Year of Establishment 1994

Annual Report

2024-25

National Innovations in Climate Resilient Agriculture

KrishiVigyan Kendra
Kendrapara, Jajanga

ICAR-ATARI, Kolkata
Odisha University of Agriculture & Technology

ICAR – Central Research Institute for Dryland Agriculture
Santoshnagar, Hyderabad – 500059
Technology Demonstration Component of NICRA

Summary of interventions taken up in NICRA villages in 2024-25 (Annual Report of TDC)

State: Odisha KVK and District: Kendrapara Village: Gajapitha & Bilabalarampur

Table 1. Information about the NICRA villages and the focus of activities in these villages

Details of Villages	**Village 1**	**Village 2**
Name	Gajapitha	Bilabalarampur
Year adopted in NICRA	2021-22	2024-25
Nature of activity*		
No. of households	55	110
Male population	228	236
Female population	194	198
% Coverage under NICRA intervention	60.4	28.8

*Taking up of interventions or Scaling up or hand holding

Table 2. Summary of Interventions taken up during 2024-25

Villages	**FSTI***	**FSTII@**
	No. of farmers involved in demonstrations	**No. of farmers involved in demonstrations**
Gajapitha	95	60
Bilabalarampur	86	39
Total	**150**	**65**

*FSTI: Rainfed with animal component, @FSTII: Irrigated with animal component,

Table 3. Extreme events, high intensity rains, floods, dry spells, heat wave, cold wave, hail storms etc. observed during 2024-25 so far

Nature of event	**Date of occurrence**	**Duration (Days)**	**Crop stage affected**	**Perceived impact on crop yield (q ha^{-1})**	**% yield damage due to vulnerability**	**Interventions taken up (contingency)**	**Results (impact of interventions)**
Flood	08.08.2024	7 days	Rice (Tillering stage)	30	80	Stress tolerant rice variety	Improvement in crop yield and saving of crop loss

Add rows if necessary, attach good quality photographs

Table 4. Natural resource management interventions taken up in farming system typologies during the year 2024-25 (in all the villages)

Farming system typology	Climate Resilient practice (Technology)	No. of Demonstrations	No. of farmers covered	Area covered (ha)
FST-I	i. River bed percolation tank	06	55	9
	ii. Raising of rice field bund	1	10	4
	iii. Green manuring in rice by Dhaincha	1	22	10
	iv. Ridge & furrow method of vegetable cultivation	1	10	1
	v. Vermicomposting using agrowaste	1	10	
FST-II	i.Green manuring in rice by Dhaincha	1	8	2
	ii.Organic mulching in brinjal	1	10	1

Table 5. Crop Production interventions taken up in farming system typologies during the year 2024-25 (in all the villages)

Farming system typology	Climate Resilient practice (Technology)	No. of Demonstrations	No. of farmers covered	Area covered (ha)
FST-I	i. Mechanised DSR	1	70	30
	ii. Flood tolerant rice variety Swarna sub1	1	20	8
	iii. ICM in millets	1	15	2
	iv. Improved jute retting using NINFET SATHI	1	7	2
	v. Rice- Blackgram Paira cropping	1	20	8
	vi. Short duration greengram in post flood situation	1	20	8
	vii. Integrated disease & pest management in rice	1	8	2
	viii. Borer complex management in greengram	1	5	2
	ix. Low cost poly house for seedling raising	1	10	0.01
	x. Commercial lotus cultivation	1	5	0.01
FST-II	i. Flood tolerant rice variety CR 1009 sub1	1	20	8
	ii. Improved jute retting using NINFET SATHI	1	3	2
	iii. Integrated disease & pest management in rice	1	7	2
	iv. Borer complex management in greengram	1	10	2
	v. Arecanut plantation as crop diversification	1	10	0.4
	vi. Bittergourd in growbag & trellis	1	5	0.4

Table 6. Livestock interventions taken up in farming system typologies during the year 2024-25 (in all the villages)

Farming system typology	Climate Resilient practice (Technology)	No. of Demonstrations	No. of farmers covered	Area covered (ha)
FST-II	i. Rearing of stress tolerant poultry bird	1	5	
FST-IV	i. Rearing of stress tolerant poultry bird	1	5	

Add rows if necessary

Table 7. Fisheries interventions taken up in farming system typologies during the year 2024-25 (in all the villages)

Farming system typology	Climate Resilient practice (Technology)	No. of Demonstrations	No. of farmers covered	Area covered (ha)
FST-II	i. post flood stocking of IMC yearling to minimize culture duration	1	3	0.4
FST-IV	i. post flood stocking of IMC yearling to minimize culture duration	1	2	0.4

Table 8. Rainwater harvesting structures developed

Name of Village	New (Nos.)	Renovated (Nos.)	Total	Storage capacity (cu m)	Protective irrigation potential (ha)	Cropping Intensity (%) increase

Attach good quality photograph

Table 10. Provide detailed information of crop interventions demonstrated in NICRA villages under Farming System Typology-II (Rainfed farming system + Livestock)

A. NRM interventions

1. River bed percolation pit

Farmer name: Pabitra Nayak **Village name: Gajapitha**

Crop/perennials	Climate vulnerability	Season	Crop stage affected	Technology demonstrated	Area (ha)	Productivity (q ha^{-1})	Cost of cultivation (₹ ha^{-1})	Gross returns (₹ ha^{-1})
Normal year (2024-25) *								
NICRA Farmers	Moisture stress	Rabi		River bed percolation pit	0.4	280 (tomato)	180800	420000
Non-NICRA Farmers	Moisture stress	Rabi	No crop					
Stress year (Data of any previous stress year in the selected village) (New introduction)								
NICRA Farmers				(i) (ii) (iii)				
Non-NICRA Farmers				(i) (ii) (iii)				
Details of technology	NICRA technology (i) Source of irrigation for 2nd crop (ii) (iii)			Non-NICRA technology (i) (ii) (iii)				
Farmers perception about technology	(i) (ii) (iii)							

* if 2024-25 is a stress year then give the information for any previous normal year data with and without technology, attach good quality photographs

Example: - non-NICRA- maize sole cropping, NICRA farmer- Maize + red gram intercropping and additional rabi crop due to supplemental irrigation from Jalkund

2. Raising of rice field bund of 25 cm to conserve moisture

Farmer name: Pramod Biswal **Village name: Bilabalarampur**

Crop/perennials	Climate vulnerability	Season	Crop stage affected	Technology demonstrated	Area (ha)	Productivity (q ha^{-1})	Cost of cultivation (₹ ha^{-1})	Gross returns (₹ ha^{-1})
Normal year (2024-25) *								
NICRA Farmers	Moisture stress	Kharif	Milking stage	Raising of rice field bund	0.4	45.6	54300	88920
Non-NICRA Farmers	Moisture stress	Kharif	Milking stage		0.4	43.1	52700	84045
Stress year (Data of any previous stress year in the selected village) 2022								
NICRA Farmers	Moisture stress	Kharif	Milking stage	Raising of rice field bund	0.4	45.1	53800	85690
Non-NICRA Farmers	Moisture stress	Kharif	Milking stage		0.4	42.6	51800	80940
Details of technology	NICRA technology (i) In-situ moisture conservation (ii)Crop damage minimized during dry spel			Non-NICRA technology				
Farmers perception about technology	(i) (ii) (iii)							

3. Green manuring in rice by Dhaincha

Farmer name: Baishnab Chandra Biswal **Village name: Bilabalarampur**

Crop/perennials	Climate vulnerability	Season	Crop stage affected	Technology demonstrated	Area (ha)	Productivity (q ha^{-1})	Cost of cultivation (₹ ha^{-1})	Gross returns (₹ ha^{-1})
Normal year (2024-25) *								
NICRA Farmers		Kharif	Pretransplanting stage	Green manuring in rice by Dhaincha	1	45.2	53500	88140
Non-NICRA Farmers		Kharif	Pretransplanting stage		0.4	44.6	52400	86970

Stress year (Data of any previous stress year in the selected village) 2022								
NICRA Farmers		Kharif	Pre transplanting stage	Green manuring in rice by Dhaincha	1	44.9	53100	85310
Non-NICRA Farmers		Kharif	Pre transplanting stage		0.4	44.3	51800	84170
Details of technology	NICRA technology (i) Nitrogen fertilizer requirement reduces (ii)Improves soil health			Non-NICRA technology (i) (ii) (iii)				
Farmers perception about technology	(i) (ii) (iii)							

B. Crops and cropping systems interventions

1. Flood tolerant rice variety Swarna sub 1

Farmer name: Krushna Chandra Behera **Village name: Bilabalarmpur**

Crop/perennials	Climate vulnerability	Season	Crop stage affected	Technology demonstrated	Area (ha)	Productivity (q ha^{-1})	Cost of cultivation (₹ ha^{-1})	Gross returns (₹ ha^{-1})
Normal year (2024-25) *								
NICRA Farmers	Flood	Kharif	Tillering	(i) Flood tolerant rice variety Swarna sub 1	0.4	45.4	55400	104420
Non-NICRA Farmers	Flood	Kharif	Tillering		0.4	38.9	53200	89470
Stress year (Data of any previous stress year)2021 (Flood)								
NICRA Farmers	Flood	Kharif	Tillering	(i) Flood tolerant rice variety Swarna sub 1	0.4	44.6	49900	84740
Non-NICRA Farmers	Flood	Kharif	Tillering		0.4	36.2	48100	68780

Specificity of technology	NICRA technology (i) can withstand submergence upto 14 days	Non-NICRA technology
Farmers perception about technology	(i) yield is more over local variety despite occurrence of flood	

2. Rice- blackgram paira cropping

Farmer name: Nigam Ranjan Lenka **Village name: Gajapitha**

Crop/perennials	Climate vulnerability	Season	Crop stage affected	Technology demonstrated	Area (ha)	Productivity (q ha^{-1}) Rice Equivalent Yield	System Cost of cultivation (₹ ha^{-1})	System Gross returns (₹ ha^{-1})
Normal year (2024-25) *								
NICRA Farmers	Moisture stress	Rabi		Rice- blackgram paira cropping	0.4	62.6	76600	143980
Non-NICRA Farmers	Moisture stress	Rabi		Rice- Fallow	0.4	43.4	54100	99820
Stress year (Data of any previous stress year)2022-23								
NICRA Farmers	Moisture stress	Rabi		Rice- blackgram paira cropping	0.4	60.05	63300	114095
Non-NICRA Farmers	Moisture stress	Rabi		Rice- Fallow	0.4	42.9	52100	83655
Specificity of technology	NICRA technology (i) Effective utilization of residual soil moisture (ii) Increasing cropping intensity				Non-NICRA technology			
Farmers perception about technology	(i)							

3. Cultivation of short duration greengram as contingent crop in post flood situation

Farmer name: Alok Das **Village name: Gajapitha**

Crop/perennials	Climate vulnerability	Season	Crop stage affected	Technology demonstrated	Area (ha)	Productivity (q ha^{-1})	Cost of cultivation (₹ ha^{-1})	Gross returns (₹ ha^{-1})
Normal year (2024-25) *								
NICRA Farmers	Flood	Post flood early rabi	Entire crop damaged (Rice)	Short duration greengram variety Virat	0.4	5.6	24800	39200
Non-NICRA Farmers	Flood	Kharif	Entire crop damaged (Rice)	No Contingent crop				
Stress year (Data of any previous stress year)2021 (Flood)								
NICRA Farmers	Flood	Kharif	Entire crop damaged (Rice)	Short duration greengram variety Virat	0.4	5.4	23900	37800
Non-NICRA Farmers	Flood	Kharif	Entire crop damaged (Rice)	No Contingent crop				
Specificity of technology	NICRA technology i. Contingent crop plan			Non-NICRA technology				
Farmers perception about technology	(i)							

4. Integrated disease and pest management in rice

Farmer name: Sashikanta Lenka **Village name: Gajapitha**

Crop/perennials	Climate vulnerability	Season	Crop stage affected	Technology demonstrated	Area (ha)	Productivity (q ha^{-1})	Cost of cultivation (₹ ha^{-1})	Gross returns (₹ ha^{-1})
Normal year (2024-25) *								
NICRA Farmers	Pest incidence	Kharif		Integrated disease & pest management	0.4	42.6	55400	97980
Non-NICRA Farmers	Pest incidence	Kharif			1	35.4	54800	81420

Stress year (Data of any previous stress year)2021 (Flood)								
NICRA Farmers	Pest incidence	Kharif		Integrated disease & pest management	0.4	40.4	53900	78780
Non-NICRA Farmers	Pest incidence	Kharif				33.2	52500	64740
Specificity of technology	NICRA technology				Non-NICRA technology			
Farmers perception about technology	(i)							

5. Mechanized DSR

Farmer name: Alok Das **Village name: Gajapitha**

Crop/perennials	Climate vulnerability	Season	Crop stage affected	Technology demonstrated	Area (ha)	Productivity (q ha^{-1})	Cost of cultivation (₹ ha^{-1})	Gross returns (₹ ha^{-1})
Normal year (2024-25) *								
NICRA Farmers	Flood	Kharif		ICM in Mechanized DSR	1	43.6	53800	100280
Non-NICRA Farmers	Flood	Kharif		DSR	1	39.2	53400	90160
Stress year (Data of any previous stress year) (New introduction)								
NICRA Farmers								
Non-NICRA Farmers								
Specificity of technology	NICRA technology				Non-NICRA technology			
Farmers perception about technology	(i)							

C. Livestock management interventions

1. Rearing of stress tolerant poultry bird in portable poultry house

Farmer name: Chinmayee Mohanty **Village name: Gajapitha**

Animals	Perceived problems[#]/ Species[$]	Technology demonstrated	Production /year[!]	Selling price (₹/unit)	Cost of production (₹/ Animal)	Gross returns per animal (₹ / animal)	Gross returns (₹/farmer)	By products quantity (q) per farmer	Unit price of by product (₹ per q)	Gross returns from by products (₹ farmer^{-1})
Normal year										
NICRA Farmers	Mortality Due to flood & disease incidence	(i) stress tolerant poultry breed (ii)portable poultry house	2.4 kg/ 5 month	220	170	528	10560	-	-	-
Non-NICRA Farmers	Mortality Due to flood & disease incidence		2 kg/ 5 month	220	150	440	6600	-	-	-
Stressful year 2021(Flood)										
NICRA Farmers	Mortality Due to flood & disease incidence	(i) stress tolerant poultry breed (ii)portable poultry house	2.3 kg/ 5 month	200	160	460	9200	-	-	-
Non-NICRA Farmers	Mortality Due to flood & disease incidence		1.9 kg/ 5 month	200	140	380	5700	-	-	-
Specificity of technology	NICRA technology (i) easy to transfer the birds to safe place during flood (ii) Incidence of disease reduces (iii)maintenance of sanitation is easy					Non-NICRA technology (i) (ii) (iii)				
Farmers perception about technology	(i) (ii) (iii)									

Table D. By products produced and recycling of by products in farming system typologies during the year 2024-25 (in all the villages)

Interventions	By product produced	Quantity (q ha^{-1})	Selling price (₹ q^{-1})	Recycling of by product	Amount mobilised (₹)
NRM	1.				
Crops	1.				
Livestock	1.				

Add rows if necessary

Table 12. Provide detailed information of interventions demonstrated in NICRA villages under <u>Farming System Typology-IV (Irrigated farming system + Livestock)</u>

A. NRM interventions

1. Organic mulching in Brinjal

Farmer name: Rabindra Lenka **Village name: Gajapitha**

Crop/perennials	Climate vulnerability	Season	Crop stage affected	Technology demonstrated	Area (ha)	Productivity (q ha^{-1})	Cost of cultivation (₹ ha^{-1})	Gross returns (₹ ha^{-1})
Normal year (2024-25) *								
NICRA Farmers	Moisture stress	Kharif	Vegetative stage	Organic mulching in Brinjal	0.4	230	117800	253000
Non-NICRA Farmers	Moisture stress	Kharif	Vegetative stage		0.4	222	116400	244200
Stress year (Data of any previous stress year)								
NICRA Farmers	Moisture stress	Kharif	Vegetative stage	Organic mulching in Brinjal	0.4	232	116200	232000
Non-NICRA Farmers	Moisture stress	Kharif	Vegetative stage		0.4	228	115100	228000
Specificity of technology	NICRA technology (i) Checks weed growth (ii) conserves soil moisture			Non-NICRA technology				
Farmers perception about technology	(i) (ii) (iii)							

* if 2024-25 is a stressful year then give the information for any previous normal year data with and without technology

B. Crops and cropping systems interventions

1. Bitter gourd in trellis and growbag

Farmer name: Himanshu Sekhar Lenka **Village name: Gajapitha**

Crop/perennials	Climate vulnerability	Season	Crop stage affected	Technology demonstrated	Area (ha)	Productivity (q ha^{-1})	Cost of cultivation (₹ ha^{-1})	Gross returns (₹ ha^{-1})
Normal year (2024-25) *								
NICRA Farmers	Flood	Kharif	Bitter gourd, Vegetative	Cultivation in growbag & trellis system	0.2	152	105100	228000
Non-NICRA Farmers	Flood	Kharif	Bitter gourd, Vegetative		0.4	112	88200	168000
Stress year (Data of any previous stress year)2023-24								
NICRA Farmers	Flood	Kharif	Bitter gourd, Vegetative	Cultivation in growbag & trellis system	0.1	146		
Non-NICRA Farmers	Flood	Kharif	Bitter gourd, Vegetative		0.4	131		
Specificity of technology	NICRA technology (i) (ii) (iii)			Non-NICRA technology (i) (ii) (iii)				
Farmers perception about technology	(i) (ii) (iii)							

* if 2024-25 is stress year then give the information for any previous normal year data with and without technology

2. Arecanut plantation as crop diversification

Farmer name: Sarbeswar Parida **Village name: Gajapitha**

Crop/perennials	Climate vulnerability	Season	Crop stage affected	Technology demonstrated	Area (ha)	Productivity (q ha^{-1})	Cost of cultivation (₹ ha^{-1})	Gross returns (₹ ha^{-1})
Normal year (2024-25) *								
NICRA Farmers						1st year of plantation		
Non-NICRA Farmers								
Stress year (Data of any previous stress year)								
NICRA Farmers				(i) (ii) (iii)				
Non-NICRA Farmers				(i) (ii) (iii)				
Specificity of technology	NICRA technology (i) (ii) (iii)				Non-NICRA technology (i) (ii) (iii)			
Farmers perception about technology	(i) (ii) (iii)							

* if 2024-25 is stress year then give the information for any previous normal year data with and without technology

3. ICM on millets

Farmer name: Bichitra Nayak **Village name: Gajapitha**

Crop/perennials	Climate vulnerability	Season	Crop stage affected	Technology demonstrated	Area (ha)	Productivity (q ha^{-1})	Cost of cultivation (₹ ha^{-1})	Gross returns (₹ ha^{-1})
Normal year (2024-25) *								
NICRA Farmers	Moisture stress	Rabi		ICM in millet	1	12	26400	48000
Non-NICRA Farmers	Moisture stress	Rabi		Cultivation of millet	1	10.1	25800	40400
Stress year (Data of any previous stress year) (New introduction)								
NICRA Farmers				(i) (ii) (iii)				
Non-NICRA Farmers				(i) (ii) (iii)				
Specificity of technology	NICRA technology (i) (ii) (iii)			Non-NICRA technology (i) (ii) (iii)				
Farmers perception about technology	(i) (ii) (iii)							

* if 2024-25 is stress year then give the information for any previous normal year data with and without technology

4. Borer complex management in greengram

Farmer name: Kailash Chandra Sahoo **Village name: Bilabalarampur**

Crop/perennials	Climate vulnerability	Season	Crop stage affected	Technology demonstrated	Area (ha)	Productivity (q ha^{-1})	Cost of cultivation (₹ ha^{-1})	Gross returns (₹ ha^{-1})
Normal year (2024-25) *								
NICRA Farmers	Pest incidence	Rabi	Pod development	Integrated disease and pest management	1	5.6	24200	39200
Non-NICRA Farmers	Pest incidence	Rabi	Pod development		1	4.3	22800	30100
Stress year (Data of any previous stress year)								
NICRA Farmers				(i) (ii) (iii)				
Non-NICRA Farmers				(i) (ii) (iii)				
Specificity of technology	NICRA technology (i) (ii) (iii)				Non-NICRA technology (i) (ii) (iii)			
Farmers perception about technology	(i) (ii) (iii)							

* if 2024-25 is stress year then give the information for any previous normal year data with and without technology

C. Livestock management interventions

Farmer name: Chinmaya Mohanty **Village name: Gajapitha**

Animals	Perceived problems[#] / Species[$]	Technology demonstrated	Production /year	Selling price (₹/unit)	Cost of production (₹/ Animal)	Gross returns per animal (₹ / animal)	Gross returns (₹/farmer[~])	By products quantity (q) per farmer	Unit price of by product (₹ per q)	Gross returns from by products (₹ farmer^{-1})
Normal year 2024-25										
NICRA Farmers	short culture duration after flood	Post flood stocking of IMC yearling to minimize culture duration	40.4 q/ ha	120/ kg	1,99,400	4,84,800	4,84,800			
Non-NICRA Farmers										
Stress year (Data of any previous stress year)2022-23										
NICRA Farmers		Post flood stocking of IMC yearling to minimize culture duration	39.4 q/ha	120/ kg	1,98,320	4,54,320	4,54,320			
Non-NICRA Farmers										
Specificity of technology	NICRA technology				Non-NICRA technology					
Farmers perception about technology	(i) (ii) (iii)									

[#]Perceived problems can be production/nutrition/reproduction/health/profitability

[$]Species under intervention may be cattle/buffalo/sheep/goat/pig/poultry

[!]For milch animals, litres per year; for meat animals, kg live meat per year; for poultry birds, marketable body weight achieved per year and no. of eggs.

[~]For per farmer calculation: no. of units kept per farmer should be standardised as cows-2, buffalo-2, sheep/goat-6, poultry birds-25.

Table D. By products produced and recycling of by products in farming system typologies during the year 2024-25 (in all the villages)

Interventions	By product produced	Quantity (q ha^{-1})	Selling price (₹ q^{-1})	Recycling of by product	Amount mobilised (₹)
NRM	1.				
	2.				
Crops	1.				
	2.				
Livestock	1.				
	2.				

Table 13. Details of VCRMC meetings conducted during the year 2024-25

Village Name	VCRMC Constitution date	Purpose of meeting	Date of the meeting conducted	No. of members attended		Major decision taken
				Male	Female	
Gajapitha	14.07.2021	To final AAP for 2024-25	11.05.2025	7	4	
		Contingent plan for upcoming flood	29.07.2025	7	4	Short duration greengram as contingent crop
		Maintenance of custom hiring centre	16.09.2025	7	4	
		To monitor the advances in different NICRA activities	24.11.2024	7	4	
		Preparatory meeting for ZMC visit	11.01.2025	7	4	

* Please attach labelled photographs of the meetings

Table 14. Institutional interventions (Custom Hiring Centre) taken up during the year 2024-25

Custom hiring centre started year	Implements	Amount mobilised (₹)	Farmers covered	Area covered (ha)	Total amount under VCRMC	Remarks
2021	Powe tiller (2) Reaper Power sprayer Diesel pumpset Electric pumpset Knapsac sprayer Land leveller Oil press machine	44000	65	25	12100	Fuel & other expenses were met from mobilised amount

Add rows if necessary

Table 15. Institutional interventions (Seed bank) taken up during the year 2024-25

Crop name	Variety	Area covered (ha)	Farmers covered (no.)	Seed produced (tons)	Quantity of seed retained for next season	Amount mobilised (₹)
Rice	Swarna sub1	5	12	15.3	15.3	459000

Add rows if necessary

Table 16. Institutional interventions (Fodder bank) taken up during the year 2024-25

Fodder crop name	Variety	Area covered (ha)	Farmers covered (no.)	Fodder produced (tons)	Quantity of fodder retained for next year	Amount mobilised (₹)
Hybrid napier	CO4	0.4	1	150		75000

Add rows if necessary

Table 17. Capacity Building programmes (HRD) taken up for farmers during the year 2024-25

Theme	Title of the training program	No. of training programmes	Number of beneficiaries		
			Male	Female	Total
Crop Production	ICM in direct seeded rice	1	27	3	30
Pest management	IPM in rice	1	26	4	30
Pest management	Integrated disease & pest management in greengram	1	28	2	30
Crop diversification	Round the year marigold cultivation	1	22	8	30
NRM	Lay out & planning for river bank plantation	1	25	5	30
NRM	Vermicomposting	1	22	8	30
Livelihood	Off season mushroom cultivation	1	4	26	30
Fishery	Fish pond management in post flood situation	1	22	8	30

Add rows if necessary

Table 18. Other extension activities being taken up during the year 2024-25

Name of program	Details about the activity	Number of programmes	Participants		Remarks
			Male	Female	
Exposure visit	Visit to KVK, Dhenkanal	1	12	08	
Farmers' Fair	Organised at NICRA adopted village on Climate resilient Technologies	1	72	28	
Diagnostic field visit		12	62	23	

Add rows if necessary

Table 19. Summary of Upscaling of technologies through convergence taken up during the year 2024-25 (For the continuing KVKs)

Village name	Name of the technology scaling up/ out	No. of farmers reached	Convergence established with center / state (Name of the programme or department)	Approx. amount mobilised (₹)
Bilabalarampur	Mechanized DSR	70	Govt. of Odisha	21000

Table 20. Technologies adopted by significant number of farmers after witnessing the benefits of NICRA demos (Technology spread)

Name of technology	Area (ha) (Adoption with the technology)		Farmers (No)	Mode of spread (Process)
	Before NICRA	After NICRA		
Flood tolerant rice varieties		35	70	Horizontal
Pond based IFS		4	10	
Portable poultry house		20 unit	20	

Table 21. Issuance of agro advisories during the year 2024-25

Whether agro-advisories are being issued: Yes/No

Source of forecast: ----------

who is preparing agro-advisory: ----------

DAMU Existing: ----------

No. of Agromet advisories issued	Date	Interval of issues

Table 22. Distinguished visitors during the year 2024-25

Name of visitors	Date	Remarks
Prof. H K Senapati, ZMC Chairman	23.01.2025	
Prof. PJ Mishra, ZMC member	23.01.2025	
Dr. S.K. Mondol, ZMC member	23.01.2025	
Dr. Krishnendu Das, ZMC member	23.01.2025	
Dr. Prabhanjan Kabi, ADVO, Kendrapara	24.01.2025	

Add rows if necessary, attach quality photographs

Table 23. Publications from the project and send the photographs of first page of the publications

Description (nature of publication)	Citation
Cultivation of millet in coastal agroecosystem (Odia)- booklet	

*Upload publications through google drive link

Table 24. Significant achievements during the year 2024-25 with good photographs (with JPEG Photographs send it separately)

Description	No. of farmers covered	Impact
Mechanized DSR	70	

Add rows if necessary

Table 25. Awards received (Please attach labelled original photographs of the awards)

Sl. No.	Award Title	Awarded for	Award received from Organization	Date

Table 26. Farm equipment purchased in TDC -NICRA KVKs (2024-25)

Name of KVKs	Name of Equipment	Quantity	Cost/Unit	Total
Kendrapara	Multi crop planter	1	257600	
Kendrapara	Seed drill	1	113000	
Kendrapara	Axial flow thresher	1	200000	
Kendrapara	Mini Rice mill	1	40000	
Kendrapara	Soil moisture sensor	1		
Kendrapara	Power sprayer	1	40000	

Table 27. Details of budget utilisation information (₹)

Budget sanctioned	Budget utilized for each component					Travel allowance	Total expenditure	Refund amount
	NRM	Crop	Livestock	Others	Total			
1732750	240400	602830	112260	690000	1645490	87260	1732750	0

Table 28. Rainfall for the year 2024

Date	April	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	0	0	0	24	34	3	0	0	0	0	0	0
2	0	0	0	0	5	3	0	0	0	0	0	0
3	0	0	121	0	41	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	26	28	0	0	0	0	0	0	0
6	0	0	0	0	35	0	0	7	0	0	0	0
7	0	0	3	0	4	28	0	0	0	0	0	0
8	0	0	0	0	0	22	22	0	0	0	0	0
9	0	14	0	0	3	5	0	0	0	0	0	0
10	0	0	0	0	0	3	0	0	0	0	0	0
11	0	0	0	0	0	8	0	0	0	0	0	0
12	0	24	0	32	44	0	0	0	0	0	0	0
13	0	0	0	24	0	0	0	0	0	0	0	0
14	0	0	0	0	3	0	0	0	0	0	0	0
15	0	0	0	4	0	11	0	0	0	0	0	0
16	0	0	0	9	35	0	0	0	0	0	0	0
17	4	0	0	7	6	40	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	12	0	0	0	0	0	0	31	0
20	0	0	0	8	6	0	24	0	0	0	0	0
21	0	0	0	14	0	0	0	0	31	0	0	0
22	0	0	2	4	4	0	0	0	14	0	0	0
23	0	0	4	5	0	0	0	0	0	0	0	6
24	0	0	10	11	4	12	7	0	0	0	0	0
25	0	25	0	8	6	56	110	0	25	0	0	0
26	0	0	7	8	22	43	49	0	23	0	0	0
27	0	49	0	17	31	46	0	0	0	0	0	0
28	0	0	0	0	6	0	3	0	0	0	0	0
29	0	0	0	12	0	0	0	0	0	0	0	0
30	**0**	0	0	6	6	0	0	0	0	0		0
31		0		14	14		0		0	0		0
Total	**4**	**112**	**147**	**245**	**337**	**280**	**215**	**7**	**93**	**0**	**31**	**6**

Table 29. Normal rainfall and temperature

Month	RF (mm)	Max and Min. Temperature (^{0}C)	Month	RF (mm)	Max and Min. Temperature (^{0}C)
January	6.9	32.0- 14.0	July	296.9	35.0- 22.0
February	15.8	34.0-17.0	August	362	35.0- 21.0
March	28.2	37.0-17.0	September	249.6	34.0- 21.0
April	28.7	39.0- 19.0	October	203.5	32.0- 16.0
May	100.7	38.0- 21.0	November	45.9	35.0- 22.0
June	195.7	40.0- 24.0	December	5	31.0-14.0

Note:
Send labelled original photographs of all technology interventions demonstrated in the NICRA villages separately in the JPEG format only