

Annual Action Plan Format (2021-22)

[For New KVKs]

NATIONAL INNOVATIONS IN CLIMATE RESELIENT AGRICULTURE - TECHNOLOGY DEMONSTRATION COMPONENT

A. Basic information

S.No.	Item	Detail
1.1	Zone	Zone V
1.2	Name of KVK (district)	Bhadrak
1.3	Name of Tehsil	Dhamnagar
1.4	Name of Village	Fatepur
1.5	Climatic vulnerability	Flood

B. Module-wise climate resilient practice/technology to be demonstrated for the year 2021-22

NICRA ACTIVITY PLAN

SL.NO	Farming System Typologies	Interventions		
		Crop production	Livestock/Fishery	NRM
1	Rainfed medium Land- animal	Income generating activity- Mushroom production (20 Family)	Fish production in community tank.(1 no) Poultry (8 no)	-Repairing of pond Dyke -Cleaning and Leveling of Pond dyke (1 no)
2	Rainfed lowland - animal	Hermetic bags for safe storage of green gram (10 bag for 10 family) Income generating activity- Mushroom production(20 Family)	Fish production (4 no) Poultry(8 no)	
3	Irrigated medium Land- animal	IPM measures in summer Rice(10 no) IPM practices against YMV in green gram(10 no) Application of water soluble fertilizers(19-19-19) in Greengram (15 no) PGR in vegetables Crop (20 no) PP-measures in Vegetables crop (20 no) Hermetic bags for safe storage of Greengram (30 bag for 30 family) Income generating activity -QPM- Brinjal, Chilli (20 family)		Sprinkler irrigation 3 acre (15 no)

1.0 Non-recurring contingencies – Equipment

Procurement of farm machinery/ implements for Custom Hiring Centre (CHC)

S.No.	Item	Unit cost* (Rs)	No. of units	Amount (Rs)
1.	Power weeder (Honda Make) Model F-300	50000	1	50000

2	Diesel pump set (Honda Make) Model-WV 30D,5HP Size 3x3	30522	1	26000
3	Standard accessories for pump set i.e Suction/delivery pipe, foot valve, bend etc.	4522	1	4522
	Seed cum fertilizer drill (Tractor drawn)	60000	1	60000
3	Sugarcane bud chipper	2700	3	8100
4	Rain gauge	3481	2	6962
5	Digital weighing balance (10 kg,HSN code-8423	649	1	649
6	Digital weighing balance 50 kg,(Hanging) HSN code-8423	383.50	2	767
	Total NRC		12	1,57,000

2.0 Module 1 – NRM interventions

A) Repair / Renovation of existing water harvesting structures & drainage channels etc.

S. No.	Intervention	Dimensions	No. of beneficiaries	Convergence value, if any (Rs)	Value of farmers share, if any(Rs)	Cost to project (Rs)
1	Renovation of community pond (dyke development, drainage line repairing, earth filling etc.)	40 cent dyke area	50 families	0	5000	50,000
	Sub-total 3.1		50		5000	50000

B) In situ conservation – Resource Conservation Technologies (RCTs)

Item (specify)	Unit cost Rs/acre	No. of demos	Coverage		Amount (Rs)	Remarks
			Area (acres)	No. of farmers		
	A	B	C	D	A x C	
Sprinkler irrigation		3	3	10	17,253.60	For field crops
Sub-total 3.1					17,253.60	

3.0 Module II – Crop production interventions

A) Stress tolerant / improved varieties

Intervention	Description		Cost (Rs)/acre	No. of demos	Coverage		Amount (Rs)
	Crop	Var(s)			Area (ac)	No. of farmer	
			A	B	C	D	A x C
High temperature stress	Brinjal	Akshita, Tarini	40,000	15	0.3	15	12,000
	Chilli	Daya	40,000	15	0.3	15	12,000
Total			80,000	30	0.6	30	24,000

B) Improved agronomic practices and other crop interventions

Intervention	Cost (Rs)/ acre	No. of demos	Coverage		Amount (Rs)	Remarks (Purpose of intervention)
			Area (ac)	No. of farmers		
	A	B	C	D	A x C	
Foliar spray of water soluble fertilizers in greengram	600	15	15	15	9000	
IPM practices for summer rice	3500	10	5.0	10	17500	
IPM for YMV management in greengram	2000	10	5.0	10	10000	
Plant growth regulator, plant protection chemicals for vegetable crops	1000	20	4.0	20	4000	
Leafy vegetables – income generating	5000	50	1.0	50	5000	
Harvesting and post harvesting related interventions (hermetic storage bags)	120/bag	40	40	40	4800	
Income generation activities (Mushroom etc)	230/ demo	20		20	4600	
Use of sugarcane bud chipper.					4400	
Use of Agriculture sprayer					17,000	
Use of sugarcane bud stripper					3200	
Total					79,500	

4.0 Module 3 – Livestock & Fisheries interventions

C. Livestock / Fisheries units

A	B	C	D	E	F	G
Enterprise/unit*	Unit cost (Rs)	Convergence share in unit cost, if any** (Rs)	Project share in unit cost (Rs)	No. of units	Cost to Project (D x E) (Rs)	Remarks (purpose of intervention & farmers covered)
Fish production in community tank	6000		6000	4	24000	
Round the year yearling production	5500			2	11,064	
Poultry	700		700	15	10500	
Total					45,564	

6.0. Capacity Building & Training Programmes

A. Training Courses

Theme	Title of training course	Proposed month	No. of participants	Cost to project (Rs.)
ICM	Integrated crop management in greengram	March	30	3060
IPM	IPM for pest management in summer rice	March	30	3060
Mushroom	Mushroom production technology	March	30	3060
Fishery	Production of table sized fish	March	30	3060
Horticulture	Use of plant growth regulator in vegetable crops	March	30	3060

Other extension activities	Awareness program, soil test campaign	March	100	5000
Total	5		150	20,300

B. Exposure Visits

Place of visit	Purpose of visit	Proposed month	No. of participants	Cost to project (Rs.)
OUAT, Bhubaneswar	To aware about technologies for minimizing effect of climatic vulnerability	March	20	20000
Total			20	20000

7.0 Contractual Manpower (SRFs)

Name with contact numbers	Salary (Rs.)	No. of months	Amount (Rs.)
Bhanumati Dhinda	31000 +HRA	1.5	54636
Total			54638

Summary of budget Estimates for 2021-22 (Tentative)

S.N.	Item	Amount (Rs)
1.	Procurement of farm machinery/implements for CHC	1,57,000
2.	Repair/ Renovation of existing water harvesting structures & drainage channels etc.	50,000
3.	<i>In situ</i> conservation – Resource Conservation Technologies (RCTs)	17,254
4.	Stress tolerant/ Improved varieties	24,000
5.	Improved agronomic practices and other crop interventions	79500
6.	Livestock/fisheries units	45,564
7.	Training courses	20300
8.	Exposure visits	20000
9.	Contractual manpower (SRFs)	54,638
10.	Any other contingencies (office)	53,075
11.	TA	8000
12.	Other expenses (Miscellaneous)	17,669
13.	Total	5,47,000