## **Annual Report (NICRA-TDC) – 2018-19**

## Name of the KVK:- Ganjam-I Village -Chopara, Lepa, Chikili & Dungapalli

**Module-1: Natural Resource Management Interventions** 

Interventions	Technology demonstrated	Critical inputs provided	No. of farmers	Area under the villa	_	Measu indicator		Economic	s of demoi (Avera	,	Rs./ha)
	crop and variety*	U	in the demonst			yields* (Aver	(q/ha)	Gross Cost	Gross Return	Net Return	BCR
		systems, seed etc)	ration	After	Before	Demo	Local				
In situ maistum	Doising of	Pesticides		intervention	intervention		practice				
In-situ moisture conservation	C										
			22	6.0		Rice-38.10	36.20	26000	56007	30007	2.15
measures	height by 1.0 ft.(Rice-		22	0.0	-	Kice-36.10	30.20	20000	30007	30007	2.13
(BBF/Ridge&furrow/cont	,										
_		Seed ,pesticides									
trenching/mulcing/conser		•									
vation furrow/bunding			08	2.0	0.5	Cowpea-	38.2	45000	92400	47400	2.05
etc)	furrow method		00	2.0	0.5	46.4	36.2	43000	92400	47400	2.03
,	in upland										
		Seed	12	5.0	1.0	Rice-37.4	34.3	28000	54978	26978	1.96
	manuring by		12	5.0	1.0	14166 37.4	54.5	20000	34770	20770	1.50
	Dhanicha(Dha										
	nicha-Rice-										
	Bina-11)										
	Poly mulching	To be done									
	in Tomato,										
	Brinjal										
	, ,										
Water harvesting and	Check dam	cement, stone	46	Paddy ,	03 ha.						
	repairing			vegetable-							
supplemental irrigation				irrigation-							
(Community				· ·							
ponds/farmponds/jalkunds				14ha.							

/ checkdams/polybag	Popair of	To be done					
	Defunct well						
checkdams/ wens etc)	Defunct wen						l
	Desilting of	To be done					
	farm pond	l'o de done					
	larm pond						
	percolation	To be done					
	tank						1
Improved drainage in	1						1
flood prone areas							1
Conservation tillage	,						
where appropriate like							<u> </u>
zero tillage/ minimum	1						1
tillage etc							
Artificial ground water	ſ						
recharge measures							
Water saving irrigation	1						
methods							
(Drip/sprinkler/raingun							l
etc)							<b> </b>
Crop residue							l
incorporation instead of	t						l
burning							<del>                                     </del>
Any other							l
*Mention crop being tal	ken up in each	demonstrations					

**Module 2: Crop Production Interventions** 

Interventions	Technology	Critical input	No. of		Measu					lemonstr	ation	Econo		Local (R	ks./ha)
	demonstrate d along with	(Variety, Fertilizer/	farmers benefitte	taken up			increase in yield		(Rs./ (Aver				(Ave	rage)	
	crop and	Machinery,	d	(ha)	(q/l	•	over		`	8 /					
	variety*	etc)			Demo	Local		Gross	Gross	Net	BCR		Gross		BCR
		~						Cost		Return				Return	
	•	Seed,Pesticides	20	0.0	240	21.2	10	24000	51156	27156	2.12	23000	454	22864	2.0
varieties	11		20	08	34.8	31.2	12				2.13				
demonstrated															
	Pigeonpea- PRG-176	seed	30	12	Cont.										
Drought tolerant	Paddy -	Seed, Pesticides						17800	32781	14981		17000	27342	10342	1.61
varieties	Sahabhagi		30	12	22.3	18.6	20				1.84				
demonstrated	dhan		30	12	22.3	10.0	20				1.04				
Flood tolerant	Rice-	Seed,Pesticides						30500	62622	32122		29500	59976	30476	
varieties	Swarnasub-1		15	06	42.6	40.8	04				2.05				2.03
demonstrated			13	00	42.0	40.0					2.03				2.03
	Variety-II														
Advancement of															
planting dates of															
rabi crops in areas															
with terminal heat															
stress															
Water saving paddy															
cultivation methods															
(SRI, aerobic, direct															
seeding)															
Frost management in															
horticultural crops															
through fumigation															

	I		1		1		1	1		
Community										
nurseries for delayed										
monsoon										
Custom hiring										
centres for timely										
planting										
Location specific	Maize +	Seeds	To be							
intercropping	Cowpea		done							
systems with high										
sustainable yield										
index										
Moisture tolerant	Groundnut,	Rhizobium,	To be							
Groundnut var. Devi	var- devi ,seed	seed, pesticides	done							
in Rabi season	treatment with	_								
	Rhizobium @									
	20gram/kg of									
	seed 01 hour									
	before sowing									
Demonstration on	Blackgram -	Seed,	40	15	Cont.					
High yielding Short	PU-31, seed	Rhizibium,								
duration heat tolerant	treatment with	foliar								
Blackgram var. PU-	Rhizobium @	nutrient,pesticid								
31	20gram/kg of	es								
	seed 01 hour									
	before									
	sowing,Foliar									
	application									
	of NPK									
	(19:19:19) @									
	10 gram/lt at									
	25 & 40									
	DAS.,	G 1	70	2.5						
Growing of short		Seed,	70	25	cont					
duration Greengram		Rhizibium,								
variety IPM-02-3 to										
avoid YMV		pesticides								
incidence during	Rhizobium @									

high temperature	20gram/kg of								
	seed 01 hour								
	before sowing								
	,Foliar								
	application								
	of NPK								
	(19:19:19) @								
	10 gram/lt at								
	25 & 40								
	DAS.								
Heat tolerant Tomato	Chiranjibi	Seedling,pestici	To be						
variety		des	done						

<sup>\*</sup>Make a separate row for each crop and variety demonstrated

**Module-3: Livestock & Fisheries** 

Interventions	Technology demonstrate d	Critical input (Variety, Breed,	No. of farmers	Unit/ No. / Area (ha)	indicators of output*		ors of increase ut* over local		(Average)			Econo	(Rs.	demonst /ha) rage)	ration
		etc)			Demo	Local		Gross Cost	Gross Return		BCR		Gross Return		BCR
Use of community lands for fodder production during droughts / floods															
Introduction of new fodder crops or new varieties															
	Hybria nanier	Seed, foliar nutrient	04	0.4	Fodde r yield- t/ha, milk yield- lt./day	Cont.									

Preventive vaccination	Deworming	Vaccine – fenbendaz ole @7.5/kg/b ody wt.	04	44 animals (Goat)	Body wt. (gm/m onth)						
	Animal health camp	Vaccine, dewormin	34	animals (cattle, goat)							
		stone,mos	04	16 animals	Lactati on/yr- 980	900	8.8				
Introduction of improved breeds  Management of fish ponds / tanks during water scarcity and excess water											
Improved feeding like location specific mineral mixtures or mineral	(a)	Mineral	20	40 animals	Lactation (lt/yr)						
Composite fish culture by stocking of yearlings of Catla, Rohu and	vearlings of	Yearling ,feed	04	1.6	Cont.						

Mrigal	and Mrigal @							
	5000 nos/ha							
	at a ratio of							
	3:4:3 with							
	proper water							
	quality							
	management							

<sup>\*</sup> Output is in terms of litres (\*milk), number (eggs), kgs (meat), kg/ha (fodder yield)

## **Module-4: Institutional Interventions**

Interventions		Details of activi		Critical input (Breed / Variety /	No. of farmers	Unit / No. /
	Name of crops /varietie Commodity groups / Implements		Technology used in seed / fodder bank & function of groups	Medicine doses)		Area (ha)
Seed bank						
Fodder bank						
Commodity groups						
	Power sprayer	Rs.20/hr	25 hr			
	Diesel Water pump Set	Rs.30/hr	30 hr	_		
Custom hiring centre	MB plough	Rs.20 /hr	25 hr	On Hiring basis	62 nos	38
	Mini weeder	Rs.20/hr	30 hr	-		
	Reaper	Rs.100/hr	30 hr	_		
	Thresher cum winnower	Rs.30/hr	40 hr	_		

	Power tiller	Rs.40/hr	44 hr		
Collective marketing					
Climate literacy through a village level weather station					
Any other (Pl. specify)					

## Module-5: Capacity Building taken up (HRD)

Sl. No.	Thematic area	Title of training	No. of Courses	No. of ber	neficiaries
				Male	Female
2	IPM	IPM in Paddy	01	21	04
6	Planting material production	Management of Nursery, grafting technique	01	18	07
7	Production & management	Composite Pisciculture	01	22	03

**Module-6: Extension Activities** 

Name of the activity	Details about the	Number of programmes	No. of ber	eficiaries	Remarks
	activity		Male	Female	
Field days	Field days	02	52	15	Blast & BPH Management in Paddy
Method demonstrations	Method demonstrations	03	54	11	Seed treatment, Weedicide application, alley making)
Awareness	Awareness	02	33	14	On PMFBY, soil health management
Group meeting	Group meeting	08	56	14	On diff. demonstration and its impact
Others (if any)					

Sd/

Senior Scientist & Head KVK, Ganjam-1