Divyayan-Krishi Vigyan Kendra Ranchi

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
Divyayan Krishi Vigyan Kendra Morabadi, Ranchi, Jharkhand - 834008	Office	FAX	kvk.divyayan@gmail.com	https://ranchi.kvk4.in/
	6512551008	06512552427		

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

Address	Telephone		E mail	Website
	Office	FAX		
Ramakrishna Mission Ashrama	06512551008		ranchi.morabadi@rkmm.org	www.rkmranchi.org

1.2.b. Status of KVK website: Yes Date when the website last updated: 23.04.2026

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : 1,68,764

1.2.d Status of ICT lab at your KVK :

a) No. of PC units : 07

b) No. of Printers : 04

c) Internet connection : Yes

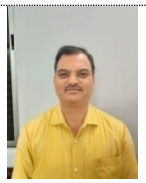
1.3. Name of the Senior Scientist & Head with phone & mobile no.

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Ajeet Kumar Singh	06512551008	**9430379197**	**kvk.divyayan@gmail.com**

1.4. Year of sanction: 1977

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. Ajeet Kumar Singh	Senior Scientist & Head	Soil Science	Pay Level - 13A	-	1,71,400	01-01-2012	Permanent	Others	9430379197	singhajeet1978@gmail.com	

2	Subject Matter Specialist (SMS)	Dr. Rajesh Kumar	SMS - Plant Protection	Ag. Entomology	Pay Level -10	-	90,000	01-02-2007	Permanent	OBC	7979879746	rajeshrkm07@gmail.com	
3	Subject Matter Specialist (SMS)	Dr. Manoj Kumar Singh	SMS - Agronomy	Agronomy	Pay Level -10	-	90,000	01-02-2007	Permanent	Others	7903492574	manojsinghdkvk@gmail.com	
4	Subject Matter Specialist (SMS)	Dr. Bharat Mahto	SMS - Animal Husbandry	Pay Level -10	-	90,000	01-04-2007	Permanent	OBC	9955532903	bharatrkm@gmail.com	
5	Subject Matter Specialist (SMS)	Dr. Neha Rajan	SMS - Genetics & Plant Breading	GPB	Pay Level -10	-	77,700	15-10-2012	Permanent	OBC	6201879809	neha.rajan96@gmail.com	
6	Subject Matter Specialist (SMS)	Dr. Ravindra Kumar Singh	SMS - Horticulture	Horticulture	Pay Level -10	-	65,000	01-07-2019	Permanent	Others	7651912885	ravi11deep@gmail.com	
7	Subject Matter Specialist (SMS)	Dr. Vishakha Singh	Subject Matter Specialist (SMS)-Home Science	Home Science	Pay Level -10	-	61,300	23-03-2022	Permanent	Others	6002370830	vishunutri92@gmail.com	

8	Programme Assistant (Lab Technician)	Sri Om Prakash Sharma	Programme Assistant (Lab)		Pay Level -6	-	62,200	01-02-2007	Permanent	Others	9835198023	opsdkvk@gmail.com	
9	Farm Manager	Sri Santosh Kumar	Farm Manager		Pay Level -6	-	62,200	01-02-2007	Permanent	OBC	8709920134	santoshdkvk@gmail.com	
10	Assistant	Sri Narayan Ohdar	Assistant		Pay Level -6	-	62,200	01-11-2007	Permanent	OBC	7903155240	nohdar@gmail.com	
11	Programme Assistant (Computer)	Sri Prafulla Kumar Sio	Programme Assistant (Computer)		Pay Level -6	-	62,200	01-02-2007	Permanent	Others	7717760574	prafulsio@gmail.com	
12	Stenographer	Sri Rahul Ray	Stenographer		Pay Level -4	-	33,300	01-09-2015	Permanent	OBC	8292455031	rhl131993@gmail.com	
13	Driver	Sri Amit Bhattacharjee	Driver		Pay Level -3	-	37,200	01-11-2007	Permanent	Others	7903152868	amitranchi.92@gmail.com	
14	Driver	Sri Rajendra Mahto	Driver		Pay Level -3	-	23,800	21-01-2021	Permanent	OBC	6204724057	Rajendramahto2148@gmail.com	

15	**Supporting Staff**	**Sri Mohan Mahto**	**Supporting Staff**		**Pay Level -1**	**-**	**30,600**	**01-02-2007**	**Permanent**	**OBC**	**9905718301**	**mohanmahto2015@gmail.com**	
16	**Supporting Staff**	**Sri Deepak Pahan**	**Supporting Staff**		**Pay Level -1**	**-**	**22,100**	**01-04-2017**	**Permanent**	**ST**	**7739492674**	**d.pahan@gmail.com**	

1.6. Total land with KVK (in ha) : 47.08

S. no.	Item	Area (ha)
1	Under Buildings	0.18
2.	Under Demonstration Units	1.95
3.	Under Crops	9.304
4.	Horticulture	15.96
5.	Pond	4.65
6.	Others if any Agro Forestry	15.04
	Total	47.08

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding		Stage					
				Complete			Incomplete		
		ICAR	RKVY/ RKMA/ Others	Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	-	1988	1328	-	-	-	Completed
2.	Farmers Hostel	ICAR	-	2014	788	-	-	-	Completed
3.	Staff Quarters (6)	ICAR	-	1995	621	-	-	-	Completed
4.	Fencing		RKMA			-	-	-	Completed
5.	Rain Water harvesting system	ICAR		2017	8775	-	-	-	Completed
6.	Threshing floor		RKVY		567	-	-	-	Completed
7.	Seed processing unit & Seed Godown		Dept. of Agril.and Sugarcane Development, Jharkhand	2009	137.44	-	-	-	Completed
8.	Dairy Unit		RKMA		580	-	-	-	Completed
9.	Poultry Unit		RKMA		440.77	-	-	-	Completed
10.	Goatery Unit	ICAR		2019-20	376	-	-	-	Completed
11.	Mushroom Lab		RKMA		22.89	-	-	-	Completed
12.	Mushroom Production Unit		RKMA		31.24	-	-	-	Completed
13.	Soil Test Lab		RKMA		219.52	-	-	-	Completed

14.	Agriculture Museum		BOI, Ranchi			-	-	-	Completed
15.	Paddock	ICAR				-	-	-	Completed
16.	Poultry Unit	ICAR				-	-	-	Completed
17.	Skill Development training center		Rail Vikas Nigam Ltd., Ranchi		333	-	-	-	Completed
	Other					-	-	-	

B) Vehicles

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on December, 2024	Present status
Bike (Honda) Jh01BT 8134	2015	ICAR	52563.00	75000	Good
Bike (Honda) JH01BT3089	2015	ICAR	52563.00	72000	Good
Tractor JH01AJ6173	2010	ICAR	528847.00	1850 (hrs)	Good
Jeep (Bolero)	2024	ICAR	900000.00	10698	Good

C) Equipment's & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Self-Propelled Power Reaper	2011	102000	Working condition
Thresher	2010	102000	Working condition
Rotary Tiller (Chain Drive)	2011	69120	Working condition
Renewable Energy Devices	2016	840000	Working condition
Paddy cum Multicrop Thresher	2016	185000	Working condition
Dryer Machine	2017	93633	Working condition
Egg Hatcher Machine & Incubator	2018	432259	Working condition
Pulverizer Machine	2017	28258	Working condition
Milking Machine	2017	95000	Working condition
Vertical Autoclave with Timer	2018	108560	Working condition
Mud Pump	2018	30044	Working condition
Refrigerator	2018	14690	Working condition
Duplex Printer cum photocopier	2019	51271	Working condition
Scanner	2019	8350	Working condition
Grain Cleaner Machine	2019	52500	Working condition
Desktop set	2019	88850	Working condition
Printer cum Scanner	2023	19100	Working condition
Solar System	2023	560000	Working condition
Desktop set	2023	100840	Working condition
Desktop Set	2024	151100	Working condition

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

Sl.No.	Date
1. Scientific Advisory Committee	18-04-2026

Suggestions of SAC meeting

1. It was suggested to include soil analysis data in all OFT, FLD and CFLD program.
2. It was suggested that the results of girdling experiments should be shared with the extension system for wider dissemination.
3. It was recommended that in OFT on assessment of drought tolerant varieties of rice under rainfed medium land, data related to rainfall and dry spells should be clearly included in the results.
4. It was suggested to proper photographic documentation of OFT, FLD, and CFLD should be maintained to correlate with interventions.
5. It was suggested that during scientist visits to farmers' fields under OFT, non-participating farmers should also be invited to observe findings.
6. It was suggested that findings of technologies assessed and demonstrated by KVK may be published by KVK with convergence of other stakeholders for large area dissemination.
7. It was suggested that the findings of OFT on Jackfruit processing should be included as part of RY training.
8. It was emphasized that in FLD on Nutri Garden, details such as age of family members, vegetable preferences, age-wise nutritional requirements, involvement of horticulturist and agronomist, and inclusion of biofortified varieties should be ensured.
9. It was suggested that in FLD on mushroom production, detailed data should be recorded.
10. In FLD the cost of cultivation should be based on actual farmer-incurred expenses.
11. It was suggested that detailed technology descriptions must be mentioned in FLD and CFLD programs.
12. It was suggested that the findings of Goatery Housing Management with raised platform technique should be documented and published.
13. It was suggested that in OFT on aphid management in mustard, stages of application of bio-pesticide should be mentioned.
14. It was instructed to replace saw dust treatment with suitable locally available substrate material from OFT related to substrate assessment for mushroom production.
15. It was emphasized that OFT on vegetable transplanting should incorporate comprehensive drudgery-related parameters.
16. It was suggested that the timing, location, and title of training programs should be properly aligned and correlated.
17. It was recommended that RY training programs should focus on unemployed rural youth.
18. It was recommended that KVK should focus on nutri-cereals crop production and value addition.
19. It was suggested that progressive farmers and farm women should be encouraged to share their success stories through All India Radio and Doordarshan.
20. It was recommended that a systematic methodology should be adopted, including problem diagnosis, prioritization, and development of problem-cause diagrams.

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**	**FS-1-** Vegetables- Agriculture- AH **FS-2:** Agriculture- Animal Husbandry	Red laterite sandy/ sandy loam soil
2	**AES 2**	**FS-1:**Agriculture- Hort- Animal Husbandry **FS-2:** Agriculture- Animal Husbandry	Red laterite sandy/ sandy loam soil
3	**AES 3**	**FS-1:** Agriculture-Hort-Animal Husbandry **FS-2:** Agriculture- Animal Husbandry	Red laterite sandy/ sandy loam soil

b) Land Characteristics

S.No	Agro-Ecological Situation (AES)	Topography	Drainage
1.	**AES-1**	Undulating uplands (*Tand*)	Well drained
2.	**AES-2**	Gently sloping (*Don*)	Moderately drained
3.	**AES-3**	Flat, low-lying (*Garha*)	Poorly drained

c) AES-wise major problems

S.No.	Agro-Ecological Situation (AES)	Major problems	Rank
1.	**AES-1 (**Chanho, Mandar, Bero, Ratu, Kanke, Ormanjhi, Burmu, Namku, Angra, Tamar**)**	Soil erosion due to high runoff and slope	4
		Low soil fertility (acidic soil)	2
		Lack of irrigation	1
		Drought risk and mono-cropping dependency	3
2.	**AES-2 (**Angara, Namkum, Silli, Ormanjhi, Tamar, Bundu, Sonahatu**)**	Limited irrigation facilities	1
		Nutrient deficiency (NPK and micronutrients)	2
		Low productivity of paddy	3
3.	**AES-3 (** Lapung, Erki, Burmu**)**	Poor drainage and frequent waterlogging	1
		Soil hard pan formation	2
		Pest and disease incidence in paddy	3
		Post-harvest losses of vegetables	4

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
	Field Crops					
1.	Rice	156814	509.64	32.50	21.6	22.5
2.	Mustard	26553	30.64	10.66	2.89	4.34
3.	Wheat	24780	23.54	25.0	-	25.0
4.	Gram	13670	16.40	12	1.7	8.0
5.	Pigeon pea	9740	8.76	9	3.5	9.0
6.	Finger millet	4632	3.93	8.5	9.25	17.5
7.	Black gram	10025	8.02	8	-	3.0
8.	Green gram	1461	1.16	8	1.6	3.0
9.	Maize	7813	21.87	28	-	-
10.	Ground nut	1155	9.81	9.5	-	15.5
	Vegetables					
1.	Beans	30006	55550.10	41.51	-	-
2.	Tomato	3950.76	41723.65	135.61	-	-
3.	Okra	2620.31	39278.23	149.90	-	-
4.	Cucumber	2455.16	28916.71	117.78	137.76	
5.	Potato	13679.13	200323.41	146.87	-	-
6.	Cauliflower	8050.56	141978.11	176.36	-	-
7.	Cabbage	6612.35	113885.64	172.23	-	-
8.	Onion	4865.86	105691.46	217.21	-	-
9.	Pea	3571.61	42790.07	139.80	-	-
10.	Ridge & Sponge gourd	3825.67	30825.79	80.58	-	-
11.	Bottle gourd	2201.53	26318.69	119.55	-	-
12.	Bitter gourd	1120.45	8951.02	79.89	-	-
	Fruit Crops					
1.	Mango	4071.91	51210.40	125.77	-	-
2.	Guava	2732.59	34240.36	125.30	-	-
3.	Papaya	1052.81	1320.83	12.55	-	-
4.	Litchi	1016.31	13560.14	13.343	-	-

Source: District agriculture department.

2.3. Weather data (2025-26)

Year	Month	Rainfall (mm)	Temperature ^{0}C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
2025-26	January	0.0	23.1	6.4	86	70
	February	4.0	25.8	14.0	86	69
	March	52.8	29.8	17.0	86	70
	April	48.6	35.5	21.2	87	70
	May	76.0	35.8	23.5	87	70
	June	982.6	32.7	21.5	87	71
	July	563	26.6	16.3	87	71
	August	360.1	27.9	21.6	86	70
	September	400.6	28.4	19.9	86	70
	October	61.6	27.0	16.3	86	70
	November	4.0	24.5	10.1	86	70
	December	0.0	21.8	5.1	87	70

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

Category	Population	Production	Productivity	Productivity gap
Buffalo	**125153**	179439 lakh LPD	-	-
Cattle	**636402**		-	-
Crossbred	127281		-	-
Indigenous	509121		-	-
Goat	784961	5368 mt meat	-	-
Sheep	39719	-	-	-
Pigs	68396	-	-	-
Poultry	2376524	105 lakh eggs	-	-
Indigenous	509121		-	-

Category		Production (q)	Productivity	
Fish (Reservoir)		-	-	-

*Statistical report

2.5 Details of Operational area / Villages

Taluka	Block	Village	Major Crops & Enterprises	Existing Yield (q/ha, number/year)	Major Problem Identified	Identified Thrust Areas
Ranchi	Burmu	Gutru	Paddy Maize Pigeon pea Backyard Poultry	30 25 7.5 35/year	Low productivity, erratic rainfall	Improved seed, moisture conservation, pest management
Ranchi	Burmu	Chaingara	Paddy Mustard Goat Rearing	25 8 2/year	Lack of quality inputs, livestock disease	INM, ICM, livestock vaccination
Ranchi	Burmu	Mahadevtoli	Paddy Tomato Brinjal	28 275 254	Unscientific practices, low market linkage	Vegetable training, IPM, FPC formation
Ranchi	Burmu	Soba	Paddy Maize Goat Rearing	28 22 3/year	Poor animal health, soil erosion	Stall feeding, fodder devt, soil conservation
Ranchi	Burmu	Lawagarha	Paddy Niger Backyard Poultry	26 4.5 30/year	Traditional variety, poor soil fertility	Improved variety, INM, poultry housing
Ranchi	Burmu	Murgi	Paddy Pigeonpea Mustard	26 7 7.5	Weed infestation, low nutrient efficiency	Weed management, micronutrient application
Ranchi	Burmu	Usku	Paddy Tomato Goat Rearing	25 265 3/year	Irregular rainfall, goat mortality	Drip irrigation, animal health camps
Ranchi	Burmu	Baraudi	Paddy Brinjal Backyard Poultry	27 270 **30/year**	Pest attack, lack of awareness	Farmer training, bio-pesticides, poultry vaccination
Ranchi	Mandar	TangarBasli	Paddy Tomato	30 245	Soil erosion, pest in tomato	Soil conservation, IPM
Ranchi	Mandar	Pungi	Paddy Wheat Backyard Poultry	24 18 36/year	Low productivity, weak poultry health	Varietal demo, poultry vaccination
Ranchi	Lapung	Balandu	Paddy Musatard Onion Black gram Goat Rearing	28 9 217 7 2/year	Waterlogging, disease in goats	Drainage, goat health management
Ranchi	Lapung	Katingdari	Paddy Ragi Backyard Poultry	22 8 45/year	Soil fertility, traditional poultry breeds	Soil testing, improved breeds
Ranchi	Angara	Kuturlowa	Paddy Tomato Goat Rearing	28 256 10/year	Disease infestation	IPM, vet care

Ranchi	Angara	Sursu	Paddy Mustard Backyard Poultry	28.5 6 47/year	Unscientific management	Training, improved seed
Ranchi	Angara	Hundaru	Paddy Maize Goat Rearing	28 22 9/year	Lack of irrigation	Water harvesting, demo
Ranchi	Angara	Jaratoli	Paddy Brinjal Backyard Poultry	26 245 48/year	Pest & disease	Pest control, poultry care
Ranchi	Angara	Soso	Paddy French Bean Goat Rearing	25 10 11/year	Nutrient imbalance	Soil testing, IPM
Ranchi	Angara	Dublabera	Paddy Cauliflower Backyard Poultry	27.5 52/year	Pest, low egg production	Poultry care, resistant variety
Ranchi	Angara	Kanshidih	Paddy Tomato Goat Rearing	24 265 2/year	Marketing issues	Aggregation, FPO
Ranchi	Kanke	Rarha	Paddy Mustard Backyard Poultry	23 9 30/year	Input cost, pest	INM, low-cost IPM
Ranchi	Nagri	Palandu	Paddy Cauliflower Backyard Poultry	24 130 36/year	Low productivity due to pest, poor poultry shed	IPM in vegetables, poultry housing, varietal replacement
Ranchi	Nagri	Kudlung	Paddy French Bean Goat Rearing	28.5 9 9/year	Poor soil health, lack of veterinary care	Soil health cards, balanced fertilization, deworming
Ranchi	Chanho	Sukurhuttu	Paddy Wheat Backyard Poultry	26.5 22 38/year	Low productivity, pest incidence	IPM, improved seed, poultry vaccination
Ranchi	Chanho	Lundari	Paddy Maize Goat Rearing	25 22 2/year	Fodder scarcity, poor animal health	Fodder development, livestock health camp
Ranchi	Chanho	Harra	Paddy Black gram Backyard Poultry	21.5 6.5 35/year	Waterlogging, unbalanced fertilization	Drainage, INM
Ranchi	Chanho	Nanhu	Paddy Tomato Goat Rearing	23 260 2/year	Pest & disease infestation, lack of awareness	Training, IPM, goat vaccination
Ranchi	Chanho	Madhukama	Paddy Mustard Backyard Poultry	22.5 7.9 39/year	Soil degradation, low poultry egg production	Organic input use, breed improvement
Ranchi	Chanho	Ranichauraya	Paddy Maize Goat Rearing	24.5 24 3/year	Erratic rainfall, limited veterinary services	Water harvesting, mobile vet unit
Ranchi	Chanho	Taranga	Paddy French Bean Backyard Poultry	25 9 32/year	Lack of market linkage, pest attack	Market-led extension, pest monitoring

Ranchi	Chanho	Ralo	Paddy Cauliflower Goat Rearing	22 220 3/year	Unavailability of quality seed	Improved seed supply chain, breed selection
Ranchi	Chanho	Badhya	Paddy Ragi Backyard Poultry	24 9 33/year	Low soil fertility, limited poultry feed	Compost use, poultry feed formulation
Ranchi	Chanho	Choliyo	Paddy Tomato Goat Rearing	25.5 250 2/year	Pest, lack of marketing	IPM, aggregation through FPC
Ranchi	Chanho	Mathatoli	Paddy Brinjal Backyard Poultry	27 240 32/year	Low productivity, poor disease control	Resistant varieties, vaccination
Ranchi	Chanho	Gutuwa	Paddy Mustard Goat Rearing	24.5 8 3/year	Traditional variety, low adoption of tech	Crop demonstration, deworming
Ranchi	Chanho	Choreya	Paddy Maize Backyard Poultry	25 21 32/year	Low nutrient use efficiency	Balanced nutrient application
Ranchi	Chanho	Lepsar	Paddy Niger Goat Rearing	22 4 2/year	Small holdings, fodder scarcity	Group approach, fodder plot development
Ranchi	Chanho	Ranichancho	Paddy Tomato Backyard Poultry	23.5 255 36/year	Low productivity, pest infestation	IPM, varietal improvement
Ranchi	Chanho	Hara	Paddy Vegetable Pea Goat Rearing	25 18 3/year	Poor disease management	Training on livestock health & crop protection
Ranchi	Chanho	Chaliyo	Paddy Brinjal Backyard Poultry	24.6 245 35/year	High pest incidence in vegetables	Pheromone trap, neem-based pesticides
Ranchi	Chanho	Karkat	Paddy Chilli Goat Rearing	23 190 2/year	Low irrigation facility	Drip irrigation, farm pond

2.6 Top five major priority thrust areas:

i. Enhancing Climate resilience

ii. Soil and Water Conservation

iii. Soil Health and Nutrient Management

Iv. Farm mechanization

v. Post- Harvest Management and Value Addition

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
12	118	277.5	9	1005

Training	Extension Activities

(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
297	8520	299	69501

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
57626	41616	20501	511

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	Soil & Water conservation Conservation	Mango	Poor fruit set and development	Assessment of mulching materials in mango to ensure good quality yield	-	Installation, operation of micro irrigation system	Installation, operation of micro irrigation system	Farmer Scientist Interaction	Tephrosia Seed
		Litchi	Moisture stress	Assessment of mulching and boron application to improve fruit quality of litchi	-	-	-	Training, Scientist Visit to Farmers' Field	Litchi plants, Mulching material
		Natural farming	High chemical input use leading to deterioration of soil health	-	-	Natural farming practices for Healthy soil and healthy vegetables	Natural farming practices for Healthy soil and healthy crops	Awarenes s programs , Trainings, Scientiest -Farmers Interactio n, Kisan Goshti etc.	-
3	Enhancing climate resilience	Rice	Intermittent drought and reduction in number of rainy days leading to moisture stress	Assessment of drought tolerant varieties of rice under rainfed medium land	Climate resilient variety of rice CR Dhan 214	Climate resilient technologies for sustainable production under Integrated Farming System	Climate resilient and bio-fortified varieties of cereals, pulses and vegetables	Training, Field Day	Rice Seed
		Mustard	Low yield	-	Demonstratio n of yield enhancement of rapeseed-mustard through innovative transplanting technique in Ranchi	-	-	Training, Farmers Scientist Interactio n, Scientist Visit to Farmers Field, Field day	-

		Gram	Low yield due to late sowing	-	Demonstraton of Gram var. Swarna Lakshmi	-	-	Training, Farmers Scientist Interaction, Scientist Visit to Farmers Field, Field day	Seed of Swarna Lakshmi
		Rice	Low availability of quality seed material	-	-	Seed production, Processing and storage technique in Kharif crops	-	Kisan Goshti, Farmers Scientist Interaction	-
		Rice, Pulses, oilseed etc.				Selection of suitable improved varieties of Rabi Crops and seed production technologies	-	Kisan Goshti, Farmers Scientist Interaction	-
5	Animal Health improvement	Pig	Nutrient deficiency	Assessment of the effect of different weaning periods in cross bred piglets	-	-	-	Training, Scientist Visist to Farmers' Field etc.	Concentrate feed mixture
7	Crop protection	Vegetable crops	Yield loss due to high incidence of pest and diseases	Assessment of efficacy of nano urea to supplement recommended dose of nitrogen in rice.	-	Training on pest management of kharif crops	FLD pod borer management in pigeon pea	-	Pesticdes
		Cucurbits vegetable	Yield loss due to high incidence of pest and diseases	-	-	Major insect-pest of cucurbits and their management	-	Farmers-Scientist Interaction, Ex-trainees Sammelan	-
		Brinjal	Yield loss due to high incidence of pest and diseases	-	-	**Major insect pest and disease of brinjal crops and its IPM technique**	-	Farmers-Scientist Interaction, Ex-trainees Sammelan	

		Tomato	Yield loss due to high incidence of pest and diseases	-	-	IPM and IDM in tomato crop		Farmers-Scientist Interaction, Ex-trainees Sammelan	
		Rice	Yield loss due to high incidence of pest and diseases	-	-	Major insect pest of paddy & their management	-	Farmers-Scientist Interaction, Ex-trainees Sammelan	
		Maize	Yield loss due to high incidence of pest and diseases	-	-	Major insect-pest of maize and their management	-	Farmers-Scientist Interaction, Ex-trainees Sammelan	
		Mango	Yield loss due to high incidence of insect-pest	-	-	IPM in Mango crop	-	Farmers-Scientist Interaction, Ex-trainees Sammelan	
8		Mustard	Low yield of Mustard	Assessment of Eco-friendly Management practices of Aphid in mustard.	-	IPM and IDM in mustard &wheat crop	-	Farmers-Scientist Interaction, Ex-trainees Sammelan	Bio-pesticides
9		Pigeon Pea	Yield loss in pigeon pea	Assessment of different insecticidal molecules to control Pod borer complex in pigeon pea.	-	Pod borer management in pulses	-	Farmers-Scientist Interaction, Ex-trainees Sammelan	Insecticide

10	Deveopment of Agri-entrepreneurship	Oyster mushroom	Low yield due to Compaction and lack of aeration	Assessment of substrate combinations to increase the profitability of Oyster Mushroom production	Demonstration of oyster mushroom production in reusable plastic buckets -	Training on Commercial Mushroom Produciton	-	Training, Farmers Scientist Interaction, Scientist Visit to Farmers Field, Field day	Substrates
11	Farm Mechanization	Vegetable transplanter	Drudgery discourages younger generations, leading to labor shortage in agril	Assessment of vegetable transplanter to reduce drudgery	-	-	-	Training, Scientist Visit to farmers Field	-Vegetable transplanting digger, Hand held seedling Transplanter
12	Weed Management	Rice	Reduced tillering leading to low yield	Assessment of herbicide application for effective weed management in upland rice	-	-	-	Training, Scientist Visit to Farmers Field	
13	Soil Health and Nutrient Management	Rice	Zinc deficiency in low land	Assessment for control of khaira disease of rice through different sources of Zinc	-	-	Certificate course on balanced use of fertilizers	Training, Scientist Visit to Farmers Field	Zinc Solubilizing Bacteria (ZSB)
	Good Agricultural/ Horticultural practices	Finger millet	Low yield	--	HYV of Finger millt madua BM 3	Improved package and practices of commercial vegetable production	Good Horticultural Practices to increase quality yield from horticultural crops	Training, Farmers Scientist Interaction, Scientist Visit to Farmers Field, Field day	Seed of BM 3 Finger millet
		Fruit crops	Low profit in mono planting	-	-	Adoption of multilayer planting to maximize output from fruit orchard	-	Ex-trainees sammelan, Kisan Goshthi, Farmers' Scientist Interaction etc.	-
		Cucurbits	Low profit in directo sown crops		Demo. of nursery raising of cucurbits in low tunnel	-	-	-	

	Natural Resource Management	Bee keeping	Low output against the potential	-	-	Income generation through Italian bee keeping			
		Lac Produciton	Low yield per plant due to high incidence of predator insect	-	-	Income generation through commercial lac production			
	Animal Health Management	Poultry	Low return from traditional poultry practices	-	-	Training on income generation through backyard poutry			
		Livestock	Low return from traditional dairy practices	-	-	Housing and Nutrition management for dairy animals	Health management of livestock		
			Low availability of green fodder	-	-	Round the year fodder production for milch animals		Farmers-Scientist Interaction, Ex-trainees Sammelan	
			Poor animal health	-	-	Importance of dewormer and vaccination in livestock		Farmers-Scientist Interaction, Ex-trainees Sammelan	
			High incidence of mastitis	-	-	Mastitis in milch animals		Farmers-Scientist Interaction, Ex-trainees Sammelan	
			Imbalanced Feed management	-	-	Importance of balance ration in livestock		Farmers-Scientist Interaction, Ex-trainees Sammelan	

		Goatery	Low profitability of traditional practices	-	Demo. of Concentrate ration feeding in pregnant does (Steaming Up)	Commercial goat farming-supplementary source of income generation.	-	Field day Farmers-Scientist Interaction, Ex-trainees Sammelan,	Goat feed
			Poor housing management	-	-		Scientific management of goat farms	Farmers-Scientist Interaction, Ex-trainees Sammelan	-
		Piggery	Low productivity with traditional practices	-	-	Integrated management of a pig farm to ensure high commercial return	-	Farmers-Scientist Interaction, Ex-trainees Sammelan	-
	Food processing and value addition	Millets	Low awareness about millet processing	-	-	Income generation through preparation of millet based bakery products	Millet processing based enterprise development	Farmers-Scientist Interaction, Ex-trainees Sammelan,	-
		Fruit crops	Low awareness about fruit processing	-	-	Value addition of fruit crops		Farmers-Scientist Interaction, Ex-trainees Sammelan	-
		Tamarind	-	-	Demonstration of value addition of tamarind (*Tamarindus indica* L.)	-	-	-	-

		Fruits and vegetables	Low awareness about fruit & vegetable processing	-	-	Minimal processing of fruits and vegetables	-	Farmers-Scientist Interaction, Ex-trainees Sammelan, National Women's Day	-
	Women empowerment	Agri-based food enterprise	Low earning scope for women in traditional farming	-	-	Agri-Based Food entrepreneurship for Rural Women	-	Farmers-Scientist Interaction, Ex-trainees Sammelan, National Women's Day	-
	Balancing rural diet	Nutri-garden	Low rate of balanced consumption of fruits and vegetables in rural families	-	Demonstration of Nutri-Garden for Rural Family	-	-	Training, Farmers Scientist Interaction, Scientist Visit to Farmers Field, Field day Poshan, Abhiyan	Seed, Pro tray, 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	-	-	-	-	-	-	-	-	1
Weed Management	1	-	-	-	-	-	-	-	-	1
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	1	-	-	-	-	-	-	-	-	1
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	1	-	-	-	-	1
Drudgery reduction	-	-	-	-	1	-	-	-	-	1
Farm machineries	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	1	-	-	1	-	-	-	-	-	2
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	2	-	-	-	2

Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
TOTAL	4	-	-	1	2	2	-	-	-	**9**

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

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

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

OFT-1: Plant Breeding

Crop	Rice
Season	Kharif
Main problem	Low Productivity
Main cause	Intermittent drought and reduction in number of rainy days leading to moisture stress
Title of OFT	Assessment of drought tolerant varieties of rice under rainfed medium land
Farming situation	Sandy loam soil, medium land, rain fed farming, Previous crop : Mustard
Thematic area	Crop production
Farmer practice	T1: Drought tolerant var. IR 64 drt 1 (ICAR-IIRR, Hyderabad - 2014)
Technology option selected for assessment	T2: Drought tolerant var. CR Dhan 804 (ICAR-CRURRS, Hazaribagh 2024) T3: Drought tolerant var. Sabour Kunwar Dhan (VKSCA, BAU Sabour – 2025)
Source of technology	T1: ICAR-Indian Institute of Rice Research, Hyderabad T2 : ICAR- NRRI- Central Rainfed Upland Rice Research Station, Hazaribagh, Jharkhand T3: Veer Kunwar Singh College of Agril., BAU Sabour.
No of trial	10 (1.2 ha)
Detail of critical input	Seed
Cost of individual critical input	Rs. 250
Total cost of critical input	Rs. 250 X 10 trials = 2500
Performance indicator to be recorded	Technical indicator: Plant height, No. of tillers/plant, Panicle length, grains per panicle, Yield (Q/ha), Maturity duration Economic indicator: Gross cost, Gross return, Net return, B:C ratio

OFT-2:Horticulture

Crop	Mango
Season	Rabi 2026
Main problem	Poor fruit set and development
Main cause	Soil moisture stress
Title of OFT	Assessment of mulching materials in mango to ensure good quality yield
Farming situation	Soil type (Acidic), irrigation type (Rainfed), Season (Kharif), Previous crop (Mango)
Thematic area	Soil Moisture Conservation

Farmer practice	FP : No mulching or litter fall of trees
Technology option selected for assessment	TO 1 : Tephrosia 7.5 kg fresh biomass/m2 canopy – (Plant Spread) TO 2 : Plastic mulching (50 micron) TO 3 : Paddy straw mulching 15 cm thick (Plant spread)
Source of technology	ICAR RCER FSRCH & PR, Ranchi (2024)
No. of trials	8
Detail of critical input	Tephrosia Seed, Plastic Mulch (50 micron)
Cost of critical input	Tephrosia seed: Rs. 600, Plastic Mulch: Rs. 3212 (Total - Rs. 3812)
Total cost of critical input	Rs. 15000/ha (for 400 plants planted at 5 x 5 m distance)
Performance indicator to be recorded	Soil Moisture %, Weed Count at 3-4 intermittent stage at one month interval, NPK status (Pre & Post), Yield (kg/plant), Economics (Rs./ha), Farmer perception

OFT- 3: Horticulture

Crop	Litchi		
Season	Rabi		
Main problem	Reduced marketable yield		
Main cause	Moisture stress along with boron deficiency leads to cracking of fruits		
Title of OFT	Assessment of mulching and boron application to improve fruit quality of litchi		
Farming situation	Soil type (Acidic), irrigation type (Rainfed), Season (Kharif), Previous crop (Mango)		
Thematic area	Fruit Quality Improvement		
Farmer practice	T1 : Leaf litter fall		
Technology options	T2 : Plastic mulching 50 micron + 4 g/litre borax spray (15, 30 & 45 Days after fruit set) T3 : Paddy Straw Mulching 15 cm thick + 4 g/litre borax spray (15, 30 & 45 days after fruit set)		
Source	ICAR NRC on litchi, Muzaffarpur, Bihar (2018)		
No. of trials	8		
Critical input	Borax, Plastic Mulch (50 micron)	Cost	Borax : Rs. 500, Plastic mulch - 350
Total Cost	Rs. 4812.50 /ha (for 100 plants planted at 10x10 m distance)		
Performance indicator	Pre & Post NPK status, Soil Moisture %, Weed Count at 3-4 stages at one month interval, Fruit Cracking (%), Fruit Weight (g), Yield (kg/plant), Economics (Rs./ha), Farmer perception		

OFT-4: Animal Husbandry

Animal	Pigs
Season	Winter
Main problem	Lower growth rate of piglets
Main cause	Nutritional deficiency
Title of OFT	Assessment of the effect of different weaning periods in cross bred piglets.
Farming situation	Semi intensive farming system
Thematic area	Production management
Farmer practice	T1: piglets remain with sow till natural weaning (weaning generally after 60days or more)
Technology options	T2: weaning 49days after farrowing with creep ration (quantity-@5% of B. weight) T3: weaning 42days after farrowing with creep ration (quantity-@5% of B. weight)

Source	Birsa Agricultural University, Piggery unit, Ranchi (2021)		
No. of trial	21		
Critical input	Concentrate feed mixture		
Critical input	Rs.450-500/piglet	Total cost	Rs. 12500/- approx
Indicator	Growth rate of piglets, rate of mortality, B:C ratio, Farmer perception		

OFT-5: Animal Husbandry

Animal	Goats		
Season	Winter		
Main problem	Lower growth rate of kids		
Main cause	Nutrient deficiency		
Title of OFT	Assessment of deoiled Mahua seed cake in kids concentrate ration		
Farming situation	Semi intensive farming system		
Thematic area	Nutritional management		
Farmer practice	T1: Free- range grazing + Use of agri by products and kitchen waste as per availability		
Technology options	T2: FP + type 1 ration (Maize-45 W.B-32 GNC-20 DMSC-00 M. mix-2 C.salt-1) CP% 17.42 T3: FP + type 2 ration. (Maize-48 W.B-09 GNC-20 DMSC-20 M.mix-2 C.salt-1) CP%-17.50 (Quantity of ration @3% of B. weight, 50% in morning and 50% in evening)		
Source	Birsa Agricultural university, Ranchi, 2003, Jharkhand		
No of trial	21		
Critical input	Concentrate feed mixture		
Cost	T1: Rs. 500 and T2: Rs.400	Total cost	Rs. 13000/-
Performance indicator	Technical indicator:Fortnightly body weight of kids Economic indicator : B:C ratio (iii) Farmer perception		

OFT-6: Plant Protection

Crop	Okra
Season	Kharif
Main problem	Yield loss in Okra (35-40 %)
Main cause	High infestation of Jassids (Leaf hopper)
Title of OFT	Assessment of different insecticides molecules against infestation of jassids in okra
Farming situation	Sandy loam, Upland, Irrigated, Kharif
Thematic area	Pest Management
Farmer's practice	T1: Two sprays of Imidacloprid (1 ml/3 L of water) @ 15 Days interval
Technology options	T2: Two sprays of Tolfenpyrad 15% EC (2 ml/L of water) @ 15 Days interval T3: Two sprays of Flupyradifurone 17.09% w/w SL (2.5 ml/L of water) @ 15 days interval
Source	ICAR-IIVR, Varanasi, Uttar Pradesh (2023)
No. of trials	10 (Total area - 0.4 ha)

Critical input	Pesticides	Cost	Rs. 500 X 10 trials = Rs. 5000
Performance indicator	Pest incidence (%) (ii) Reduction in pest severity (%) (iii) Yield (t/ha) (iv) B:C ratio		

OFT-7: Plant Protection

Crop	Mustard				
Season	Rabi				
Main problem	Yield loss in Mustard				
Main cause	Delayed sowing of mustard leading to high infestation of Aphid (25-35 %)				
Title of OFT	Assessment of Eco-friendly Management practices of Aphid in mustard				
Farming situation	Sandy loam, Upland, Irrigated Farming, Previous crop - paddy				
Thematic area	Integrated pest Management				
Farmer's practice	T1: Spray of Imidacloprid @1 ml/3L of water (Thrice)				
Technology options	T2: Safflower as border crop (Mustard: Safflower - 40: 1) along with foliar application of Lantana camara leaf extract @ 1 % @15 days interval T3: Two spray of Dashparni @ 40 ml/L of water @ 15 days interval				
Source of Technology	T2 : BAU, Sabour, 2018	T3 : TNAU, Coimbtore, 2018			
No. of trials	10 (Total area :1.2 ha)				
Critical input	Bio-pesticides	Cost of critical input	Rs. 700	Total cost	7000
Performance indicator	Pest incidence (%), Reduction in Disease severity (%), Yield (t/ha), B:C ratio				

OFT-8: Home Science

Enterprise	Oyster mushroom		
Season	Rabi		
Main problem	Low yield due to Compaction and lack of aeration		
Main cause	High moisture and methane retention in paddy straw substrate		
Title of OFT	Assessment of substrate combinations to increase the profitability of Oyster Mushroom production		
Farming situation	Home stead production system		
Thematic area	Mushroom production		
Farmer practice	T1: Use of single substrate - paddy straw		
Technology options	T2: Use of paddy straw and Sesame straw as substrate (1:1) T3: Use of paddy straw, Sesame straw and corn cobs as substrate (1:1:1)		
Source of technology	IGKV, Raipur, Chhattisgarh (2024)		
No. of trials	10		
Critical input	Substrates		
Cost of critical input	Rs. 500	Total cost of critical input	Rs. 5,000
Performance indicator	i. Mycelial growth, ii. Fruiting initiation, iii. Mushroom yield iv. B:C ratio		

OFT-9: Home Science

Crop	Vegetable
Season	Kharif

Main problem	Drudgery discourages younger generations, leading to labor shortage in agril.		
Main cause	Traditional transplanting involves bending posture and physical strain		
Title of OFT	Assessment of vegetable transplanter to reduce drudgery		
Farming situation	Sandy loam, Upland, Irrigated Farming, Season – Rabi, Previous crop - Vegetables		
Thematic area	Farm Mechanization & Ergonomic Intervention		
Farmer practice	**T1:** Manual transplanting of seedlings by hand (bending/squatting posture)		
Technology options	**T2:** Transplanting through Digger Machine **T3:** Improved hand-held seedling transplanter		
Source of tech.	Tamil Nadu Agricultural University (TNAU) (2024)		
No. of trial	10		
Critical inputs	Vegetable transplanting digger, Hand held seedling Transplanter		
Total Cost	Rs. 2000	Total cost	Rs. 20,000
Performance indicator	Time Save, Reduction in Man Power, Energy Expenditure Rate (EER), Cardiac Cost of Work (CCW), Rapid Entire Body Assessment (REBA), Rapid Upper Limb Assessment (RULA)		

OFT-10: Agronomy

Crop	Rice
Season	Kharif
Main problem	Reduced tillering leading to low yield
Main cause	High weed competition at tillering stage
Title of OFT	Assessment of herbicide application for effective weed management in upland rice
Farming situation	Soil: Laterite Soil, acidic, Land type: upland, Irrigation: Rain fed, Season: Kharif
Thematic area	Weed Management
Farmer practice	T1: Anjali Gora Dhan, RDF: 40: 20: 20 NPK kg + FYM 25 q per ha. with manual weeding
Technology options selected for assessment	T2: CR Dhan-807, RDF, Post early emergence application of imazethapyr 10% SL @ 1.0 lit./ha (1-2 leaf stage of weeds) and post emergence Florpyrauxifen – benzyl 2.13% + Cyholofop –butyl 10.64% EC @ 1.25 lit./ha (2-4 leaf stage of weeds) T3: CR Dhan-807, RDF, Pre-emergence application of Pyrazosulfuron ethyl (10% wp) @ 200g/ha (1-3 DAS) and Post –emergence application of Flopyrauxifen-benzyl +Penoxsulam (1.31%+2.1%) @ 2.0 lit./ha (25 DAS)
Source of technology	T2:ICAR-CRRI, Cuttack (2021) T3:AICRP-Birsa Agricultural University (2018), Ranchi, IGKVRaipur (2016) and TNAU(2013)
No. of trials	10 Total area: 1.0 ha
Detail of critical input	Herbicide : (imazethapyr 10%SL , Florpyrauxifen –benzyl 2.13% +Cyholofop –butyl 10.64% EC , –Pyrazosulfuron ethyl (10%wp)and Florpyrauxifen –benzyl 2.13% +Cyholofop –butyl 10.64% EC
Cost of individual critical input	Herbicide: Rs. 1500/ha, Total Cost of Critical Inputs Rs. 2000
Total cost of critical input	Rs. 2,000/ha
Performance indicator to be recorded	(i) Technical: No. of tillers/m²,Effective tillers, Weed Density: number of Weed/Square meter, Grains per panicle, Yield (Q/ha) (ii) Economic indicator :Cost of cultivation, Gross return, Net return& B:C ratio (iii) Farmer Perception:

OFT -11: Agronomy

Crop	Rice			
Season	Kharif			
Main problem	Low Yield			
Main cause	Zinc deficiency in low land			
Title of OFT	Assessment for control of khaira disease of rice through different sources of Zinc			
Farming situation	Soil: Sandy loam, Land type: Low land, Rain fed, Season: Kharif			
Thematic area	Integrated Nutrient Management (ICM)			
Farmer practice	T1: Variety - MTU 7029 with fertilizer dose (75:45:25 NPK kg/ha)			
Tech. options	T2 : Farmer practice with ZnSo4 @ 25 kg /ha T3 : Farmer practice and Seedling treatment with Zinc Solubilizing Bacteria (ZSB) solution (@ 10 g/lit. water) for 30 minutes			
Source	Assam Agricultural University Jorhat 2016			
No. of trials	10 (1.0 ha)	Critical input	Zinc Solubilizing Bacteria (ZSB)	Cost : Rs. 1375
Performance indicator	(i) Technical: No. of tillers/m²,Effective tillers, Grains per panicle Yield (Q/ha) (ii) Economic indicator: Gross cost, Gross return, Net return & B:C ratio (iii) Farmer Perception			

3.2 Frontline Demonstrations

A. Details of FLDs to be organized -

Sl. No.	Crop/Other	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified (Yield related attributes, yield economics and farmers' perception
1	Rice	Crop Production	Short duration climate Resilient rice CR Dhan 214	Rice variety CR Dhan 214	Kharif 2026	8.0 ha	20	No. of tillers/plant, grains per panicle, Yield (Q/ha), Cost of cultivation, Gross return, Net return, B:C ratio, pre and post soil analysis
2	Chickpea	Crop Production	high yielding nutri-rich chickpea variety Swarna Lakshmi.	Chickpea var. Swarna Lakshmi	Rabi 2026-2027	2.0ha	20	(I) Technical indicator- Plant Height, Pods/plant, Yield (Q/ha) (II) Economic indicator- Cost of cultivation, Gross return, Net return, B:C ratio
3	Pigeon pea	Pest Management	insecticidal management of Pod borer complex in pigeon pea	Insecticide	Kharif 2026	10.0 ha	25	I)Technical indicator- Pest Incidence %, Average yield (q/ha) II) Economic indicator - Cost of cultivation (Rs.), Gross return (Rs.), Net return (Rs.), B:C ratio III) Farmer's Feedback
4	Oyster Mushroom	Oyster mushroom production	Oyster Mushroom production in	Spawn and perforated Bucket	Rabi 2026	25nos.	25	I) Technical indicator: Pest Incidence %, Average yield (q/ha)

			perforated plastic buckets					II) Economic indicator: Cost of cultivation (Rs.), Gross return (Rs.), Net return (Rs.), B:C ratio III) Farmer's Feedback
5	Nutri-Garden	Fruits and vegetable production	Nutri-Garden to improve nutrition in rural farm families	Vegetable seed, fruit plants	Round the year productio n	30 nos.	30	Yield (kg/year including three seasons) Increase in household consumption of vegetables (kg/week) Reduction in expenditure on market vegetables
6	Tamarind	Value addition	value addition of tamarind (*Tamarindus indica* L.)		Summer 2026	20 nos.	20	Organoleptic evaluation of formulated product on a nine-point hedonic scale Appearance Colour Flavour Taste Texture Consistency And overall acceptability
7	Finger millet	Crop Production	HYV of finger millet with improved package of practices	Finger millet variety BM-3	Kharif 2026	10ha	25	Grain Yield (q/ha), Straw Yield(q/ha), Plant Height (cm), Cost of Cultivation(Rs /ha),Net Return (Rs /ha), BC Ratio, Farmer Feedback
					Total		**175**	

Sponsored Demonstration

Crop	Area (ha)	No. of farmers
Mustard	40	100
Rice var. CR Dhan 807	20	50

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Farmers Training on Selection of drought tolerant varieties in Kharif crops like paddy etc.	1	May	25
2.	Farmers Training on Improved varieties of gram and production technology	1	October	25
3.	Training on pest management of Kharif crop i.e. pigeon pea	2	June	50
4.	Farmers Training on Mushroom Production	1	October	25
5.	Farmers Training on Importance of balance ration in livestock	1	December	20
6.	Farmers Training on Smart Food Processing & Value Addition	1	October	20
7.	Farmers Training on Nutri-garden for ensuring balance diet Safe Food, Better Health	1	July	30
8.	Farmers training on Millet production Technology	1	June	30

9.	Farmers training on Protected nursery raising of vegetable crops like cucurbits in low cost poly tunnel	1	November	25
10	Farmers training on Improved package of practices in mustard crop for yield enhancement	3	October	100
11.	Follow up and Scientist visit to Farmer's field	20	June 26- Feb 27	100
12.	Field Day	9	OCT, Feb, Jan	800

C. Details of FLD on Enterprises

(i) Farm Implements

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

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Goat	Black Bengal	20	50 Goats	concentrate ration	Technical indicator- Birth weight of kids & growth performances Economic indicator –B:C ratio and Farmer Feedback

Details of all FLD in the given format

FLD 1

Title of FLD	Demonstration of short duration climate resilient rice variety CR Dhan 214 in rainfed condition of Ranchi District
Season & Year	Kharif 2026
Main Problem	Yield loss up to 23 percent
Main cause of problem	Soil moisture stress
Full detail of farmer's Practice	Variety: IR 64 drt-1, Seed rate: 50 kg (Av.), Transplanting: 25–30 days old seedlings in uneven spacing up to 15 August, Nutrient management: 40:20 kg NP/ha
Name of the Technology	Demonstration of short duration climate resilient rice variety CR Dhan 214
Full detail of technology to be demonstrated	Variety: Drought tolerant variety CR Dhan 214, Seed rate 40 kg/ha, Transplanting: 20-22 days old seedlings in July (20 x15 cm), Nutrient management: 80:40:30 Kg NPK/ha
Thematic area	Crop Production
Source of Technology with year	ICAR- NRRI CRURRS, Hazaribagh, Jharkhand (2024)
Name of villages	Agartoli, Angara

Farming situation	Red laterite soil, medium land, rain fed farming and previous crop mustard		
Area (ha)/Unit (No.)	8 Ha	No. of Farmers	20
Performance indicator	(I) No. of tillers/plant, grains per panicle, Yield (Q/ha), Cost of cultivation, Gross return, Net return, B:C ratio, pre and post soil analysis		

FLD 2

Title of FLD	Demonstration of high yielding nutri-rich chickpea variety Swarna Lakshmi.		
Season & Year	Rabi 2026-27		
Main Problem	Low yield		
Main cause	Delayed sowing of chickpea		
Farmer's Practice	Variety: KWR 108 (130-135 days crop duration), Seed rate: Broadcasting of seed @ 120 kg/ha (Mid November to Mid-December), Nutrient management: 25:50:25 kg NPK/ha		
Detail of tech.	Variety: Swarna Lakshmi (118 days), suitable for late sowing, Seed rate: Line sowing (30x15 cm) @ 80 kg/ha, Nutrient management: 25:50:25 kg NPK/ha Specific character: Rich in protein (>20%) and zinc (>42 ppm)		
Source of tech.	ICAR- RCER Patna (2024)		
Name of the tech.	Swarna Lakshmi		
Thematic area	Crop Production		
Name of villages	Chaingada and Karge		
Farming situation	Red laterite soil, medium land, irrigated condition and previous crop was paddy		
Area (ha)/Unit (No.)	2 Ha	No. of farmers	20
Performance indicator	(I) Technical indicator- Plant Height, Pods/plant, Yield (Q/ha) (II) Economic indicator- Cost of cultivation, Gross return, Net return, B:C ratio		

FLD 3

Title of FLD	Demonstration insecticidal management of Pod borer complex in pigeon pea.		
Season & Year	Kharif 2026		
Main Problem	Yield loss in pigeon pea (9-22 % pod damage and 5-14 % grain damage)		
Main cause of problem	High infestation of pod borer and pod fly		
Farmer's Practice	Two spray of chlorpyriphos 50 EC. dose		
Details of technology	Ist spray of Indoxacarb 14.5 SC @ 250 ml/ha at 50% flowering & 2nd spray Imidacloprid 17.8 SL @ 400 ml/ha (15 days after 1st spray)		
Source of Technology	BAU Sabour (2021)		
Name of the Tech.	Management of Pod borer complex in pigeon pea		
Thematic area	Pest management		
Name of villages	Usku & Makka (Burmu	Farming situation	Rainfed, Red laterite soil, upland land
Area (ha)	10 ha	No. of farmers	25

Performance indicator	Technical indicator- Pest Incidence %, Average yield (q/ha) II) Economic indicator - Cost of cultivation (Rs.), Gross return (Rs.), Net return (Rs.), B:C ratio III) Farmer's Feedback

FLD 4

Title of FLD	Demonstration of Oyster Mushroom production in perforated plastic buckets		
Season & Year	Rabi		
Main Problem	Low aeration and high non-biodegradable wastage		
Main cause of problem	Use of non-biodegradable single use plastic bags		
Farmer's Practice	Use of non-biodegradable single use plastic bags		
Full detail of technology	Oyster mushroom production in perforated plastic buckets		
Source of Technology	BAU Ranchi 2020		
Name of the Technology	Oyster mushroom production through bucket		
Thematic area	Oyster mushroom production		
Name of villages	Burmu	Farming situation	Rainfed
Area (ha)/Unit (No.)	25 nos.	No of farmers	25
Performance indicator	I) Technical indicator: Pest Incidence %, Average yield (q/ha) II) Economic indicator: Cost of cultivation (Rs.), Gross return (Rs.), Net return (Rs.), B:C ratio III) Farmer's Feedback		

FLD 5

Title of FLD	Demonstration of steaming up concentrate ration for pregnant does		
Season & Year	Rabi season & 2026-27		
Main Problem	Lower birth weight of kids		
Main cause of problem	Nutrients deficiency		
Full details of FP	Free- range grazing + Use of agri byproducts and kitchen waste		
Full details of tech.	Supplementation of 150 gm concentrate/day from 60 days before expected day of kidding		
Source of Tech.	ICAR-IVRI, Izzatnagar, Bareilly, UP		
Name of the Tech.	Supplementation of steaming up ration in pregnant does.		
Thematic area	Nutritional management		
Name of villages	Purnapani, Ghanbasair	Farming situation	Semi intensive farming
Unit (No.)	50	No of farmers	20

Performance indicator	Technical indicator- Birth weight of kids & growth performances Economic indicator –B:C ratio (III) Farmer Feedback

FLD 6

Title of FLD	Demonstration of Nutri-Garden to improve nutrition in rural farm families		
Season & Year	Round the year production		
Main Problem	Predominance of cereal-based daily diets		
Main cause of problem	Lack of year-round production and availability of diverse, nutrient-rich foods at the household level		
Farmer's Practice	T 1: Low planning and layout Local seed and poor management		
Details of technology	T 2: Planning and layout of nutri garden Provide easy access to seasonal fruits and vegetable preparation of year round calendar for production of vegetable		
Source of Technology	Department of Seed Science and Technology, Kalasalingam, School of Agriculture & Horticulture, Virudhunagar, Tamil Nadu, 626126, India.		
Name of the Technology	Nutrition gardening		
Thematic area	Fruits and vegetable production		
Name of villages	Katindiri, Burmu		
Farming situation	Home stead		
Area (ha)/Unit (No.)	30	No of farmers	30
Performance indicator	Yield (kg/year including three seasons) Increase in household consumption of vegetables (kg/week) Reduction in expenditure on market vegetables		

FLD 7

Title of FLD	Demonstration of value addition of tamarind (*Tamarindus indica* L.)		
Season & Year	Summer 2026		
Main Problem	Due to lack of processing, it remains under exploited to meet growing domestic and commercial needs		
Main cause of problem	Lack of processing knowledge, poor market linkage, and no training on value-added products		
Farmer's practice	Farmers sell raw tamarind about low price without processing and proper packaging		
Details of tech.	Formulation of tamarind candy with jaggery		
Source	College of agricturle, UAS Dharwad, Karnataka		
Name of the Technology	Value addition of tamarind		
Thematic area	Value addition		
Name of villages	Chaingada, Burmu		
Farming situation	Home stead		
Unit (No.)	20	No of farmers	20
Performance indicator	Organoleptic evaluation of formulated product on a nine-point hedonic scale Appearance Colour Flavour Taste Texture Consistency And overall acceptability		

FLD 8

Title of FLD	Demonstration of HYV of finger millet with improved package of practices				
Season & year	Kharif 2026				
Main problem	Low Productivity of finger millet				
Main cause	Limited awareness and adoption of HYV and improved crop management practices				
Farmer's practice	Variety: A 404, Broadcasting of 10-12 kg/ha seed without seed treatment, imbalance Fertilizer application 20:15 N:P kg/ha, One manual weeding @ 30-35 DAS				
Details of tech.	Variety: BM-3, Seed rate: 8-10 kg/ha, Seed treatment with Thiophanate methyl 45% + Pyraclostrobin 5% l + Imidacloroprid 70 WG + Azotobacter + PSB, Transplating @ 20 X 20 cm, Fertilizer rate: 40:30:20::N:P:K kg/ha, Two manual weeding (@ 20-25 and 35-40 DAS), Spray of Imidacloroprid 17.8 SL @ 0.5ml/lit. to control aphid				
Source (Year)	Variety: BAU, Ranchi (2021), Package of practices : ICAR – IIMR, Hyderabad (2022)				
Technology	HYV of finger millet Birsa Mandua 3 with improved POP				
Thematic area	Crop Production				
Name of villages	Chipara, Pataracholi , Kasaro And Sukurhuttu etc.				
Farming situation	Rain fed Upland	Area	10 ha	No. of farmers	25
Performance indicator	Grain Yield (q/ha), Straw Yield(q/ha), Plant Height (cm), Cost of Cultivation(Rs /ha),Net Return (Rs /ha), BC Ratio, Farmer Feedback				

FLD 9

Title of FLD	**Demonstration of off-season nursery raising of cucumber in low poly tunnel structure**				
Season & year	Rabi (2026-27)				
Main problem	Low economic return of direct sown crop (in February) of summer season				
Main cause	Glut in market due to traditional time of seed sowing (February-March)				
Farmer's practice	Seed Sowing in Last week of January to first week of February				
Details of tech.	i. Seed Treatment with Trichoderma (6g/kg seed) ii. Seedling raising of cucumber in polytubes (6x4 inch) under low polytunnel structure in second fortnight of December Transplanting of seedlings in second fortnight of January in open field				
Source (Year)	BAU, Ranchi				
Technology	Off-season nursery raising of cucurbits in low polytunnel structure				
Thematic area	Vegetable Nursery Management				
Name of villages	Baraudi (Burmu) & Gurgurjari (Mandar)				
Farming situation	Red laterite soil, upland, irrigated condition and previous crop - Cole Crops	Unit (no.)	25	No. of farmers	25
Performance indicator	i. **Technical indicator :** Date of first harvesting & Average Yield (q/ha) ii. **Economic indicator :** Gross Cost (Rs./ha.), Gross income (Rs./ha), Net income (Rs./ha.), B:C ratio iii. **Farmer Feedback**				

A) Training (Including the sponsored and FLD training programmes): On 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	1	5	2	7	10	8	18	25
Resource Conservation Technologies	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-
Integrated Farming	4	0	0	0	35	85	120	120
Water management	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-
Fodder production	-	-	-	-	-	-	-	-
Production of organic inputs	1	2	3	5	8	12	20	25
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	-	-	-	-	-	-	-	-
III Soil Health and Fertility Management								
Soil fertility management	-	-	-	-	-	-	-	-
Soil and Water Conservation	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-
Production and use of organic inputs	4	0	0	0	40	120	160	160
Management of Problematic soils	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-
IV Livestock Production and Management								
Dairy Management	1	0	0	0	25	15	40	40
Poultry Management	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-
Rabbit Management /goat	-	-	-	-	-	-	-	-
Disease Management	1	0	0	0	12	28	40	40
Feed management	2	0	0	0	28	52	80	80
Production of quality animal products	2	70	0	70	10	0	10	80
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	1	0	5	5	0	20	20	25
Minimization of nutrient loss in processing	1	0	8	8	0	17	17	25
Gender mainstreaming through SHGs								
Storage loss minimization techniques	1	0	7	7	0	18	18	25
Value addition	2	0	0	0	20	60	80	80
Income generation activities for empowerment of rural Women	2	0	12	12	0	48	48	60
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	1	6	7	13	10	7	17	30
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	-	-	-	-	-	-	-	-

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	2	70	0	70	10	0	10	80
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)	2	62	0	62	8	0	8	70
WTO and IPR issues	-	-	-	-	-	-	-	-
XI Agro-forestry								
Production technologies	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Farming Systems (Agro)	2	0	0	0	32	48	80	80
XII Others (Pl. Specify) Mushroom production	4	0	0	0	40	120	160	160
TOTAL	**34**	**215**	**44**	**259**	**288**	**658**	**946**	**1205**

(B) RURAL YOUTH								
Mushroom Production	-	-	-	-	-	-	-	-
Bee-keeping	**1**	**2**	**3**	**5**	**8**	**12**	**20**	**25**
Integrated farming	**2**	**10**	**6**	**16**	**14**	**20**	**34**	**50**
Seed production	**3**	**8**	**5**	**13**	**20**	**42**	**62**	**75**
Production of organic inputs	**3**	**10**	**15**	**25**	**15**	**35**	**50**	**75**
Integrated Farming (Medicinal)	-	-	-	-	-	-	-	-
Planting material production	**1**	**6**	**5**	**11**	**10**	**9**	**19**	**25**
Vermi-culture	**1**	**3**	**4**	**7**	**5**	**13**	**18**	**25**
Sericulture	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	**2**	**22**	**8**	**30**	**15**	**5**	**20**	**50**
Commercial fruit production	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	**2**	**5**	**6**	**11**	**19**	**30**	**49**	**60**
Nursery Management of Horticulture crops	**1**	**3**	**2**	**5**	**12**	**8**	**20**	**25**
Training and pruning of orchards	-	-	-	-	-	-	-	-
Value addition	**2**	**0**	**5**	**5**	**0**	**55**	**55**	**60**
Production of quality animal products	-	-	-	-	-	-	-	-
Dairying	**1**	**8**	**3**	**11**	**12**	**2**	**14**	**25**
Sheep and goat rearing	**2**	**3**	**7**	**10**	**12**	**28**	**40**	**50**
Quail farming	-	-	-	-	-	-	-	-
Piggery	**1**	**5**	**3**	**8**	**15**	**2**	**17**	**25**
Rabbit farming	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-
Para vets	-	-	-	-	-	-	-	-
Para extension workers	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-
Lac Production	**1**	**0**	**0**	**0**	**20**	**5**	**25**	**25**
Cold water fisheries	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-
Small scale processing	**1**	**0**	**3**	**3**	**0**	**22**	**22**	**25**
Post Harvest Technology	**1**	**0**	**7**	**7**	**0**	**23**	**23**	**30**
Tailoring and Stitching	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-
TOTAL	**25**	**85**	**82**	**167**	**177**	**311**	**488**	**650**

(C) Extension Personnel								
Productivity enhancement in field crops	**1**	**8**	**4**	**12**	**6**	**7**	**13**	**25**
Integrated Pest Management	-	-	-	-	-	-	-	-
Integrated Nutrient management	**2**	**60**	**10**	**70**	**25**	**5**	**30**	**100**
Rejuvenation of old orchards	**1**	**11**	**3**	**14**	**8**	**8**	**16**	**30**
Protected cultivation technology	**1**	**13**	**5**	**18**	**8**	**4**	**12**	**30**
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	**1**	**12**	**6**	**18**	**10**	**2**	**12**	**30**
WTO and IPR issues	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-
Livestock feed and fodder production	**1**	**7**	**8**	**15**	**6**	**4**	**10**	**25**
Household food security	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	**1**	**0**	**10**	**10**	**0**	**15**	**15**	**25**
Production and use of organic inputs	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-
Any other (Pl. Specify)	-	-	-	-	-	-	-	-
TOTAL	**8**	**111**	**46**	**157**	**63**	**45**	**108**	**265**
G. Total	**67**	**411**	**172**	**583**	**528**	**1014**	**1542**	**2120**

B) Off 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	2	15	10	25	10	15	25	50
Cropping Systems	1	5	2	7	10	8	18	25
Crop Diversification	1	4	3	7	10	8	18	25
Site specific nutrient management	1	5	3	8	10	7	17	25
Integrated Farming	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-
Seed production	2	13	12	25	10	15	25	50
Nursery management	-	-	-	-	-	-	-	-
Integrated Crop Management	6	25	19	44	64	42	106	150
Fodder production	-	-	-	-	-	-	-	-
Production of organic inputs	1	4	3	7	10	8	18	25
Natural farming	-	-	-	-	-	-	-	-
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	4	27	20	47	20	33	53	100
Off-season vegetables	1	6	6	12	8	5	13	25
Nursery raising	1	6	4	10	8	7	15	25
Exotic vegetables like Broccoli	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-
Protective cultivation (Green Houses, Shade Net etc.)	1	12	3	15	8	2	10	25
Natural farming	1	4	6	10	7	8	15	25
b) Fruits								
Training and Pruning	-	-	-	-	-	-	-	-
Layout and Management of Orchards	1	5	2	7	15	3	18	25
Cultivation of Fruit	1	8	2	10	12	3	15	25
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	1	5	2	7	12	6	18	25
Management of potted plants	1	5	3	8	14	3	17	25
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	1	5	5	10	7	8	15	25
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	4	20	15	35	45	20	65	100
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	2	20	0	20	30	0	30	50
Poultry Management	2	16	4	20	24	6	30	50
Piggery Management	-	-	-	-	-	-	-	-
Rabbit Management/goat	2	5	10	15	25	10	35	50
Disease Management	3	24	6	30	36	9	45	75
Feed management	1	8	2	10	12	3	15	25
Production of quality animal products	2	16	4	20	24	6	30	50
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	0	7	7	0	18	18	25
Design and development of low/minimum cost diet	1	0	8	8	0	17	17	25
Designing and development for high nutrient efficiency diet	1	0	8	8	0	17	17	25
Minimization of nutrient loss in processing	1	0	10	10	0	15	15	25
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-
Value addition	2	0	16	16	0	34	34	50

Income generation activities for empowerment of rural Women	1	0	10	10	0	15	15	25
Location specific drudgery reduction technologies	1	0	6	6	0	19	19	25
Rural Crafts								
Women and child care	1	0	9	9	0	16	16	25
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	1	8	0	8	17	0	17	25
Use of Plastics in farming practices								
Production of small tools and implements	2	16	0	16	34	0	34	50
Repair and maintenance of farm machinery and implements	3	19	2	21	46	8	54	75
Small scale processing and value addition	-	-	-	-	-	-	-	-
Post-Harvest Technology	2	6	10	16	10	24	34	50
VII Plant Protection								
Integrated Pest Management	9	45	18	63	108	54	162	225
Integrated Disease Management	3	15	6	21	36	18	54	75
Bio-control of pests and diseases	1	5	2	7	12	6	18	25
Production of bio control agents and bio pesticides	1	5	3	8	14	3	17	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	5	10	27	37	38	50	88	125
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	1	3	3	6	14	5	19	25
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	2	10	4	14	24	12	36	50
WTO and IPR issues	-	-	-	-	-	-	-	-
XI Agro-forestry								
Production technologies	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-
XII Others (Pl. Specify)								
TOTAL	**82**	**405**	**295**	**700**	**784**	**566**	**1350**	**2050**
(B) RURAL YOUTH								
Mushroom Production	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-
Integrated Farming (Medicinal)	-	-	-	-	-	-	-	-
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	4	22	18	40	32	28	60	100
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	4	22	18	40	32	28	60	**100**
G. Total	**86**	**427**	**313**	**740**	**816**	**594**	**1410**	**2150**

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								
Weed Management	1	5	2	7	10	8	18	25
Resource Conservation Technologies	2	15	10	25	10	15	25	50
Cropping Systems	1	5	2	7	10	8	18	25
Crop Diversification	1	4	3	7	10	8	18	25
Site specific nutrient management	1	5	3	8	10	7	17	25
Integrated Farming	4	0	0	0	35	85	120	120
Water management								
Seed production	2	13	12	25	10	15	25	50
Nursery management								
Integrated Crop Management	6	25	19	44	64	42	106	150
Fodder production								
Production of organic inputs	2	6	6	12	18	20	38	50
Natural Farming								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	4	27	20	47	20	33	53	100
Off-season vegetables	1	6	6	12	8	5	13	25
Nursery raising	1	6	4	10	8	7	15	25
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	1	12	3	15	8	2	10	25
Natural Farming	1	4	6	10	7	8	15	25
b) Fruits								
Training and Pruning								
Layout and Management of Orchards	1	5	2	7	15	3	18	25
Cultivation of Fruit	1	8	2	10	12	3	15	25
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	1	5	2	7	12	6	18	25
Management of potted plants	1	5	3	8	14	3	17	25
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	1	5	5	10	7	8	15	25
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	4	20	15	35	45	20	65	100
Integrated Nutrient Management								
Production and use of organic inputs	4	0	0	0	40	120	160	160
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management	3	20	0	20	55	15	70	90
Poultry Management	2	16	4	20	24	6	30	50
Piggery Management								
Rabbit Management/goat	2	5	10	15	25	10	35	50
Disease Management	4	24	6	30	48	37	85	115
Feed management	3	8	2	10	40	55	95	105
Production of quality animal products	4	86	4	90	34	6	40	130
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	0	7	7	0	18	18	25
Design and development of low/minimum cost diet	1	0	8	8	0	17	17	25
Designing and development for high nutrient efficiency diet	2	0	13	13	0	37	37	50
Minimization of nutrient loss in processing	2	0	18	18	0	32	32	50
Gender mainstreaming through SHGs								
Storage loss minimization techniques	1	0	7	7	0	18	18	25
Value addition	4	0	16	16	20	94	114	130
Income generation activities for empowerment of rural Women	3	0	22	22	0	63	63	85
Location specific drudgery reduction technologies	1	0	6	6	0	19	19	25
Rural Crafts								
Women and child care	1	0	9	9	0	16	16	25
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	2	14	7	21	27	7	34	55
Use of Plastics in farming practices								
Production of small tools and implements	2	16	0	16	34	0	34	50
Repair and maintenance of farm machinery and implements	3	19	2	21	46	8	54	75
Small scale processing and value addition								
Post-Harvest Technology	2	6	10	16	10	24	34	50
VII Plant Protection								
Integrated Pest Management	9	45	18	63	108	54	162	225
Integrated Disease Management	3	15	6	21	36	18	54	75
Bio-control of pests and diseases	1	5	2	7	12	6	18	25
Production of bio control agents and bio pesticides	1	5	3	8	14	3	17	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	5	10	27	37	38	50	88	125
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	3	73	3	76	24	5	29	105
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	4	72	4	76	32	12	44	120
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems	2	0	0	0	32	48	80	80
XII Others (Pl. Specify) Mushroom production	4	0	0	0	40	120	160	160
TOTAL	**116**	**620**	**339**	**959**	**1072**	**1224**	**2296**	**3255**
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping	**1**	**2**	**3**	**5**	**8**	**12**	**20**	**25**
Integrated farming	**2**	**10**	**6**	**16**	**14**	**20**	**34**	**50**
Seed production	**3**	**8**	**5**	**13**	**20**	**42**	**62**	**75**
Production of organic inputs	**3**	**10**	**15**	**25**	**15**	**35**	**50**	**75**
Integrated Farming (Medicinal)								
Planting material production	**1**	**6**	**5**	**11**	**9**	**5**	**14**	**25**
Vermi-culture	**1**	**3**	**4**	**7**	**5**	**13**	**18**	**25**
Sericulture								
Protected cultivation of vegetable crops	**2**	**22**	**8**	**30**	**15**	**5**	**20**	**50**
Commercial fruit production								
Repair and maintenance of farm machinery and implements	**2**	**5**	**6**	**11**	**19**	**30**	**49**	**60**
Nursery Management of Horticulture crops	**1**	**3**	**2**	**5**	**12**	**8**	**20**	**25**
Training and pruning of orchards								
Value addition	**2**	**0**	**5**	**5**	**0**	**55**	**55**	**60**
Production of quality animal products								
Dairying	**1**	**8**	**3**	**11**	**12**	**2**	**14**	**25**
Sheep and goat rearing	**2**	**3**	**7**	**10**	**12**	**28**	**40**	**50**
Quail farming								
Piggery	**1**	**5**	**3**	**8**	**15**	**2**	**17**	**25**
Rabbit farming								

Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Lac Production	**1**	**0**	**0**	**0**	**20**	**5**	**25**	**25**
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing	**1**	**0**	**3**	**3**	**0**	**22**	**22**	**25**
Post Harvest Technology	**1**	**0**	**7**	**7**	**0**	**23**	**23**	**30**
Tailoring and Stitching								
Rural Crafts								
TOTAL	**25**	**85**	**82**	**167**	**176**	**307**	**483**	**650**
(C) Extension Personnel								
Productivity enhancement in field crops	5	30	22	52	38	35	73	125
Integrated Pest Management								
Integrated Nutrient management	**2**	**60**	**10**	**70**	**25**	**5**	**30**	**100**
Rejuvenation of old orchards	**1**	**11**	**3**	**14**	**8**	**8**	**16**	**30**
Protected cultivation technology	**1**	**13**	**5**	**18**	**8**	**4**	**12**	**30**
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	**1**	**12**	**6**	**18**	**10**	**2**	**12**	**30**
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production	**1**	**7**	**8**	**15**	**6**	**4**	**10**	**25**
Household food security								
Women and Child care								
Low cost and nutrient efficient diet designing	**1**	**0**	**10**	**10**	**0**	**15**	**15**	**25**
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
TOTAL	**12**	**133**	**64**	**197**	**95**	**73**	**168**	**365**
G. Total	**153**	**838**	**485**	**1323**	**1343**	**1604**	**2947**	**4270**

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	765	255	1020	15	5	20	780	260	1040
KisanMela	3	2000	1000	3000	10	5	15	2010	1005	3015
KisanGhosthi	10	300	150	450	10	2	12	310	152	462
Exhibition	7	700	500	1200	7	3	10	707	503	1210
Film Show	-	-	-	-	-	-	-	-	-	-
Farmers Seminar	2	300	200	500	2	1	3	302	201	503
Workshop	10	600	100	700	0	0	0	600	100	700
Group meetings	12	80	20	100	3	2	5	83	22	105
Lectures delivered as resource persons	10	200	50	250	3	2	5	203	52	255
Newspaper coverage	75	-	-	-	-	-	-	-	-	-

Radio talks	6	-	-	-	-	-	-	-	-	-
TV talks	15	-	-	-	-	-	-	-	-	-
Popular articles	15	-	-	-	-	-	-	-	-	-
Extension Literature	5	-	-	-	-	-	-	-	-	-
Advisory Services	12	250	10	260	3	2	5	253	12	265
Scientific visit to farmers field	20	300	150	450	0	0	0	300	150	450
Farmers visit to KVK	20	15000	10000	25000	00	00	00	15000	10000	25000
Diagnostic visits	5	75	25	100	02	00	02	77	25	102
Exposure visits	5	1500	1000	2500	10	0	0	1510	1000	2510
Ex-trainees Sammelan	1	25	15	40	2	1	3	27	16	43
Soil health Camp	2	200	25	225	00	00	00	200	25	225
Animal Health Camp	2	50	25	75	0	0	0	0	0	75
Agri-mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0	0	0	0	0	0
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0	0
MahilaMandals Conveners meetings	0	0	0	0	0	0	0	0	0	0
Celebration of important days (specify)	4	225	50	300	2	1	3	252	51	303
KrishiMohostva	0	0	0	0	0	0	0	0	0	0
KrishiRath	0	0	0	0	0	0	0	0	0	0
Pre Kharif workshop	0	0	0	0	0	0	0	0	0	0
Pre Rabi workshop	0	0	0	0	0	0	0	0	0	0
PPVFRA workshop	0	0	0	0	0	0	0	0	0	0
Any Other (Specify)	0	0	0	0	0	0	0	0	0	0
Total	**251**	**22570**	**13575**	**36170**	**69**	**24**	**83**	**22614**	**13574**	**36263**

3.5 Target for Production and supply of Technological products

A) SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Rice	MTU 1010 , Sahbhagi, CR Dhan 320, CR Dhan 804, CR Dhan 214, Bhutku	300
	Wheat	HD 3388	50
	Finger Millet	BM-3	20
OILSEEDS	Mustard	BBM-1/ DRMR 150-35	30
PULSES	Pigeon Pea	Birsa Arhar-2	5
	Bkack gram	PU-31/Kota Urad-4	5
	Green gram	Virat	3
	Chick Pea	Swarna lakshmi	10
VEGETABLES	Elephant Foot Yam	Gajendra	20
Green Manure Crop	Sesbania		5
	Tephrosia		5
Total			**453**

B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)

FRUITS	Mango	Amarpali, Malika, Bombay Green, Gulabkhas, Dasheri, Malda	10000
	Guava	L-49, Allahabad Safeda	3000
	Litchi	Saahi, China	2000
VEGETABLES	Cauliflower	Girija, Madhuri	50000
	Cabbage	Green Champion , Green Master, Summer Master	
	Tomato	Laxmi -5005, Sobna	
	Brinjal	VNR -218	
	Chilli	**VNR-305, 1616**	
	Onion	NHRDF Red -3	
	Broccoli	**Green Star, Titanic**	
	Wild Cabbage	Sultan	
Others (Forest and ornamental)	Karanj, Jamun, Tamarind, Garden mums, Rose, Marigold, Hibiscus, Ixora Coleus, Poinsettia, Chrysanthemum etc.		5000
		Total	**70000**

C) BIO-PRODUCT

Sl. No.	Product Name	Species	Quantity	
			Lit.	(kg)
BIO PESTICIDES	Dasparni, Agneyastra, Brahmastra, Neemastra etc.		300	
Liquid Manure	Sasyagavya, Panchgavya, Jivamrit, Beejamrit etc.✓		300	
Vermi- Compost			-	3000
Earthwarm			-	200

D) LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
1.	Cattle			
2.				
3.	Goat			
4.	Sheep			
5.	Hen	1. Divyayan Red 2. Kaveri 3. Kadaknath	8000	
6.	Duck	1. Khaki Campbell 2. Vigova Super	12000	
7.	Pig farming			
8.	Fisheries			

E) SPAWN

Sl. No.	Type	Quantity

1.	Spawn	3500 packets

3.6 Literature to be Developed/Published

(A) KVK News Letter

Date of start : 1st April 2021

Number of copies to be published : 4

(B) Literature to be developed/published

S.No.	Topic	Number
1	Research paper	2
2	Technical reports	5
3	News letters	4
4	Training manual all discipline	6
5	Popular article	18
6	Extension literature	3
	Total	**38**

(C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette, Watsapp group, mobile app, etc.	Title of the product	Number
1	Watsapp group	Lac producers of Ranchi	1
2	Watsapp group	Honey Producers of Ranchi	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) Participatory Rural Appraisal (PRA)

b)Focused Group Discussions (FGDs)✓

c)Field Diagnostic visits and On -Farm observations

Rural Youth

a)Skill Gap Assessment Surveys/ Structured interviews

b)Youth Interaction Meetings/ Counselling Sessions ✓

c)Analysis of Feedback from earlier trainings

d)Enterprise-specific Need Assessment

In-service personnel

a)Structured TNA (Training Need Analysis) Questionnaire (Based on KVK/ATMA Modules)

b)Consultative Meetings with Line Departments✓

c)Review of Extension Reports/ Performance Ga

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) -

Block	Village	Adopted from (year)
Burmu	Gutru	2022
Burmu	Chaingara	2022
Burmu	Mahadevtoli	2020
Burmu	Soba	2020
Burmu	Lawagarha	2019
Burmu	Murgi	2021
Burmu	Usku	2020
Burmu	Baraudi	2018
Mandar	TangarBasli	2020
Mandar	Pungi	2018
Lapung	Balandu	2017
Lapung	Katingdari	2020
Angara	Kuturlowa	2018
Angara	Sursu	2017
Angara	Hundaru	2016
Angara	Jaratoli	2021
Angara	Soso	2020
Angara	Dublabera	2018
Angara	Kanshidih	2019
Kanke	Rarha	2020
Nagri	Palandu	2022
Nagri	Kudlung	2022
Chanho	Sukurhuttu	2021
Chanho	Lundari	2017
Chanho	Harra	2016
Chanho	Nanhu	2023
Chanho	Madhukama	2025
Chanho	Ranichauraya	2024
Chanho	Taranga	2022
Chanho	Ralo	2022
Chanho	Badhya	2020
Chanho	Choliyo	2023
Chanho	Mathatoli	2022
Chanho	Gutuwa	2023
Chanho	Choreya	2021
Chanho	Lepsar	2023
Chanho	Ranichancho	2021
Chanho	Hara	2020
Chanho	Chaliyo	2019

ii. No. of farm families selected per village: 30

iii. No. of PRA conducted:12

iv. No. of technologies taken to the adopted villages - 24

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: functioning

1. Year of establishment : 1977

2. List of equipment's purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1.	Nitrogen Distillation unit	1	244635.00
2.	EC meter	1	13000.00
3.	Analytical Balance	1	8500.00
4.	Digital Balance	1	36565.00
5.	Shaker machine	1	18000.00
6.	GPS enabled camera	1	42000.00
7.	Atomic Absorption Spectrophotometer (AAS)	1	2850880.00
8.	Double Beam UV-VIS Spetrophotometer	1	464330.00
9.	Flame Photometer	1	125000.00
10.	Micro controller based ph system	1	28910.00
11.	Micro controller based conductivity-tds meter	1	36108.00
12.	EC meter	1	13000.00
13.	Hot air oven	1	11500.00
14.	Autoclave	1	108560.00
15.	Distillation unit	1	234818.00
16.	Solar power station (25 KW)	1	500000.00
17.	Solar power station (25 KW)	1	550000.00

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	500	500	40	85000.00
Water				
Plant				
Total	500	500	40	**85000.00**

4.0 LINKAGES

4.1 Functional linkage with different organizations/department

Sl.No.	Name of organization	Nature of linkage	Outcome of linkage
1.	Ministry of Tribal Affairs, G.O.I.	Training, Technical backstroking	Skill development
2.	Jharkhand Tribal Dev. Society	Training, Technical backstopping	Skill development
3.	NISA, Namkum, Ranchi	Technical backstopping, exposure visit	Awareness creation about Secondary Agriculture
4.	Birsa Agricultural University	Technical backstopping, exposure visit	Technology transfer
5.	ICAR RCER-FSRCH&PR, Plandu, Ranchi	Technical backstopping ,Training and Demonstration, exposure visit	Improved farm practices

6.	ATMA, Bihar and Jharkhand	Training, Exposure and resource supply	Farmer outreach
7.	ICAR-CRRI-CRURRS, Hazaribagh	Training & Demonstration	Crop improvement
8.	ICAR-IIRMR, Bharatpur, Rajasthan	Technical backstopping, Demonstration, exposure visit etc.	Oilseed promotion
9.	ICAR-CRRI, Cuttack	Demonstration	Rice productivity
10.	ICAR-IIAB, Ranchi	Training, Demonstration and resources supply	Awareness, skill development and income generation
11.	District Horticulture Office, Ranchi	Training	Skill Development
12.	SIDHKOFED	Training	Skill Development
13.	District Cooperative Office	Training	Skill Development

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.	KisanMela	Dissemination of awareness and transfer of technology among the farmers	Increased farmer knowledge and adoption of modern agricultural practices and technologies
2.	World Soil Day	Dissemination of awareness about soil health among the farmers	Enhanced awareness on importance of soil health and sustainable land management
3.	Training programs	Dissemination of awareness about soil health among the farmers	Improved farmer capacity in soil management and nutrient use efficiency
4.	Exposure visits	Dissemination of awareness about soil health among the farmers	Practical understanding of best practices in soil health and farm-level implementation

5. Utilization of Hostel facilities

S. No.	Programme	No. of days
1	Training of practicing farmer and farm women	100
2	Skill development training for Rural Youth	80
3	Vocational Training	60
4	Sponsored Training	40
5	Training of Extension functionaries	30
	Total	**310**

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

S.No.	Name of Project	Financial Support
1	Empowering tribal Communities with Climate Resilient Technologies: A Pathway to Sustainable Development in tribal areas" under TSP	ICAR-IIAB, Ranchi
2	ARYA (Attracting and retaining youth in Agriculture)	ICAR- ATARI, Patna
3	Cluster Front Line Demonstration	ICAR- ATARI, Patna

4	Augmenting mustard production in tribal areas	ICAR-IIRMR, Bharatpur
5	Establishment of bee board project	NBB, New Delhi
6	Promotion of fodder crop	Regional fodder station, Kalyani
7	Promotion of Herbicide resistant Variety CR Dhan 807	ICAR-CCRI
8	Development Millet Based Value-Added Product By Strengthening the Formed SHGs & Food processing at KVK level	ICAR-IIMR through ICAR-ATARI, Patna

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	Weed management in Kharif crop	1	15	10	25	10	8	18	25	MAY
	PF/FW	Natural Farming	1	10	15	25	8	12	20	25	JUNE
Home Sc.											
	PF/FW	Income generation through millet based bakery products	1	0	30	30	0	24	24	30	May
	PF/FW	Income generation through preparation of millet based snacks items	1	0	30	30	0	24	24	30	June
	PF/FW	Post-harvest management of Indigenous fruits	1	0	25	25	0	18	18	25	July
	PF/FW	Value addition of Ragi	1	0	25	25	0	20	20	25	July
	PF/FW	Post- harvest processing for nutrient Retention	1	0	25	25	0	17	17	25	Dec
Plant Breeding											
	PF/FW	Seed Treatment Methods for Kharif crops	1	12	13	25	6	10	16	25	April
	PF/FW	Improved package of practices in mustard crop for yield enhancement	1	10	15	25	10	15	25	25	Oct
	PF/FW	Conservation, Promotion &Commercialization of traditional Varieties under PPVFRA	1	12	13	25	5	12	17	25	Dec

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	Package & practices of pigeon pea	1	14	11	25	10	7	17	25	MAY
	PF/FW	Rice, Maize, and Millet production Technology	1	15	10	25	11	7	18	25	JUNE
	PF/FW	Low cost organic inputs for reducing the input cost	1	14	11	25	10	8	18	25	JUNE
	PF/FW	Kharif pulses Pigeon pea, Green Gram, & Black Gram, production technology	1	15	10	25	10	7	17	25	JULY
	PF/FW	Kharif Oilseeds Niger &Sesame production technology	1	15	10	25	11	7	18	25	JULY
	PF/FW	Crop diversification a strategies for profitable agriculture	1	14	11	25	10	8	18	25	AUG

	PF/FW	Better cropping system for sustainable income	1	15	10	25	10	8	18	25	AUG
	PF/FW	Integrated nutrient management in Kharif crop	1	15	10	25	10	7	17	25	SEP
	PF/FW	Pulses production technology for rabi crop (Gram, Lentil & pea)	1	15	10	25	11	7	18	25	OCT
	PF/FW	Oilseeds production technology for rabi crop (Mustard & Lin seed)	1	15	10	25	11	7	18	25	OCT
Horticulture											
	PF/FW	Multitier orchard establishment and management	1	20	5	25	15	3	18	25	April
	PF/FW	Pro-tray vegetable nursery production for Kharif season	1	14	11	25	8	7	15	25	May
	PF/FW	Selection of HYV of vegetables for Kharif season	1								June
	PF/FW	Improved practices of tomato cultivation in kharif	1	14	11	25	8	5	13	25	June
	PF/FW	Improved practices of cucurbits cultivation in Kharif	1								July
	PF/FW	Girdling of litchi plants to increase production	1	20	5	25	12	3	15	25	August
	PF/FW	Improved package and practices of marigold cultivation	1	17	8	25	12	6	18	25	August
	PF/FW	Vegetable cultivation under Natural farming system	1	11	14	25	7	8	15	25	Sept.
	PF/FW	Improved production practices of cole crops	1								October
	PF/FW	Improved package and practices of Galdiolus cultivation	1	19	6	25	14	3	17	25	October
	PF/FW	Efficient use of drip irrigation system for vegetable cultivation	1								Nov.
	PF/FW	Protected cultivation of vegetable crops	1	20	5	25	8	2	10	25	Nov.
Live Stock Production.											
	PF/FW	Training on backyard poultry farming	1	20	5	25	12	3	15	25	May
	PF/FW	Care &management of milch animals	1	25	0	25	15	0	15	25	Jun.
	PF/FW	Care and management in rainy season of animals	1	25	0	25	15	0	15	25	Jun.
	PF/FW	Fodder production throughout the year	1	20	5	25	12	3	15	25	Jul.
	PF/FW	Feeding and housing management for goats	1	15	10	25	13	5	18	25	Aug.
	PF/FW	Importance of dewormer and vaccination in livestock	1	20	5	25	12	3	15	25	Sept.
	PF/FW	Mastitis in milch animals	1	20	5	25	12	3	15	25	Sept.
	PF/FW	PPR and Goat Pox in goat and sheep	1	15	10	25	12	5	17	25	Oct.
	PF/FW	Diarrhea and pneumonia in calves & kids	1	20	5	25	12	3	15	25	Oct.
	PF/FW	Ranikhet and IBD in poultry	1	20	5	25	12	3	15	25	Nov.
	PF/FW	Importance of balance ration in livestock	1	20	5	25	12	3	15	25	Dec.
	PF/FW	Care & management of piglets	1	20	5	25	12	3	15	25	Jan.
Agril. Engg.											
	PF/FW	Training on soil conservation techniques	1	17	8	25	12	5	17	25	April
	PF/FW	Training on rain water harvesting	1	16	9	25	11	5	16	25	May
	PF/FW	Training on rain water harvesting	1	16	9	25	11	5	16	25	June
	PF/FW	Training on Sowing Machinary	1	20	5	25	15	4	19	25	June
	PF/FW	Training on weeding implements	1	25	0	25	17	0	17	25	July
	PF/FW	Training on weeding implements	1	25	0	25	17	0	17	25	July
	PF/FW	Training on plant protection equipment	1	25	0	25	16	0	16	25	August

	PF/FW	Training on harvesting machinery	1	8	17	25	5	12	17	25	October
	PF/FW	Training on harvesting machinery	1	8	17	25	5	12	17	25	October
	PF/FW	Training on Threshing Machinery	1	20	5	25	15	4	19	25	Nov.
	PF/FW	Training on Water conservation	1	16	9	25	11	5	16	25	Nov.
	PF/FW	Training on Climate Resilient Agriculture	1	25	0	25	17	0	17	25	
Home Sc.											
	PF/FW	Indigenous food processing for family well being	1	0	25	25	0	18	18	25	May
	PF/FW	Millets: Future Food for Sustainable Nutrition	1	0	25	25	0	17	17	25	June
	PF/FW	Agri-Based Food entrepreneurship for Rural Women	1	0	25	25	0	17	17	25	June
	PF/FW	Waste to Wealth: Innovative Food Value Addition	1	0	25	25	0	15	15	25	Aug
	PF/FW	Women as Nutrition Leaders: Health, Food & Empowerment	1	0	25	25	0	15	15	25	Aug
	PF/FW	Importance of GLV processing for combating Hidden Hunger	1	0	25	25	0	16	16	25	Sep
	PF/FW	Smart Food Processing & Value Addition	1	0	25	25	0	17	17	25	Oct
	PF/FW	Diet diversification through value added food product	1	0	25	25	0	17	17	25	Oct
	PF/FW	Nutri for ensuring balance diet Safe Food, Better Health	1	0	25	25	0	19	19	25	July
Plant Protection											
	PF/FW	Training on pest management of Kharif crops	1	17	8	25	14	4	18	25	June.
	PF/FW	Major insect pest of cucurbits and their management	1	20	5	25	8	10	18	25	June
	PF/FW	Soil solarization technique for vegetable seedlings raising	1	17	8	25	12	6	18	25	May
	PF/FW	Major insect pest of paddy & their management	1	14	11	25	10	10	20	25	July
	PF/FW	Major insect-pest of maize and their management	1	19	6	25	16	4	20	25	July
	PF/FW	Major insect pest and disease of brinjal crops and its IPM technique	1	15	10	25	10	6	16	25	July
	PF/FW	IPM and IDM in tomato crop,	1	17	8	25	12	6	18	25	Sept
	PF/FW	IPM and IDM in potato crop	1	17	8	25	12	6	18	25	Sept
	PF/FW	Training on pest management of Rabi crops	1	20	5	25	12	4	16	25	Octo.
	PF/FW	IPM and IDM in mustard &wheat crop	1	17	8	25	12	6	18	25	Octo
	PF/FW	IPM in Mango crop	1	14	11	25	14	6	20	25	Dec
	PF/FW	Mushroom production	1	17	8	25	12	6	18	25	Dec
	PF/FW	Beekeeping	1	17	8	25	14	5	19	25	Sept
	PF/FW	Lac cultivation	1	17	8	25	12	6	18	25	Dec
	PF/FW	Pod borer management in pulses	1	15	10	25	14	6	20	25	Jan
	PF/FW	IPM	1	19	6	25	10	8	18	25	Jan
	PF/FW	Insect Pest and Disease management in Natural Farming	1	19	6	25	14	3	17	25	Octo
Plant Breeding											
	PF/FW	Seed production techniques of paddy for achieving self-seed sufficiency	1	11	14	25	5	12	17	25	MAY-JUN
	PF/FW	Selection of high yielding varieties in Kharif crops.	1	9	16	25	7	10	17	25	MAY-JUN

	PF/FW	Package of practices of traditional rice production	1	13	12	25	5	13	18	25	MAY-JUN
	PF/FW	Cultivation of disease tolerant var. of Kharif tomato	1	9	16	25	8	10	18	25	July
	PF/FW	Cultivation practices of potato during late Kharif	1	12	13	25	7	8	15	25	August
	PF/FW	Early varieties of pea and its cultivation	1	9	16	25	8	10	18	25	September
	PF/FW	Improved varieties of wheat & gram and their seed production technology	1	10	15	25	7	10	17	25	October
	PF/FW	Effective seed storage technique for long term viability.	1	11	14	25	8	10	18	25	October
	PF/FW	Farmers led seed production techniques and yield enhancement	1	12	13	25	5	13	18	25	November

ii) Vocational training programme 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		
Animal Husbandry	Production Management	Commercial goat farming-supplementary source of income generation.	5	7	18	25	6	14	20	25	June
Animal Husbandry	Production Management	Scientific management of goat farms	5	8	17	25	6	14	20	25	Oct.
Animal Husbandry	Livestock management	Housing and Nutrition management for dairy animals	5	20	5	25	12	2	14	25	Sept.
Animal Husbandry	Production Management	Integrated management of a pig farm	5	20	5	25	15	2	17	25	Jan
Natural Farming	Enhancing climate resilience	Natural farming	5	8	17	25	5	11	16	25	May
Natural Farming	Enhancing climate resilience	Low Cost local resource based Organic Farming	5	8	17	25	5	12	17	25	Sept.
Natural Farming	Enhancing climate resilience	Natural farming	5	9	16	25	5	12	17	25	Nov.
IFS	Income Generation	Crop based IFS	5	12	13	25	7	10	17	25	July
Farm Machinery	Water use efficiency	Installation ,operation of micro irrigation system	5	12	18	30	10	15	25	30	June
Farm Machinery	Post-harvest management	Use operation and maintenance of farm implements	5	12	18	30	9	15	24	30	July
Fruit crops	Entrepreneurship development	Fruit plant nursery management	5	11	14	25	10	9	19	25	August
Vegetable crop	Entrepreneurship development	Year-Round Vegetable Nursery: Zero Gap, Maximum Gain	5	15	10	25	12	8	20	25	June
Vegetable crop	Enhancing climate resilience	Natural farming practices for Healthy soil and healthy vegetables	5	8	17	25	5	13	18	25	Sept.
Vegetable crop	Vegetable production	Improved package and practices of commercial vegetable production	5	18	7	25	10	3	13	25	October
Seed Production	Increase seed replacement rate	Seed production, Processing and storage technique in Kharif crops	5	10	15	25	6	14	20	25	May

	Increase seed replacement rate	Selection of suitable improved varieties of Rabi Crops and seed production technologies	5	9	16	25	7	14	21	25	September
	Enhancing climate resilience	Climate resilient technologies for sustainable crop production	5	12	13	25	7	10	17	25	December
Plant Protection	NRM	Self-employment through beekeeping	5	10	15	25	8	12	20	25	Oct
	NRM	Self-employment through Lac cultivation	5	20	5	25	20	5	25	25	July
Home Science	Value Addition	Value addition of fruit crops	5	0	30	30	0	28	28	30	July
	Income Generation	Income generation through preparation of millet based bakery products	5	0	30	30	0	27	27	30	June
	Income Generation	Income generation through preparation of millet based snacks items	5	0	30	30	0	23	23	30	August
	Small Scale processing	Minimal processing of fruits and vegetables	5	0	25	25	0	25	25	25	December

iii) Training programme for extension functionaries

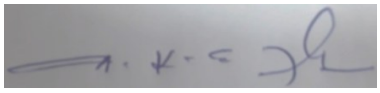
Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total	No. of Courses
				M	F	T	M	F	T		
On Campus											
June-July	Extension Functionaries	Health management of livestock	1	13	12	25	6	4	10	25	1
October	Extension Functionaries	Millet processing based enterprise development	1	0	25	25	0	15	15	25	1
May	Extension Functionaries	New Production Technology in Oil seed Production in Kharif Season	1	13	12	25	8	7	15	25	1
May	Extension Functionaries	New Production Technology in Pulses Production in Rabi Season	1	13	12	25	8	7	15	25	1
October	Extension Functionaries	New Production Technology in Oil seed Production in Rabi Season	1	13	12	25	8	7	15	25	1
October	Extension Functionaries	New Production Technology in Pulses Production in Kharif Season	1	15	10	25	8	7	15	25	1
May	Extension Functionaries	Climate resilient and bio-fortified varieties of cereals, pulses and vegetables	1	14	11	25	6	7	13	25	1
Nov.-Dec	Fertilizer Dealers	Certificate course on balance use of fertilizer	15	85	15	100	25	5	30	100	2
June	Extension Functionaries	Farm Mechanization	1	22	8	30	10	2	12	30	1
August	Extension Functionaries	Adoption of multilayer planting to maximize output from fruit orchard	1	19	11	30	8	8	16	30	1
September	Extension Functionaries	Good Horticultural Practices to increase quality yield from horticultural crops	1	21	9	30	8	4	12	30	1

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											
Plant Protection	Directorate General of Resettlement, Ministry of Defense, GOI	Indian Army Personnel	Mushroom cultivation	1	31	0	31	4	0	4	35
Plant Protection	Directorate General of Resettlement, Ministry of Defense, GOI	Indian Army Personnel	Mushroom cultivation	1	31	0	31	4	0	4	35
Plant Protection	Directorate General of Resettlement, Ministry of Defense, GOI	Indian Army Personnel	Beekeeping & honey production	1	35	0	35	5	0	5	40
Plant Protection	Directorate General of Resettlement, Ministry of Defense, GOI	Indian Army Personnel	Beekeeping & honey production	1	35	0	35	5	0	5	40
Plant Protection	Ministry of tribal affairs	F & FW	Beekeeping based IFS	1	16	24	40	16	24	40	40
Plant Protection	Ministry of tribal affairs	F & FW	Beekeeping based IFS	1	16	24	40	16	24	40	40
Plant Protection	Ministry of tribal affairs	F & FW	Mushroom Production	1	10	30	40	10	30	40	40
Plant Protection	Ministry of tribal affairs	F & FW	Mushroom Production	1	10	30	40	10	30	40	40
Plant Protection	Ministry of tribal affairs	F & FW	Mushroom Production	1	10	30	40	10	30	40	40
Plant Protection	Ministry of tribal affairs	F & FW	Mushroom Production	1	10	30	40	10	30	40	40
Horticulture	District Horticulture Office, Ranchi	Rural Youth	25 Days' Gardener Training	1	19	6	25	5	2	7	25
Animal Husbandry	Directorate General of Resettlement, Ministry of Defense, GOI	Indian Army Personnel	Entrepreneurship development dairy, poultry & goat farming.	2	80	0	80	10	0	10	80
Animal Husbandry	Ministry of tribal affairs	F & FW	Dairy Management	1	25	15	40	25	15	40	40
Animal Husbandry	Ministry of tribal affairs	F & FW	Feed Management of livestock	2	28	52	80	28	52	80	80
Animal Husbandry	Ministry of tribal affairs	F & FW	Disease Management	1	25	15	40	25	15	40	40
Home Science	Ministry of tribal affairs	F & FW	Value Addition	2	20	60	80	20	60	80	80
Agronomy	Ministry of tribal affairs	F & FW	IFS	4	35	85	120	35	85	120	120
Agriculture Engineering	Directorate General of Resettlement, Ministry of Defense, GOI	Indian Army Personnel	Repair of Centrifugal pump and implements	1	16	14	30	7	17	24	30
Horticulture	Ministry of tribal affairs	F & FW	Production and use of organic inputs	4	40	120	160	40	120	160	160
Plant Breeding	ICAR-IIRMR	F & FW	Integrated Crop production technologies for yield maximization in Oilseed	1	9	18	25	7	14	21	25

b) Sponsored research programme											
Horticulture	Aspee Foundation	F&FW	Establishment of Round the year vegetable nursery production unit	-	**4**	**0**	**4**	**4**	**0**	**4**	**4**
Plant Protection and Animal Husbandry	ICAR ATARI	RY	Entrepreneurship development on Bee keeping, Lac and Goatery (ARYA)	-	**10**	**0**	**10**	**10**	**0**	**10**	**10**
Plant Breeding	ICAR – IIRMR, Bharatpur	F&FW	Augmenting mustard production in Rice-fallow area	-	**40**	**60**	**100**	**40**	**60**	**100**	**100**
Agronomy & Agri. Engineering	ICAR – CRRI, Cuttuck	F&FW	Demonstration of herbicide resistant variety CR Dhan 807	-	**20**	**30**	**50**	**20**	**30**	**50**	**50**
			Total		**74**	**90**	**164**	**74**	**90**	**164**	**174**

c) Any special programmes											
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
			Total	-	-	-	-	-	-	-	-



Signature of Senior Scientist & Head