

Action Plan Format For 2023-24
(Yearly plan prepared prior to start
of *Kharif* season in May-June)

KVK – Bahraich – I

1. Details about the existing NICRA villages

S No	Details	Village 1	Village 2	Village 3	Village 4
1	Name of the village	Baundi	Rani Bagh	Jabdi	
2	Involved in TDC since (year)	2011-12 (12)	2020 - 21 (3)	2021-22 (2)	
3	Cultivated area (ha)	529.93	260.60	153.20	
4	Rainfed Area (ha)	188.10	115.60	48.20	
5	Irrigated Area (ha)	381.83	145.40	105.00	
6	Flood affected area (ha)	434.00	188.40	123.50	
7	Total Area of village (ha)	627.97	280.90	185.9	
8	No. of households in the village	480	250	195	
9	Approximate households covered so far	122	85	58	

2. Divide the NICRA villages into predominant farming system typologies

S No	Farming System Typologies	Vill. Baundi			Vill. Rani Bagh			Vill. Jabdi		
		Area (ha)	No. of farmers (approx.)	% coverage of the typology (area in the village)	Area (ha)	No. of farmers (approx.)	% coverage of the typology (area in the village)	Area (ha)	No. of farmers (approx.)	% coverage of the typology (area in the village)
1	Rainfed without animal	162.70	144	25.9	94.5	96	33.64	45.60	56	24.52
2	Rainfed with animal Crop-1/ Soil-1	22.4	15	3.56	21.1	21	7.51	2.6	5	1.39
3	Rainfed with animal Crop-2/ soil-2	-	-	-	-	-	-	-	-	-
4	Irrigated without animal	292.59	229	46.59	105.20	108	37.45	79.4	112	42.71
5	Irrigated with animal	89.24	92	14.21	40.20	25	14.31	25.6	22	13.77
6	Other predominant system	-	-	-	-	-	-	-	-	-

4. Identify Promising resilient technologies for addressing the constraints

S No	Farming System Typologies	Vill. Baundi			Vill. Rani Bagh			Vill. Jabdi		
		Climate constraints	Resource /Crop/ Animal constraints	Other constraints	Climate constraints	Resource /Crop/ Animal constraints	Other constraints	Climate constraints	Resource /Crop/ Animal constraints	Other constraints
1	Rainfed without animal	1. Early Sowing/Transplanting of Kharif Crops 2. Late Sowing of Rabi Crop 3. Summer sowing 1. Short to mid Duration Paddy : NDR 2065, PR-126 2. Late Sown Wheat : HD3271, HD3118 3. Crop Diversification : Toria, Mustard, Lentil 4. Summer Maize 1. Capacity Building 2. Seed Bank 3. Agro Advisory via IT Tools: WhatsApp			1. Early Sowing/Transplanting of Kharif Crops 2. Late Sowing of Rabi Crop 3. Summer sowing 1. Short to mid Duration Paddy : NDR 2065, PR-126 2. Late Sown Wheat : HD3271, HD3118 3. Crop Diversification : Toria, Mustard, Lentil 4. Summer Maize 1. Capacity Building 2. Seed Bank 3. Agro Advisory via IT Tools: WhatsApp		1. Early Sowing/Transplanting of Kharif Crops 2. Late Sowing of Rabi Crop 3. Summer sowing 1. Short to mid Duration Paddy : NDR 2065, PR-126 2. Late Sown Wheat : HD3271, HD3118 3. Crop Diversification : Toria, Mustard, Lentil 4. Summer Maize 1. Capacity Building 2. Seed Bank 3. Agro Advisory via IT Tools: WhatsApp		1. Early Sowing/Transplanting of Kharif Crops 2. Late Sowing of Rabi Crop 3. Summer sowing 1. Short to mid Duration Paddy : NDR 2065, PR-126 2. Late Sown Wheat : HD3271, HD3118 3. Crop Diversification : Toria, Mustard, Lentil 4. Summer Maize 1. Capacity Building 2. Seed Bank 3. Agro Advisory via IT Tools: WhatsApp	
2	Rainfed with animal CROP-1/ Soil-1									
3	Rainfed with animal CROP-2/ Soil-2									
4	Irrigated without animal									
5	Irrigated with animal									
6	Other predominant system									

5. Categorization of the identified technologies in to NRM, Crops and Livestock in each of the village for taking up demonstrations during 2023-24

S No	Farming System Typologies	Vill Baundi				Vill Rani Bagh				Vill Jabdi			
		NRM	Crop	Livestock	Total	NRM	Crop	Livestock	Total	NRM	Crop	Livestock	Total
1	Rainfed without animal	1. Field Bunding 2. Crop Residue management 3. Fertilizer Saving	1. Medium Duration paddy 2. Late Wheat 3. Summer Maize 4. Mustard 5. Lentil 6. Horticultural Crops	1. Green Fodder: Sudan Chari 2. Napier Grass 3. Barseem	190	1. Field Bunding 2. Crop Residue management 3. Fertilizer Saving	1. Medium Duration paddy 2. Late Wheat 3. Summer Maize 4. Mustard 5. Lentil 6. Horticultural Crops	1. Green Fodder: Sudan Chari 2. Napier Grass 3. Barseem	190	1. Field Bunding 2. Crop Residue management 3. Fertilizer Saving	1. Medium Duration paddy 2. Late Wheat 3. Summer Maize 4. Mustard 5. Lentil 6. Horticultural Crops	1. Green Fodder: Sudan Chari 2. Napier Grass 3. Barseem	343
2	Rainfed with animal CROP-1/ Soil-1												
3	Rainfed with animal CROP-2/ Soil-2												
4	Irrigated without animal												
5	Irrigated with animal												
6	Other predominant system												

- Integrate multiple technologies at the household so that we can assess the impact of multiple technologies at the household level
- Newly introduced resilient varieties are to be demonstrated for a minimum of 2 years
- Prepare for other villages also

6. No. of farmers involved in each of the village for demonstrations during 2023-24 (technology wise)

S No	Farming System Typologies	Vill Baundi				Vill Rani Bagh				Vill Jabdi			
		NRM	Crop	Livestock	Total	NRM	Crop	Livestock	Total	NRM	Crop	Livestock	Total
1	Rainfed without animal	-	-	-	-	-	-	-	-	-	-	-	-
2	Rainfed with animal CROP-1/ Soil-1	-	-	-	-	-	-	-	-	-	-	-	-
3	Rainfed with animal CROP-2/ Soil-2	-	-	-	-	-	-	-	-	-	-	-	-
4	Irrigated without animal	20	110	-	130	20	110	-	130	60	120	-	180
5	Irrigated with animal	-	-	60	60	-	-	60	60	-	-	60	60
6	Irrigated with Horticultural Crop	-	-	-	-	-	-	-	-	-	103	-	103

7. Scaling out of Promising Climate Resilient Technologies and proposed number of farmers to be involved (in convergence with development departments)

S No	Farming System Typologies	Vill Baundi				Vill Rani Bagh				Vill Jabdi			
		Climate Resilient Technology	Convergence with Scheme	No. of farmers proposed to be involved	Area to be covered (ha)	Climate Resilient Technology	Convergence with Scheme	No. of farmers proposed to be involved	Area to be covered (ha)	Climate Resilient Technology	Convergence with Scheme	No. of farmers proposed to be involved	Area to be covered (ha)
1	Short/ Medium Duration Paddy			30	12			30	12			30	12
2	Late sown wheat			30	12			30	12			40	16
3	Summer Maize			10	2			10	2			10	2
4	Mustard			20	8			20	8			20	8
5	Lentil			20	8			20	8			20	8
6													

Activities and Cost

8. NRM Interventions;

8.1. Repair / Renovation of existing water harvesting structures, drainage channels etc.:

SI No.	Village 1, 2, 3, etc.	Intervention	Dimensions	No. of units	No. of farm households proposed to be involved	Convergence value, if any (Rs)	Value of farmers share (Rs)	Cost to project (Rs)
	Field Bunding*	-	-	100	60	-	-	-
		Sub-total 8.1						

- With the help of State Agriculture Department

Activities and Cost

8. NRM Interventions;

8.2. In situ conservation – Resource Conservation Technologies (RCTs), etc.

SI No.	Village 1, 2, 3, etc.	Intervention	Unit cost Rs/ha A	Coverage Proposed		Total amount (Rs) A x C	Remarks
				Area (ha) B	No. of farm households proposed to be involved C		
	Vill Baundi Vill Rani Bagh Vill Jabdi	Crop Residue Management using Machinery	6000	20	50	120000	
		Fertilizer Management (LCC)	180	18.2	45	8100	
		Crop Residue Management using Pusa Decomposer	6000	20	50	270000	
		Sub-total 8.2.					

Activities and Cost

9.Crop Interventions;

9.1. Stress tolerant / improved varieties / Short duration / Legume crops, etc..

Sl No.	Village 1,2,3 etc.	Intervention	Description		Cost (Rs/ha) A	Coverage Proposed		Total amount (Rs) A x C	Remarks
			Crop	Variety (s)		Area (ha) B	No. of farm households to be involved C		
	Vill Baundi Vill Rani Bagh Vill Jabdi	Short/Medium Duration Paddy	Paddy	NDR-2065	1500	36	90	54000	
		Late Sown Wheat	Wheat	HD 3271/3118	4500	40	100	180000	
		Summer Maize	Maize	Hy Ver	2200	15	30	33000	
		Crop Diversification	Mustard	Pant Sweta/RH 725	1000	25	60	25000	
			Lentil	PL-9	4500	25	60	112500	
		Sub Total 9.1.						404500	

Activities and Cost

9.Crop Interventions;

9.2. Improved agronomic practices and other crop interventions, etc..

Sl No.	village	Intervention	Description		Cost (Rs/ha) A	Coverage Proposed		Total amount (Rs) A x C	Remarks
			Crop	Variety (s)		Area (ha) B	No. of farm households to be involved C		
	Vill Baundi Vill Rani Bagh Vill Jabdi	Crop Diversification	Garlic	G282	90000	0.4	15	36000	
			Onion	NHRDF Red	25000	0.4	15	10000	
			Okra	Hy ver	40000	2	20	80000	
			Bottle Gourd	Hy ver	21000	2	20	42000	
			Bitter Gourd	Hy Ver	12000	1	15	12000	
			Fruit – Mango	Amrapali/ other newly release variety	12500	1.6	9	20000	
			Fruit – Guava	CISH - Lalit/ other newly release variety	12500	1.6	9	20000	
		Sub Total 9.2.						220000	

Activities and Cost

10. Livestock and Fisheries

10.1. Feed demonstrations for crop residue management / stress management: silage / feed blocks/ mineral mixture (MM) blocks / feed enrichment, etc..

Sl No.	Details of feed intervention	Unit cost of intervention (Rs.)	No. of farm households to be involved	Total amount (Rs/ha)	Remarks
	Health Camp – 3	50000	90	150000	with help of state Vet. Department
	Sorghum	20000	90	20000	
	Napier Grass	10000	90	10000	
	Barseem	6500/ha	100 (15)	97500	
	Sub-total 10.1.			277500	

10.2. Establishment of Seed banks / Fodder banks, etc..

Sl No.	Seed bank/Fodder Bank	Seed of crop and variety/ Fodder crop/ variety	Quantity of seed/ fodder produced/ storage (t)	Unit cost (Rs.)	No. of farmers involved	Amount (Rs.)	Remarks
	Seed bank	Paddy	1500	60000 x 3	-	180000	
		Wheat	3000				
		Mustard	300				
		Lentil	200				
	Sub-total 10.2.					180000	

Activities and Cost

11. Non-recurring contingencies – Equipment

Proposal for Procurement of climate related farm machinery/ implements for Custom Hiring center at Vill. Jabdi/KVK Bahraich-I

S. No.	Item	Unit cost (Rs)	No. of units	Total amount (Rs)
1.	Cultivator	25000	2	50000
2.	Harrow	120000	2	240000
3.	Rotavator	180000	2	360000
4.	Super Seeder	350000	1	350000
5.	Multi-Crop Seed Drill cum Planter	120000	1	120000
6.	Ridge Bed Planter	100000	1	100000
7.	Multi Crop Power Thresher	150000	1	150000
8.	Power Tiller	250000	1	250000
9.	Brush Cutter	50000	2	100000
10	Winnowing cum Grading Machine	80000	1	80000
	Total NRC			1800000

12. Capacity Building & Other extension activities

12.1. Training programmes proposed for the year

Theme	Title of training programme	Proposed month	No. of participants	Cost (Rs.)
Crop Production	Production Technology of crops (5 Trainings)	-	100	90000
Seed Storage	Seed Storage Technology for preservation of high value seeds	-	20	18000
Vegetable Production	Nursery Raising technology of vegetables	-	20	18000
Farm Mechanization	Efficient Machineries for Crop Production	-	20	18000
Green Fodder	Production Technology of green fodder (2 Trainings)	-	50	36000
Home Science	Value Addition opportunities in various crops	-	25	18000
Sub-total 12.1.				198000

12.2. Field Days/Exposure visits/Awareness programmes/Kisan melas/Kisan ghosti proposed for the year

Theme	Title of Programme	Proposed month	No. of participants	Cost (Rs.)
Paddy	3-Field Days for each crop (one in each adopted villages)	Sept-Oct	180	45000
Wheat		Feb-March	180	45000
Lentil		Feb-March	150	45000
Mustard		Jan-Feb	150	45000
Maize		Feb March	120	45000
Sub-total			780	225000
12.2.				

13. Publications and Media products proposed to be Developed

13.1 Publications

Publication	Nature of Publication (Book/Bulletin/ Brochure etc.)	Proposed during the month	No. of Copies	Cost (Rs.)
Recommended Interventions in NICRA villages of Bahraich for fight against Climate Change	Book	Feb March	200	100000
Extension Literatures	Leaflets (10 Nos)	Feb – March	5000	25000
Research Article	In High NAAS Rated Journal	Feb – March	50000	50000
Sub-total 13.1.			55200	175000

13.2 Video Films

Video Film to be prepared	Duration (Minutes)	Proposed during the month	Cost (Rs.)
3 (Three)	10-15 minutes	Feb March	30000
Sub-total 13.2.			30000

14. Summary of cost Estimates for 2023-24

Item number	Title of the Item	Amount (Rs.)
8.1	Repair / Renovation of existing water harvesting structures, drainage channels etc	0.00
8.2	In situ conservation – Resource Conservation Technologies (RCTs), etc.	398100.00
9.1	Stress tolerant / improved varieties / Short duration / Legume crops, etc..	404500.00
9.2	Improved agronomic practices and other crop interventions, etc..	220000.00
10.1	Feed demonstrations for crop residue management / stress management: silage / feed blocks/ mineral mixture (MM) blocks / feed enrichment, etc..	277500.00
10.2	Establishment of Seed banks / Fodder banks, etc..	180000.00
11	Non-recurring contingencies – Equipment Proposal for Procurement of climate related farm machinery/ implements for Custom Hiring center at Vill. Jabdi/KVK Bahraich-I	1800000.00
12.1	Training programmes proposed for the year	198000.00
12.2	Field Days/Exposure visits/Awareness programmes/Kisan melas/Kisan ghosti proposed for the year	225000.00
13.1	Publications	175000.00
13.2	Video Films	30000.00
	Grand total (Rs.)	3908100.00

15. Plan for the spread of the proven practices (Convergence with departments, linkages with development organisations, etc.,)

Sl. No	Proven technology/ Capacity building	Department involved	Strategy	Input arrangement / contribution from the department	Amount mobilised (Rs. In Lakhs)
1.	Field Leveling And Bunding	State Agriculture Department, Bahraich	Soil and Water Conservation strategy		25.00
2.	Cereal Paddy production		NRD 2065		10.00
3.	Cereal Wheat production		HD 3271		10.00
4.	Cereal Wheat production		DBW 187		15.00
5.	Oil seed Production- Mustard		PPS – 1/Pant Shweta		5.00
6.	Pulses production - Lentil		PL-9/PL-8		25.00
	Total				90.00

Thank you