

NICRA - Action Plan Format for 2020-21

(Yearly plan prepared prior to start of *Kharif* season in April/May)

1. Basic information about NICRA cluster

DISTRICT: NAMAKKAL

S. No.	Item	Existing NICRA village	Additional villages selected in the programme*	
			Village 1	Village 2
1.1	Village name	Vadavathur & Jambumadai	Muttanchetti	Seventhipatti
1.2	Name of mandal /Block	Erumapatti	Erumaipatti	
1.3	Total area (ha)	525 ha	894	783
1.4	No. of house holds	829	1200	1030
1.5	Extent of rainfed area (ha)	320 ha	743	521

2. ACTIVITIES AND COSTS

A. Module-wise resilient technologies proposed to be demonstrated for the year 2020-21

S. No.	Module	Climatic constraint addressed	Key intervention	No. of farmers proposed to be involved	Measurable indicator (s)
1	NRM	Soil health card	Based on soil nutrient availability	500	
1	Crop production	Seed banks		42	
		30 % storage losses (discoloration, rotting and germination of bulbs) in the indigineous storage method due to poor ventilation, aeration, heat building in the summer and entry of water during rainy season	Low cost Onion storage structure - Directorate of Onion and Garlic Research, Pune (DOGR) – Panipat model	18	To store small onion bulbs, which is cultivated during kharif and rabi season to get premium price, extend the storage peroid and also to minimize the storage loss.
3	Livestock & Fisheries	Drought	Mixed fodder		Feeding Management
		Drought	Development of trees around animal shed	10	Production performance
		Drought	Backyard native	20	Income generation

			chicken		
		Drought			
		Drought	Vaccination	2500 animals	To reduce mortality
4	Institutional interventions	Training programme	Seed production technology	50	Crop production
		Training programme	Seed bank activities	50	Crop production
		Training programme	Small onion storage structure methods	50	Crop production
		Training programme	Vegetable cultivation practices	50	Crop production
		Training programme	Integrated livestock management	50	Livestock
		Field days	Groundnut seed production	50	Crop production
		Field days	Sorghum seed production	50	Crop production
		Field days	Small onion storage structure	50	Crop production

3. Module II – Crop production interventions

A. Natural resource management

Intervention	Cost (Rs/acre)	No. of demos	Coverage		Amount (Rs)	Remarks (Purpose of intervention)
			Area (ac)	No. of farmers		
Soil health card	100	100	100	100	10,000	Based on available nutrient in the soil

3.1. Improved agronomic practices and other crop interventions

B. Establishment of Seed banks

Name of the SHG	Crop and variety	Quantity of storage (t)	Unit cost (Rs.)	No. of units	Amount (Rs.)	Remarks (No. of beneficiaries & Period of use)
Muttanchetti Group	Groundnut (Dharani)	2.40 ton	Rs.5285 (50 kg seeds+1 kg Pseudomonas+1kg biofertilizer+1 kg Groundnut rich + IPM Kit)	12	63420.00	60 farmers will be benefitted in next season (6 months after)

Jambumadai Group	Black gram (VBN-8)	0.50 ton	Rs.1730 (4 kg seeds+1 kg Pseudomonas+1kg biofertilizer+1 kg Pulse wonder + IPM Kit)	10	17300.00	125 farmers will be benefitted in next season (6 months after)
Jambumadai Group	Rainfed Sorghum (CO-4)	2.3 ton	Rs.2010 (10 kg seeds+1 kg Pseudomonas + 1kg biofertilizer+1 litre PPFM + 4 kg MN Mixture)	10	20100.00	75 farmers will be benefitted in next season (6 months after)
Vadavathur Group	Redgram Hanuma (TDRG 4)	0.25 ton	Rs.1585 (2.5 kg seeds+1 kg Pseudomonas+1kg biofertilizer+1 kg Pulse wonder + IPM Kit)	10	15850.00	100 farmers will be benefitted in next season (6 months after)
Packing cloth bag @ Rs.20/bag	Rs.20	250 Nos.	5000.00	-	-	Packing and distribution purpose
Gunny bad @ Rs.65/bag	Rs.60	120 Nos.	7200.00	-	-	Packing and distribution purpose
Pesticides for seed treatment & rat protection	Rs.500	5 kg	2000.00	-	-	Packing and distribution purpose
One casual labour for 3 months (seed cleaning, drying, seed treatment, packing and distribution) @Rs.319/day = Total 60 days	319	60 days	19140.00	-	-	Packing and distribution purpose
Sub-total	5.45 tons			-	150010.00	340 farmers will be benefitted

c. Low cost Onion storage structure

Intervention	Cost (Rs/acre)	No. of demos	Coverage		Amount (Rs)	Remarks (Purpose of intervention)
			Area	No. of		

			(ac)	farmers		
Low cost Onion storage structure	Rs.13,000/- NICRA share: Rs.8333/- Farmers share: Rs.5000/-	18	18	18	2,40,000 NICRA share: Rs. 1,50,000/- Farmers share: Rs.90,000/-	To increase the storage life of small onion and to minimize te storage loss

4. Livestock & Fisheries interventions

4.1. Year round fodder production strategies (annual/perennial fodder) in the village

Season	Name of fodder	Variety	Area (ha)	Unit cost of demo (Rs/ha)*	No. of demos	Total amount (Rs/ha)*	Remarks (purpose of intervention & No. of farmers covered)
Kharif	Mixed Fodder	CoFS29 & CO4	55	Rs.410	55	22550	To provide green fodder for better productivity and performance
Subtotal						22550	

4.2 Feed demonstrations for crop residue management / stress management: silage / feed blocks/ mineral mixture (MM) blocks / feed enrichment

Details of feed demo*	Unit cost of demo (Rs)	No. of demos	Total amount (Rs/ha)	Remarks (purpose of intervention & No. of farmers covered)
Silage demos	Silage unit (Farmer share; Purchase of fodder crop, NICRA share: Silage bag @ 400/bag Jaggery @ 300/bag	30 (5 bags /farmer)	1,05,000	To develop an entrepreneur with onion crop residue making in commercial mode to overcome green fodder deficiency during summer and to improve animal productivity
FMD vaccine & RDVK			15,000	
Subtotal			1,20,000	

5. Capacity Building & Training Programmes

5.1 Training Courses proposed

Theme	Title of training course	Proposed month	No. of participants	Cost to project (Rs.)
Crop production	Seed production technology	July	50	2000
Crop production	Seed bank activities	September	50	2000

Crop production	Small onion storage structure methods	August	50	2000
Crop production	Vegetable cultivation practices	December	50	2000
Livestock	Integrated livestock management	October	50	2000
Sub-total		-	250	10,000

5.2 Field Days proposed

Theme	Title of training course	Proposed month	No. of participants	Cost to project (Rs.)
Crop production	Groundnut seed production	November	100	1500
Crop production	Sorghum seed production	January	100	1500
Crop production	Small onion storage structure	November	100	1500
Sub-total				4500

6. Contractual Manpower (SRFs/YPs)

Category	Rate/month (Rs.)	No. of months	Amount (Rs.)
Senior Research Fellow	25,000.00	12	3,00,000
Sub-total	25,000.00	12	3,00,000

7. Media Products to be developed (video films/brochures/bulletins proposed to be developed)

Item description	No. of copies	Amount (Rs.)
Video coverage		50,000
Mobile app		10,000

Summary of budget Estimates for 2020-21 (Tentative)

Item number	Title of the Item	Amount (Rs.)
	Soil health card	10,000
2	Establishment of seed banks	150010.00
	Improved agronomic practices and other crop interventions (Low cost onion storage method)	1,50,000
	Year round fodder production strategies (annual/perennial fodder) in the village	22550
	Feed demonstrations for crop residue management / stress management: silage / feed blocks/ mineral mixture blocks / feed enrichment	1,20,000
	Training courses	10,000

	Field days	4,500
	Contractual manpower (SRFs/YPs)	3,00,000
	Media products to be developed	60,000
	Travel expenses	-
	Any other contingencies (TA etc)	50,000
	Permanent equipment	-
	IT	-
Grand total (Rs.)		8,77,060