is available.

c) AES-wise major problems

S.No	Agro-Ecological Situation (AES)	Major problems	Rank
1.	AES-1 (Central plateau)	Erratic rainfall, dry climate, monocropping, deforestation, nutrient deficiencies,low agriculture productivity	**3**
2.	AES-2 (Lower plateau)	Soil erosion and land degradation and ,Soil acidity & poor fertility,low water retention. And poor irrigation erratic rainfall	**2**
3.	AES-3 (Degraded mining situation)	Land degradation & deforestation,watercontamination& scarcity,loss of top soil, unstable wasteland area,loss of livelihood	**1**

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

S. No	Crop	Area (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	82833	294885	35.6	26.5	33.7
2	Maize	21107	54034	25.6	11.2	27.4
3	Pigeon pea	7872	1279200	16.25	7.9	12.3
4	Jowar	365	456.25	12.5	1.4	13.9
5	Ragi	1441	1800	12.5	5.5	15.8
6	Bajra	1298	1870.2	9.75	4.4	12.7
7	Ground Nut	1635	1993	12.30	6.6	13.4
8	Wheat	12630	31322	24.8	4.5	20.1

9	Mustard	24941	16960	6..8	6.4	10.3
10	Chick pea	12989	21432	16.5	5.2	9.9
11	Lentil	633	456	7.20	4.8	7.7
12	Sesame	565	746	7.15	5.2	6.6
13						

Source: District agriculture department.

2.3. Weather data (2025-26)

Year	Month	Rainfall (mm)	Temperature ^{0}C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
2023	January	3.9	18	6.2		
	February	15.1	21.8	7.2		
	March	30.1	24.2	11.3		
	April	15.0	36.3	14.8		
	May	17.6	42.8	22.3		
	June	61.2	44.2	21.3		
	July	101.9	45.3	20.8		
	August	184.2	44.1	18.8		
	September	275.5	41.2	17.7		
	October	166.4	42.4	16.3		
	November	0.0	38.8	12.3		
	December	25.1	28.1	9.1		
2024						
	January	0.00	17.3	5.3		
	February	15.1	22.2	6.8		
	March	9.3	28.3	11.9		
	April	0.3	41.2	14.8		
	May	24.9	44.3	23.3		
	June	78.6	45.6	24.2		
	July	191.5	44.3	20.3		
	August	527.6	44.8	18.3		
	September	371.92	41.3	19.3		
	October	33.16	39.8	22.2		
	November	0.00	38.6	12.9		
	December	6.70	28.6	7.8		
2025						
	January	0.0	16.2	5.3		
	February	0.0	21.3	8.7		
	March	27.6	28.3	12.8		
	April	47.3	38.3	18.4		
	May	94.9	44.8	22.4		
	June	203.9	45.1	24.9		
	July	505.6	44.8	26.3		
	August	258.5	42.7	24.2		
	September	164.5	41.9	20.3		
	October	146.38	38.9	18.4		
	November	13.2	36.3	16.8		
	December	0.00	24.3	7.3		

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

Category	Population	Production	Productivity	Productivity gap
Cattle				
Indigenous cattle	70019			
Cross breed	42062			
Buffalo	166260			
Sheep	27950			
Goats	730195			
Cattle				
Crossbred				
Indigenous				
Pigs	53106			

Poultry				
Hens	1011059			
Desi				
Category		**Production (q)**	**Productivity**	
Fish (Reservoir)				

*Statical 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
Jamua	Jamua Bengabad Giridih Birni Dhanwar Bagodar Pirtand Gandey Deori	Chilga Mandrakha Dasdih Fitkoria Khurobindo Sugasar Pokharia Jamdieh Parsan	Rice, Wheat, Maize, Mustard, ,Toria, Arhar, Urd,Bajara, Vegetables		Poor feed management	1. Development of nursery of fruits and vegetables to obtain quality seeds/seedlings
					Lack of knowledge of plant protection measures.	2. Development of animal husbandry enterprises like dairy, piggery and goat farming
					Low under ground water table	3. Improvement of soil and water conservation practices for sustainable agricultural production.
					No use of fertilizer in pulses & oilseeds.	4. Development of homes science enterprises to obtain extra income in lean period and practices for drudgery reduction.
					Low water holding capacity.	5. Development of rainfed farming / dry land horticulture
					Poor percolation status of soil	6. Crop diversification towards floriculture
					Poor quality breed	7. Plant protection measures for solanaceous, brassicasae and bhindi crops.
					No/ Little use of potassic fertilizer	8. Popularization of integrated nutrient management.

					Poor status of soil.	9. Solution for physiological disorders of vegetables.
					Undulating land situation	
					soil erosion	
					Lack of quality seed	
					Irrigation facility is very less.	

2.6 Top five major priority thrust areas:

i..Improvement of soil and water conservation practices for sustainable agricultural production.
ii. Replacement and improvement in crop productivity with new high yielding varieties.
Iii.Popularizationof integrated nutrient management and IPM&IDM..
iv. Development of animal husbandry enterprises like dairy,goatry,piggery and backyard poultry farming.
v. Development of fruits and vegetables nursery to obtain quality seedling/seeds.

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	24	1	130

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
54	1402	127	4100

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
42	5000	0	100

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	IPM	Chilli	Yield reduction due to infestation of Chilli thrips.	Assessment on effect of organic insecticides against chilli thrips.	Demonstration on management of insect pest in brinjal.	Pests of Chilli & Brinjal and their management			
						Organic pest management in Vegetable Crops			
						Integrated pest management			
2	IDM	Brinjal	Yield Losses due to wilting disease of Brinjal	Assessment of Bio-Intensive management of wilt disease in Brinjal.		Management of disease & Insects of Rice			
3	Development of fruits and vegetables nursery to obtain quality seedling/seeds					Plant propagation technique of fruit plants			

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

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

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								
TOTAL								

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

OFT-1

Crop area of district in 21107 ha, District yield 3.85(Q/ha) State yield 25.6 (Q/ha)

Crop	Maize
Season	Kharif
Main problem	Low yield of Maize due to heavy weeds infestation.
Main cause	High labour cost, weed infestation, Low fertility
Title of OFT	Assessment of manual low cost weeding tools in Maize
Farming situation	Sandy loam, Upland/midland, Irrigated, Kharif Crop
Thematic area	Weed management
Farmer practice	T1 : No weeding/hand weeding with khurpi/kudalFP(20-25 DAS)
Technology option selected for assessment	T2: Three Tyne hoe (Grubber) first(20-25DAS) second(40-45DAS) T3: Rotary tiller (manual) first(20-25DAS) second(40-45DAS)
Source of technology	CIAE Bhopal
No of trial	10 (Total area for field crops 1.0 ha and for vegetable 0.4 ha)
Detail of critical input	Three Tyne hoe (Grubber) & Rotary tiller (manual)
Cost of individual critical input	2000/ha
Total cost of critical input	20000/ha
Performance indicator to be recorded	(i)Technical indicator (No of tillers, Effective tillers, grains per panicle, Yield (Q/ha) (ii)Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (iii)Farmer perception

OFT-2Crop area of district in 1700 ha, District yield 520 (Q/ha) State yield 200 (Q/ha)

Crop	Tomato
Season	Rabi
Main problem	Low yield of Tomato
Main cause	Poor water holding capacity of soil.
Title of OFT	Assessment of different methods of irrigation on productivity of tomato in medium land.
Farming situation	Sandy loam, Upland/midland, Irrigated, Rabi
Thematic area	Water management
Farmer practice	T1 Farmer practices furrow/ bed irrigation
Technology option selected for assessment	T2 Drip irrigation with Crop Residue(paddy straw) mulch T3 Drip irrigation with plastic mulching
Source of technology	IARI New Delhi
No of trial	10 (Total area for field crops 1.0 ha and for vegetable 0.4 ha)

Detail of critical input	Plastic mulch Silver plastic 25 micron, Paddy straw
Cost of individual critical input	2000/-Rs.
Total cost of critical input	20000/-Rs. /ha
Performance indicator to be recorded	(i) Technical indicator (No of tillers, no of irrigation, fruits per plant, Yield (Q/ha) (ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (iii) Farmer perception

OFT-3Crop area of district in 1700 ha, District yield (180 q/ha) State yield (250 q/ha)

Crop	Brinjal
Season	Kharif
Main problem	Yield Losses due to wilting disease of Brinjal
Main cause	Wilting of Brinjal due to fungal and bacterial attack
Title of OFT	**Assessment of Bio-Intensive management of wilt disease in Brinjal.**
Farming situation	Rise based production system under rainfed situation.
Thematic area	Intergrated disease management
Farmer practice	Ridomil gold, use on the appearance of disease.
Technology option selected for assessment	Farmer practice – Use of Endofil M-45 on the appearance of disease. **TO-1-** Soil solarization , seed treatment byTrichoderma harzianum@5g/kg seed, Nursery bed treatment by Neem cake 1kgper square meter(sqm),Soil application with 500 kg Neem cake/ha before 15 days transplanting or at the time of field preparation. **TO-2-** Soil solarization, Seed treatment by *Trichoderma viride* @ 10 gm /kg of seed, Nursery bed treatment by *Trichoderma viride* @ 50 gm / sq m, Soil application *Trichoderma viride* @ 5 kg/ ha mixed with 500 kg vermi compost / ha at 30 days after transplanting.
Source of technology	B.A.U. Sabour (Bihar),2021
No of trial	10
Detail of critical input	Trichoderma ,P.fluorescence& Vermi compost etc.
Cost of individual critical input	1000+900+1500 = 3400
Total cost of critical input	3400
Performance indicator to be recorded	1. % disease incidence 2. Yield (Q/ha) 3. BC Ratio

OFT-4Crop area of district in 1200 ha, District yield (90 q/ha) State yield (260 q/ha)

Crop	Chilli
Season	Kharif
Main problem	Yield reduction due to infestation of Chilli thrips.
Main cause	Infestation of Chilli thrips.
Title of OFT	**Assessment on effect of organic insecticides against chilli thrips.**
Farming situation	Rainfed medium land crop production or mono cropping rainfed situation.
Thematic area	Intergrated Pest management
Farmer practice	Use Cypermethrin on the appearance of insects.
Technology option selected for assessment	Farmer practice – Use Cypermethrin on the appearance of insects. **TO-1-** Spray of 10 % cow urine at 7 days intervel after 40 DAP. **TO-2**- Spray of Azadiracthtin 1000 ppm @ 3ml /liter of water at 7 days interval after 40 DAP . **TO-3**- Spray of 10 % cow urine alternate with Azadirachtin 1000 ppm @ 3ml / liter of

	water at 7 days interval after 40 DAP. TO-4- Spray Imidachloropid-17.8 SL@3ml/10lit.of water after 40 DAP.
Source of technology	B.A.U. Sabour (Bihar) , 2021
No of trial	10
Detail of critical input	Azadirachtin 1000 ppm etc.
Cost of individual critical input	2000
Total cost of critical input	2000
Performance indicator to be recorded	1. % insect incidence 2. Yield (Q/ha), 3.Cost of cultivation, Gross income, Net Return 4. BC Ratio

OFT- 5 Crop area of district in 1200 ha, District yield (80q/ha) State yield (260 q/ha)

Crop	Chilli
Season	Kharif
Main problem	Flower drop in chilli
Main cause	Hormonal imbalance
Title of OFT	**Management of flower drop in Chilli crop through PGR application**
Farming situation	Soil type:- Red Sandy & Red Loamy, land type :- upland, irrigation type :- Irrigated, season :- Kharif
Thematic area	Vegetable production
Farmer practice	No use of PGR
Technology option selected for assessment	TO-2: Spray of NAA (Planofix) @25ppm(1st spraying at 30 DAT and at 2nd at flowering stage) TO-3: Spray of GA3 @10ppm (1st spraying at 30 DAT and at 2nd at flowering stage)
Source of technology	TO-2 BAU Sabour Bihar, 2022; TO-3 TNAU 2024
No of trial	10 (Total area : 0.4 ha)
Detail of critical input	PGR (Planofix, GA3)
Cost of individual critical input	PGR (Planofix& GA3):- Rs.54.25 each
Total cost of critical input	Rs. 543/0.4ha
Performance indicator to be recorded	(i) Days from Transplanting to 50% flowering; No. of flower present on plant and no. of flowers dropped on soil will be observed twice at weekly interval after second spray.; No. of fruits per plant; Average fruit weight (g) (ii) Yield (q/ha) (iii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (iv) Farmer s perception

OFT- 6 Crop area of district in 2640 ha, District yield (123.45q/ha) State yield (260 q/ha

Crop	Mango
Season	Kharif
Main problem	Low fruit yield due to poor nutrient management in mango and moisture conservation.
Main cause	Lack of suitable moisture
Title of OFT	**Assessment of different mulching material in mango.**
Farming situation	Soil type:- Red Sandy & Red Loamy, land type :- upland, irrigation type :- rainfed, season :- Kharif,
Thematic area	Mango Production system and Mulching

Farmer practice	No mulching/liter fall of trees.
Technology option selected for assessment	TO-2: Tephrosia @1kg dry biomass/m2 canopy(Plant spread) TO-3: Grass/Paddy straw/any local available mulching 15cm thick(Plant spread)+Greece band 30 cm from GL
Source of technology	ICAR-FSRCHPR-Plandu, Ranchi
No of trial	10
Detail of critical input	Tephrosia seeds, Greece
Cost of individual critical input	Rs. 1000 .00 each
Total cost of critical input	Rs. 10000
Performance indicator to be recorded	(i) Weed count at 3-4 internment stage at one month interval soil moisture retention %, NPK status (Pre and post) (ii) Yield (Kg/plant) (iii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (iv) Farmer s perception

Note: Each OFT detail should be given in the format

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	Brinjal	IPM	1. HY Var. Swarna shyamli 2. Dip seedling and soil drenching with copper oxychloride 50 wp 10ml/15lit water + Streptocyclin, Spray of imidaclorpid	Seed	Kharif, 2026	1	20	(I) Technical indicator- Av. Yield kg/ha, Mortality%, no of branches, no of fruits. (II) Economic indicator – Gross cost, Gross return, Net return, B:C Ratio (III) Farmer Feedback-
2	Tomato	Vegetable production	HY tomato var. Swarna Sampada/Swarn Saridhi, Seed treatment 1. imidaclorpid, 2.Streptocyclin, Dip seedling and soil drenching with copper oxychloride 50 wp 10ml/15lit.water	Seed	Kharif, 2026	1	20	(I) Technical indicator- Wilting% , Yield (II) Economic indicator – Gross Cost, Gross Return, B:C ratio (III) Farmer Feedback-
3	Ragi	:Millet production	High yielding Ragi var. BBM 10, Seed rate 8kg/ha,Line sowing, Spacing 30 X10 cm, NPK 50:40:25 kg/ha,	Seed	Kharif, 2026	20	50	(I) Technical indicator- Av. Yield q/ha, Straw yield q/ha (II) Economic indicator – Gross cost, Gross return and B: C Ratio (III) Farmer Feedback-
4	Milky Mushroom	Mushroom production	High yielding Mushroom var. DMR-985 and improved casing methods (750g compost + 250 g Coco	Mushroom spawn		20	20	(I) Technical indicator- Av. Yield/ bag, Length of the stalk, Days of first harvest (II) Economic indicator –

			peat, 3cm thick soil casing)					(III)	Gross Cost, Gross Return, B:C ratio Farmer Feedback-
5	Nutrition Garden	Nutritional Security	Kharif:- Lady'sfinger,ridgegourd,bittergourd,bottlegourd,tomato,chilli,amarnthus,radish,sweet potato,guava,lime,papya etc. Rabi:Tomato,chilli,beans,carrot,spinach,amaranthus,radish,beetroot, greenpea,cauliflower,cabbage,broccoli,garlic etc. Summer:- Lady'sfinger,ridgegourd,bittergourd,bottlegourd,tomato,chilli, amaranthus,radish etc.	Vegetable Seeds	Kharif,Rabi,Summer 2026-27	2	20	(I) (II) (III)	Technical indicator-Yield (q/ha) Economic indicator – Gross Cost, Gross Return, Net Return& B:C ratio Farmer Feedback-
6									
7									
8									
				Total					

Sponsored Demonstration- Nil

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	10	June-December 2026	300
2	Field days	5		450
3	Media coverage	10		
4	Training for extension functionaries	5		125
5	Field Visit by the scientist	10	June-December 2026	300

C. Details of FLD on Enterprises

(i) Farm Implements -Nil

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

(ii) Livestock Enterprises- Nil

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators

Details of all FLD in the given format

1.

Title of FLD	Demonstration on management of insect pest in brinjal.		
Season & Year	Kharif & 2026-27		
Main Problem	Low yield of brinjal		
Main cause of problem	Wilting in tomato during flowering and fruiting		
Full detail of farmer's Practice	Improper seedling preparation, non- spacing of seedling transplantation, improper use of pesticides, non follow of IPM.		
Name of the Technology	Improved production technology of brinjal		
Full detail of technology to be demonstrated	1. HY Var. Swarna shyamli 2. Dip seedling and soil drenching with copper oxychloride 50 wp 10ml/15lit water + Streptocyclin, Spray of imidaclorpid		
Thematic area	Improved production technology of brinjal		
Source of Technology with year	IPM		
Name of villages	Charghara, Kargalu, Charkhmara		
Farming situation	Rainfed Midland situation		
Area (ha)/Unit (No.)	01ha	No.of farmers	20
Performance indicator	(i)Technical indicator- Av. Yield kg/ha, Mortality%, no of branches, no of fruits. (ii)Economic indicator – Gross cost, Gross return, Net return, B:C Ratio (iii) Farmer Feedback-		

2.

Title of FLD	Demonstration of Improved cultivation of Tomato		
Season & Year	Kharif & 2026-27		
Main Problem	Low yield of tomato		
Main cause of problem	Wilting of tomato during flowering and fruiting		
Full detail of farmer's Practice	Improper seedling preparation, non- spacing of seedling transplantation, improper use of pesticides, non follow of IPM.		
Name of the Technology	Improved production technology of tomato		
Full detail of technology to be demonstrated	HY tomato var. Swarna Sampada/Swarn Saridhi, Seed treatment 1. imidaclorpid, 2. Streptocyclin, Dip seedling and soil drenching with copper oxychloride 50 wp 10ml/15lit.water		
Thematic area	Vegetable production		
Source of Technology with year	ICAR-FSRCHPR-Plandu, Ranchi		
Name of villages	Kargalu, Charakhmara, Charghara		
Farming situation	Rainfed Midland situation		
Area (ha)/Unit (No.)	01ha	No.of farmers	20
Performance indicator	(I)Technical indicator- Wilting % (II)Economic indicator -Gross cost, Gross return, Net return, B:C Ratio (III)Farmer Feedback-		

3.

Title of FLD	Demonstration on Nutrition Garden		
Season & Year	Kharif, Rabi& Summer 2026-27		
Main Problem	Lack of awareness nutrition security in village level.		
Main cause of problem	Unawareness about right nutrition required for good health.		
Full detail of farmer's Practice	Grow only one ,more crop in the year without in systemic way for nutrition purpose.		
Name of the Technology	Nutrition garden		
Full detail of technology to be demonstrated	Kharif:-Lady'sfinger, ridgegourd, bittergourd, bottlegourd, tomato, chilli, amarnthus, radish, sweet potato, guava, lime, papaya etc. Rabi:Tomato,chilli,beans,carrot,spinach,amaranthus,radish,beetroot,greenpea, cauliflower,cabbage,broccoli,garlic etc. Summer:-Lady'sfinger, ridgegourd, bittergourd, bottlegourd, tomato, chilli, amaranthus, radish etc. Area- 250m2		
Thematic area	Nutritional Security		
Source of Technology with year	BAU, Ranchi.		
Name of villages	Charghara, Kargalu, Charakmara		
Farming situation	Rainfed production system : Upland		
Area (ha)/Unit (No.)	2	No. of farmers	20
Performance indicator	(I)Technical indicator- Yield (q/ha) (II)Economic indicator -Gross cost, Gross return, Net return, B:C Ratio (III)Farmer Feedback-		

4.

Title of FLD	Demonstration on improved cultivation practices of Ragi (Finger millet)		
Season & Year	Kharif & 2026-27		
Main Problem	Low yield of Ragi		
Main cause of problem	Use of local seed, lack of knowledge for scientific cultivation of ragi and improper farm management		
Full detail of farmer's Practice	Local seed and broadcasting method of cultivation, Seed rate 15 kg/ha, No seed treatment, imbalanced fertilizer use		
Name of the Technology	Improve Package of practices for Finger millet Cultivation.		
Full detail of technology to be demonstrated	High yielding Ragi var. BBM 10, Seed rate 8kg/ha,Line sowing, Spacing 30 X10 cm, NPK 50:40:25 kg/ha,		
Thematic area	Integrated crop management : Millet production		
Source of Technology with year	BAU,Ranchi 2020		
Name of villages	Charakhmara, Bergi, Jamband, Leda, Kowad		
Farming situation	Rainfed upland production system		
Area (ha)/Unit (No.)	20	No.of farmers	50
Performance indicator	(I) Technical indicator- Av. Yield q/ha, Straw yield q/ha (II) Economic indicator – Gross cost, Gross return and B: C Ratio (III) Farmer Feedback-		

5.

Title of FLD	Demonstration on improved production technology of Milky Mushroom		
Season & Year	Summer & 2026-27		
Main Problem	Low production of mushroom		
Main cause of problem	Lake of knowledge cultivation technique, Low grade Spawn,		
Full detail of farmer's Practice	Cultivation of mushroom. as per availability of spawn		
Name of the Technology	Improved production technology of mushroom		
Full detail of technology to be demonstrated	High yielding Mushroom var. DMR-985 and improved casing methods (750g compost + 250 g Coco peat, 3cm thick soil casing)		
Thematic area	Mushroom production		
Source of Technology with year	DMR (Directorate of Mushroom Research, Solan) 2023		
Name of villages	Bergi, Budhudih, Manjori, Beldih		
Farming situation	Rainfed production system		
Area (ha)/Unit (No.)	20	No.of farmers	20
Performance indicator	(I) Technical indicator- Av. Yield/ bag, Length of the stalk, Days of first harvest (II) Economic indicator – Gross Cost, Gross Return, 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								
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Site specific nutrient management								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management								
Fodder production								
Production of organic inputs								
Natural farming								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	Production of low volume and high value crops	3	2	5	7	13	20	25
Off-season vegetables	Off-season cultivation of cucurbitaceous crops	2	5	7	6	12	18	25

Nursery raising	Nursery raising of vegetables	5	4	9	6	10	16	25
Exotic vegetables like Broccoli								
Vegetable production	Scientific cultivation of pointed gourd	3	2	5	8	12	20	25
Nutrition garden	Layout and establishment of kitchen garden/nutrition garden for food and health security	2	5	7	6	12	18	25
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	Protective cultivation	5	4	9	6	10	16	25
Natural farming								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards	Layout and Management of Orchards	3	2	5	7	13	20	25
Cultivation of Fruit	High density orchard of mango and guava	2	5	7	6	12	18	25
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques	Production of sapling of fruit plant	5	4	9	6	10	16	25
c) Ornamental Plants								
Flower Production	Production technique of flowers	3	2	5	8	12	20	25
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	Cultivation technique of spices	3	2	5	8	12	20	25
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								
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								
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								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides	Training of Natural Farming specially for Bio pesticides preparation technique	2	5	7	6	12	18	25
Integrated Pest Management	Management of Insects pests of cole crops	5	4	9	6	10	16	25
Integrated Disease Management	Management of diseases of oil seed crops	4	5	9	3	13	16	25
IPM and Integrated Disease Management	Management of Insects &diseases of Pulse crops	2	2	4	5	16	21	25
Bio-control of pests and diseases	Importance of soil solarization &summer ploughing.	3	2	5	6	14	20	25
IPM and Integrated Disease Management	Seed treatment of technique of different crops	2	4	6	8	11	19	25

IPM and Integrated Disease Management	Scientific cultivation technique of summer vegetable & their management	3	5	8	5	12	17	25
Integrated weed Management	Weed management of kharif crops.	4	3	7	9	9	18	25
Integrated weed Management	Weed management of vegetable crops.	2	5	7	6	12	18	25
IPM and Integrated Disease Management	Disease & pest management of Potato crop.	3	6	9	5	11	16	25
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								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs/FPOs etc								
Mobilization of social capital								
Entrepreneurial development of farmers/youths								
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL		**66**	**78**	**144**	**133**	**248**	**435**	**525**
(B) RURAL YOUTH								
Mushroom Production	Mushroom Production technique	4	6	10	12	28	40	50
Bee-keeping								
Integrated farming								
Seed production								

Production of organic inputs								
Integrated Farming (Medicinal)								
Planting material production	Plant propagation technique of fruit plants	6	5	11	11	28	39	50
Vermi-culture	Method and preparation of Vermi compost	2	3	5	6	14	20	25
Natural farming	Natural farming	3	2	6	5	14	20	25
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements	Repair and maintenance of farm machinery and implements	0	0	0	50	0	50	50
Nursery Management of Horticulture crops	Installation of Micro irrigation systems of orchards	0	0	0	25	0	25	25
Nursery Management of Horticulture crops	Nursery Management of Horticulture crops	2	3	5	6	14	20	25
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		**17**	**19**	**57**	**115**	**98**	**214**	**250**
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management	Integrated Pest Management	4	6	10	12	28	40	50
Integrated Nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology	Protected cultivation technology of vegetable	5	6	11	13	26	39	50
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								
Water management	Training on Water management	6	3	9	7	9	16	25
Water management	Micro irrigation systems of orchards	5	6	11	6	8	14	25
TOTAL		**20**	**21**	**41**	**38**	**71**	**109**	**150**
G. Total		**103**	**118**	**242**	**286**	**417**	**758**	**925**

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								
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	1	4	3	7	6	12	18	25
Off-season vegetables	1	3	7	10	4	11	15	25
Nursery raising	1	2	7	9	4	12	16	25
Nutrition garden	1	5	3	8	7	10	17	25
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	1	3	6	9	5	11	16	25
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	1	3	7	10	4	11	15	25
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								
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								
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	1	4	2	6	9	9	18	25
Use of Plastics in farming practices	1	3	6	9	5	11	16	25
Production of small tools and implements	1	2	6	8	7	10	17	25
Repair and maintenance of farm machinery and implements								

Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management	1	2	4	6	8	11	19	25
Integrated Disease Management	1	3	5	8	5	12	17	25
Bio-control of pests and diseases	1	4	3	6	9	19	18	25
Integrated Pest Management	1	3	6	9	5	11	16	25
Production of bio control agents and bio pesticides								
Entrepreneurship development on input production for pest management under organic and natural farming.	1	2	2	4	5	16	21	25
Emerging pest of vegetable crops under changing climate and their management	1	3	3	5	6	14	20	25
Fruit fly management in cucurbits	1	2	4	6	8	11	19	25
Changing behavior of pest in pulse and their management	1	4	3	6	9	19	18	25
Organic pest management in vegetable crops	1	2	5	7	6	12	18	25
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								
Group dynamics								
Formation and Management of SHGs(HS)								
Mobilization of social capital								
Entrepreneurial development of farmers/youths (Agro)								
WTO and IPR issues								
XI Agro-forestry								
Production technologies								

Nursery management								
Integrated Farming Systems (Agro)								
XII Others (Pl. Specify)								
TOTAL	**18**	**54**	**89**	**143**	**112**	**222**	**314**	**450**

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								
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	2	7	5	12	13	25	38	50
Off-season vegetables	2	5	12	17	10	23	33	50
Nursery raising	2	7	11	18	10	22	32	50
Nutrition garden	2	7	8	15	13	22	35	25
Vegetable production	1	3	2	5	8	12	20	25
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	2	8	10	18	11	21	32	50
b) Fruits								
Training and Pruning								
Layout and Management of Orchards	1	3	2	5	7	13	20	25
Cultivation of Fruit	1	2	5	7	6	12	18	25
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques	2	8	11	19	10	21	31	50
c) Ornamental Plants								
Flower Production	1	3	2	5	8	12	20	25
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	1	3	2	5	8	12	20	25
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								
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								
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	1	4	2	6	9	9	18	25
Use of Plastics in farming practices	1	3	6	9	5	11	16	25
Production of small tools and implements	1	2	6	8	7	10	17	25
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management	3	10	14	24	19	32	51	75
Integrated Disease Management	2	7	10	17	8	25	33	50
Integrated Pest Management& IDM	4	10	17	27	23	50	73	100
Bio-control of pests and diseases	1	3	2	5	6	14	20	25
Production of bio control agents and bio pesticides	1	2	5	7	6	12	18	25
Integrated Weed Management	2	6	8	14	15	21	36	50
Entrepreneurship development on input production for pest management under organic and natural farming.	1	2	2	4	5	16	21	25
Emerging pest of vegetable crops under changing climate and their management	1	3	3	5	6	14	20	25
Fruit fly management in cucurbits	1	2	4	6	8	11	19	25
Changing behavior of pest in pulse and their management	1	4	3	6	9	19	18	25
Organic pest management in vegetable crops	1	2	5	7	6	12	18	25
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								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs								
Mobilization of social capital								
Entrepreneurial development of farmers/youths								
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
Sponsored training								
TOTAL	**38**	**116**	**157**	**271**	**236**	**451**	**728**	**925**
(B) RURAL YOUTH								
Mushroom Production	2	4	6	10	12	28	40	50
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Integrated Farming	2	6	5	11	11	28	39	50
Planting material production	1	2	3	5	6	14	20	25
Vermi-culture	1	3	2	6	5	14	20	25
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements	2	0	0	0	50	0	50	50
Nursery Management of Horticulture crops	2	2	3	5	31	14	45	50
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	**10**	**17**	**19**	**39**	**115**	**98**	**214**	**250**
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management	2	4	6	10	12	28	40	50
Integrated Nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology	2	5	6	11	13	26	39	50
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)	2	11	9	20	13	17	30	50
Total	**6**	**20**	**21**	**41**	**38**	**71**	**109**	**150**
G. TOTAL	**54**	**153**	**197**	**351**	**389**	**620**	**1051**	**1325**

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	8									400
Kisan Mela	2									500
Kisan Ghosthi	4									100
Exhibition	2									100
Film Show	10									500
Farmers Seminar										
Workshop										
Group meetings										
Lectures delivered as resource persons										
Newspaper coverage	20									
Radio talks										
TV talks										
Popular articles										
Extension Literature	5									
Advisory Services										
Scientific visit to farmers field	35									450
Farmers visit to KVK										
Diagnostic visits	25									250
Exposure visits										

Ex-trainees Sammelan	2									200
Soil health Camp	2									400
Animal Health Camp	5									500
Agri mobile clinic										
Soil test campaigns										
Farm Science Club Conveners meet										
Self Help Group Conveners meetings	2									200
Mahila Mandals Conveners meetings										
Celebration of important days (specify)	5									500
Krishi Mohostva										
Krishi Rath										
Pre Kharif workshop										
Pre Rabi workshop										
PPVFRA workshop										
Any Other (Specify)										
Total										

3.5 Target for Production and supply of Technological products

A) SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Paddy	Rajendra mansuri	25
		CR Dhan 320	15
OILSEEDS	Mustard	BM-3	2
PULSES			
VEGETABLES			
OTHERS (Specify)			

B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Papaya	Red Lady,	1000
SPICES			
VEGETABLES	Tomato	Hybrid	1000
	Brinjal	Hybrid	1000
	Chilli	Hybrid	1000
FOREST SPECIES			
ORNAMENTAL CROPS			

		Total	

C) BIO-PRODUCT- Nil

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

D) LIVESTOCK -Nil

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 : 01.06.2026

Number of copies to be published :20

(B) Literature to be developed/published

S.No.	Topic	Number
1	Research paper each scientist	3
2	Technical reports	4
3	News letters	25
4	Training manual all discipline	8
5	Popular article	3
6	Extension literature	10
	Total	**53**

(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			

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) PRA
b) Questionnaires
c) Interview

Rural Youth

a) PRA
b) Interview schedule
c) Training need assessment
d)

In-service personnel

a) Competency mapping
b) Task analysis
c) Interviews

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) - 2021

Sl.No.	Name of Block	Village name
1	Bengabad	Charghara, Ojhadih,Pesratad,Kargalo
2	Gandey	Charakhmara, Maheshmundi, dasdih, Dhobna
3	Jamua	Chorgota, Jioytol, Dhirosingha, Renba
4	Deori	Nayadih, Manikbad
5	Birni	Mandrakha, Kesodih

ii. No. of farm families selected per village:85
iii. No. of PRA conducted: Nil
iv. No. of technologies taken to the adopted villages :-5
v. Name of the technologies found suitable by the farmers of the adopted villages:

- Soil Solarization, Seed treatment by Pseudomonas fluorescens @10gm/kg.

Nursery bed Treatment of Pseudomonas fluorescens @ 20gm/m2.
Soil application of Pseudomonas fluorescens @5kg/ha mixed with 500kg
vermi compost/ha at 30 days of transplanting.

- Bait Application Technique (BAT) spray liquid of 0.1% insecticide (malathion) and 10% jaggery or 10% ripe banana or erect cue lure(Para pheromone trap)@3 per acre to attract and trap male fruit flies.

vi. Impact (production, income, employment, area/technological– horizontal/vertical)

- ❖ Production 288q/ha & Income increased as 216000/- as compare to the farmers yield ie.190.5q/ha& 130500/-
- ❖ Income increased as 8100/- as compare to the farmers yield & income as 51000/-

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

3.11. Activities of Soil and Water Testing Laboratory -Nil

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	100	100	4	
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.	DAO	Training,Workshop,Field visit	Farmers aware from new technology
2.	DHO	Training	Farmers aware from new technology
3.	DCO	Training	Farmers aware from new technology
4.	DAHO	Training	Farmers aware from new technology
5.	NGO	Training	Farmers aware from new technology

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	Training	Training	Farmers aware from new technology
2	Workshop	Workshop	Farmers aware from new technology and allied sector
3	Demonstration	Demonstration	Adoption of improved variety
4	Farmers scientist Interaction	Farmers scientist Interaction	Farmers aware from new technology

5. Utilization of Hostel facilities

S. No.	Programme	No. of days
1	Training on Plant propagation techniques of fruit crops.	**5**
2	Training on Method and Preparation of vermi compost	**5**
3	Training onNursery management	**5**
4	Training on Cultivation techniques of Mushroom	**5**
5	Training onNatural farming	**5**

6	Training on Repair & maintenance of farm machinery &implements and its management	**5**
7	Training on Installation of Micro irrigation system of orchard	**5**
8	Training on Plant propagation techniques of fruit crops.	**5**
9	Training on Cultivation techniques of Mushroom	**5**
10	Training on Repair & maintenance of farm machinery &implements and its management	**5**
	Total	**50**

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	Nursery raising of solanaceous vegetables.	1	2	5	7	6	12	18	25	May
	PF/FW	Scientific cultivation of tomato crops.	1	5	4	9	6	10	16	25	May
	PF/FW	Layout & establishment of kitchen/Nutritional garden for food & health security	1	4	5	9	3	13	16	25	May
	PF/FW	Production technology of low volume and high value crops	1	2	2	4	5	16	21	25	Oct
	PF/FW	Propagation techniques of fruitplants	1	3	3	5	6	14	20	25	May
	PF/FW	Off season cultivation of cucurbitaceous crop.	1	2	4	6	8	11	19	25	June
	PF/FW	Cultivation techniques of spices	1	3	5	8	5	12	17	25	July
	PF/FW	Management of young orchards	1	4	3	6	9	19	18	25	Oct
	PF/FW	High density orchard of guava	1	2	5	7	6	12	18	25	August
	PF/FW	Production technology of flower.	1	3	6	9	5	11	16	25	Sept.
	PF/FW	Protected cultivation(Green houses,shade net etc)	1	2	5	7	6	12	18	25	August
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	Training of Natural Farming specially for Bio pesticides preparation technique	1	2	5	7	6	12	18	25	June & July
	PF/FW	Management of Insects pests of cole crops	1	5	4	9	6	10	16	25	Sept.,Oct & Nov.
	PF/FW	Management of diseases of oil seed crops	1	4	5	9	3	13	16	25	August
	PF/FW	Management of Insects &diseases of Pulse crops	1	2	2	4	5	16	21	25	July, Aug & Nov.
	PF/FW	Importance of soil solarization &summer ploughing.	1	3	3	5	6	14	20	25	March ,April& May
	PF/FW	Seed treatment of technique of different crops	1	2	4	6	8	11	19	25	June
	PF/FW	Scientific cultivation technique of summer vegetable & their management	1	3	5	8	5	12	17	25	Jan & Feb
	PF/FW	Weed management of kharif crops.	1	4	3	6	9	19	18	25	June
	PF/FW	Weed management of vegetable crops.	1	2	5	7	6	12	18	25	Sept.
	PF/FW	Disease & pest management of Potato crop.	1	3	6	9	5	11	16	25	Nov. & Dec.
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											
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
Horticulture											
	PF/FW	Nursery raising of solanaceous vegetables.	1	4	3	6	9	19	18	25	May
	PF/FW	Scientific cultivation of tomato crops.	1	3	6	9	5	11	16	25	May
	PF/FW	Layout & establishment of kitchen/Nutritional garden for food & health security	1	2	6	8	7	10	17	25	May
	PF/FW	Production technology of low volume and high value crops	1	3	6	9	5	11	16	25	Oct
	PF/FW	Propagation techniques of fruit plants	1	4	3	6	9	19	18	25	August
	PF/FW	Off season cultivation of cucurbitaceous crop.	1	3	6	9	5	11	16	25	Sept.
	PF/FW										
	PF/FW										
Live Stock Production.											
	PF/FW										

	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
Agril. Engg.											
	PF/FW	Training on Water management	1	4	3	6	9	19	18	25	May & June
	PF/FW	Protective cultivation (Green Houses, Shade Net etc.)	1	3	6	9	5	11	16	25	Nov & Dec.
	PF/FW	Micro irrigation systems of orchards	1	2	6	8	7	10	17	25	Sept. & Oct.
	PF/FW	Production of small tools and implements	1	3	6	9	5	11	16	25	Aug & Sept.
	PF/FW										
Home Sc.											
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
Plant Protection											
	PF/FW	Management of Insects and disease of Rice	1	2	4	6	8	11	19	25	July & Aug.
	PF/FW	Pests of Chilli & Brinjal and their management	1	3	5	8	5	12	17	25	Jan & Feb.
	PF/FW	Organic pest management in vegetable crops	1	4	3	6	9	19	18	25	Sept.& Oct.
	PF/FW	Management of Stored grain pests	1	3	6	9	5	11	16	25	March& April
Fisheries											
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
Soil health											
	PF/FW										
	PF/FW										
	PF/FW										

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		
Fruit	Planting material production	Plant propagation techniques of fruit crops.	5	7	5	12	8	5	13	25	August
Vermi compost production	Vermi compost production	Method and Preparation of vermi compost	5	8	6	14	6	5	11	25	Sept.

Vegetables	Nursery management	Nursery management	5	6	3	9	7	9	16	25	June
Mushroom	Mushroom Production	Cultivation techniques of Mushroom	5	5	6	11	6	8	14	25	November
	Natural farming	Natural farming	5	8	6	14	6	5	11	25	Sept.
	Farm Machinery	Repair & maintenance of farm machinery & implements and its management	5	6	3	9	7	9	16	25	October
	Water Management	Installation of Micro irrigation system of orchard	5	5	6	11	6	8	14	25	November

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											
10.06.2026	BAO,VLW, Line Department	Integrated pest management	1	7	5	12	8	5	13	25	
08.08.2026	Line Department,BTM& ATM	Integrated management of major insect and disease of Rice	1	8	6	14	6	5	11	25	
20.11.2026	BAO,VLW, Line Department	Training on Water management	1	6	3	9	7	9	16	25	
05.12.2026	BTM & ATM, Line Department	Micro irrigation systems of orchards	1	5	6	11	6	8	14	25	
06.2026	BTM & ATM, Line Department	Protected cultivation techniques	1	8	6	14	6	5	11	25	
08.2026	BTM & ATM, Line Department	Protected cultivation techniques	1	6	3	9	7	9	16	25	

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								

Signature of Senior Scientist & Head
KVK Giridih