

KVK, BHANJANAGAR, GANJAM-1, ODISHA

Annual Progress Report NICRA (April, 2012 to March, 2013)

Name of KVK: (Bhanjanagar, Ganjam-I)

Village: - Chopara

Module-1: Natural Resource Management

Interventions	Technology demonstrate	Critical input (Variety, Fertilizer / Chemicals doses)	No. of farmers	Area (ha)	Measurable indicators of output*	Economics of demonstration (Rs./ha)			
						Gross Cost	Gross Return	Net Return	BCR
1	2	3	4	5	6	7	8	9	10
In-situ moisture conservation	Moisture conservation in Paddy	Ploughing by MB plough	15	5.0		22500	36800	14300	1.64
Water harvesting and recycling for supplemental irrigation	Renovation of old farm ponds	Labour Payment	25	1		-	-	-	-
Old farm well renovation	Desilting to increase water storage capacity	Labour Payment	12	12 no.		-	-	-	-
Green manuring	soil conservation by incorporating Dhanicha	Dhanicha Seeds	12	3.0		21400	35600	14200	1.66
Micro irrigation systems	Utilization of available irrigation water through sprinkler	2 sets of Sprinkler	04	1.0		48200	124000	75800	2.57
Recycling of organic matter	Minimization of nutrient cost through Vermicomposting	Vermin, financial assistance for Concrete rings	10	-		900	1350	450	1.50
Soil reclamation	Reclamation of acidic soil in Maize by applying Lime.	Lime	11	4.0		22400	48200	25800	2.15

Module-2: Crop Production

Interventions	Technology demonstration	Critical input (Variety, Fertilizer / Chemicals doses,)	No. of farmers	Area (ha)	Measurable indicators of output*		% increase	Economics of demonstration (Rs./ha)				Economics of Local (Rs./ha)			
					Demo	Local		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Demon. On Drought resistant var. Of Paddy	Draught resistant Paddy Var. Khandagiri	Seeds	40	20	27.4	22.6	21.23	12450	27400	14950	2.20	11300	22600	11300	2.0
	Draught resistant Paddy Var. Sahabhazi Dhan	Seeds	15	05	28.8	21.4	34.57	13500	28800	15300	2.13	12400	21400	9000	1.72
Micronutrient application	Application of Boron & Zinc in Paddy Var. MTU-1010	Seeds and Micronutrient	37	15	42.2	34.1	23.75	18200	42200	24000	2.31	16400	34100	17700	2.07
Application of Weedicide	Application of Pretilachlor in Paddy	Weedicide	24	10.0	32.2	28.6	12.58	14600	32200	17600	2.20	13500	28600	15100	2.11
Demonstration on HYV of Maize	HYV of Maize- <i>Super-36</i>	Seeds	14	5.0	47.5			18300	41800	23500	2.28				
Short duration	Greengram	Seeds	15	5.0	8.2	5.8		11300	32800	21500	2.9	1020	23200	13000	2.2

Interventions	Technology demonstration	Critical input (Variety, Fertilizer / Chemicals doses,)	No. of farmers	Area (ha)	Measurable indicators of output*		% increase	Economics of demonstration (Rs./ha)				Economics of Local (Rs./ha)			
					Demo	Local		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Greengram	Var. <i>TARM-1</i>										4	0			7
Groundnut	TMV-2	Seed treatment with Rhizobium, Fertilizer dose N:P:K – 20:40:40 kg./ha	10	5.0	16.8	12.4	26	18500	50400	33900	2.7	16000	37200	21200	2.3
Short duration Blackgram	Blackgram Variety- <i>Prasad</i>	Seeds	10	3.0	7.7	4.9		10800	26800	16000	2.48	9700	19600	9900	2.02
Mushroom cultivation	Oyster mushroom (<i>Pleurotus sajarcaju</i>) cultivation	Inputs i.e. Spawn bottles/Polythene bag	10	100 beds	1.8	1.2		30	90	60	3.0	25	60	35	2.4
Vermicompost	Vermi composting	<i>E. foetida</i>	10	10 pits	1.4 q			900	1350	450	1.50				

Intervention s	Technology demonstrat e	Critical input (Variety, Fertilizer / Chemicals doses,)	No. of farme rs	Unit / No. / Are a (ha)	Measurable indicators of output*		% increase	Economics of demonstration (Rs.)				Economics of local (Rs.)			
					Demo	Local		Gros s Cost	Gross Retur n	Net Retur n	BC R	Gros s Cost	Gross Retur n	Net Retur n	BC R
1	2	3													
Improved shelters for reducing heat stress in Poultry	Demonstrati on Poultry breed Vanaraj	Vanaraj	10	1	2.8 kg	1.6 kg	75	210	620	410	2.9 5	160	340	180	2.1 2

Module-4: Institutional Interventions

Interventions	Details of activity			Critical input (Breed / Variety / Medicine doses,)	No. of farmers	Unit / No. / Area (ha)
	Name of crops / Commodity groups / Implements	Quantity / Number / Rent / Charges	Technology used in seed / fodder bank & function of groups			
1	2	3	4	5	6	7
Seed bank	Paddy	-	High Yield seed	Khandagiri, Sahabhagi Dhan	95	42
Commodity groups	6	16 member	Village Climate Risk Management Committee (CRMC): to take up the overall activities of the project	All types of help and commodity during disaster collected from different source.	187 farm family	92
Custom hiring	Sprinkler	Rs. 5/- per pipe	Irrigation	Implements	10	2ha

centre	(2 Nos)	Per day				
	Power tiller	Rs.40/- per hour	Ploughing	Implements	84	34ha
	Power sprayer (1 nos.)	Rs. 20/- per hour	Disease control	Implements	25	5ha
	Diesel Water pump Set (2HP)	Rs 20 /-per hour	Irrigation	Implements	32	7ha
	Multi crop thresher cum winnower	Rs. 40/- per hour	Harvesting	Implements	35	18ha
	MB plough	Rs 10 /- per day	Tillage	Implements	18	4ha
	Garuda Mini weeder	Rs 20 /-per hour	Weeding	Implements	18	8 ha

Capacity Building (HRD):

Sl. No.	Thematic area	Title of training	No. of Courses	No. of beneficiaries		Date
				Male	Female	
1	2	3	4	5	6	7
1	Exposure visit	OUAT Golden jubilee celebration and visited exhibition stalls and participate farmer scientist interactions programme at G.Udaygiri	2	30	-	5 th and 6 th May 2012
2	Exposure visit	CIFA,DRWA, OUAT and Farmers field	1	15	-	18 th March 2013
3	Crop diversification	Cultivation of Non Paddy crop in upland	1	25		20 th June 2012

	Crop management	INM in Paddy	1	25		7 th August 2012
	Fodder and feed management	Cultivation of hybrid Napier in Wasteland	1	20	5	18 th August 2012
	Disease management	IPM in Paddy IPM in Pulses	2	40	10	14 th September 2012 & 11 th October 2012

Extension activities

Sl. No.	Thematic area	Title of Field Day	No. of Courses	No. of beneficiaries		Date
				Male	Female	
1	2	3	4	5	6	7
1	Method demonstration	Soil sample collection, SRI Paddy, Power Sprayer, Pheromontrap installation, Seed treatment, Biofertiliser incultation, Application paper mill sludge, Application of Tricho card	8	176	65	15-09-2012 09-10-2012 18-10-2012
2	Farmer and scientist interaction	Climate resilient technology, SRI Paddy, application micronutrients, management practices of crops, use of Pheromone trap , use of bio-agent, Seed treatment, Bio-fertiliser application, Wilt management in vegetables.	9	213	43	07-01-2013 12-03-2013
3	Diagnostic field visit	SRI Paddy, management practices of crops, management practices of vegetables, use of bio-agent, Seed treatment, Micro nutrient application, Lime application in maize, Intercropping	8	52	14	18-01-2013

						11-02-2013 18-02-2013
4	Group discussion	Discuss about IPM for paddy Stem Borer, Foliar application of micronutrient in Paddy and pulses, Short duration Paddy variety	12	98	16	20-02-2013 23-02-2013 28-02-2013
5	Monitoring of field works	Interaction made with farmer group on cultivation practices vegetables, Possible suggestion given to farmers regarding demonstration trails	22	108	42	21-12-2012 7-03-2013 12-03-2013 16-03-2013
6	Field day	Improved Cultivation method of drought resistant Paddy Var.Sahabhagi dhan & Khandagiri Cultivation of Maize in waste up-lands	6	170	60	03-10-2012 03-11-2012

Status of custom hiring Services

NICRA –KVK Ganjam-I

S. No.	Name of implements	Date of Purchase	Operational performance		Revenue Generated (Rs.)	No. of Farmers benefited
			No. of hrs.	Area covered (ha)		
1.	Sprinkler (2 Nos)	31 th March 2011	35	2ha	700/-	10
2.	Power tiller	31 th March 2011	120	34ha	4800/-	84
3.	Power sprayer (1 nos.)	31 th March 2011	15	5ha	300/-	25
4.	Diesel Water pump Set (2HP)	31 th March 2011	45	7ha	900/-	32
5.	Multi crop thresher cum winnower	31 th March 2011	60	18ha	2400/-	35
6.	MB plough	31 th March 2011	18	4ha	180/-	18
7.	Garuda Mini weeder	31 th March 2011	42	8 ha	840/-	18

Monitoring of NICRA projects

NICRA –KVK, Bhanjanagar, Ganjam-I

S.No.	Name of KVK	Name of NICRA Village	Name & designation of visitors	Date of visit	Remarks If Any
1	Ganjam-I	Chopara	Mr. Prasanta Ku. Panda, SMS (P.P), Debasis Sadangi, SMS (Soil.Sc.) Co-PI,	16-04-2012 03-05-2012 7-05-2012 11-05-2012	Discussion made on Soil test and collection n of soil samples
2	Ganjam-I	Chopara	Debasis Sadangi, SMS (Soil.Sc.) Co-PI Prasanta Ku. Panda, SMS (P.P), Dr. Geetanjali Subudhi, SMS (Home Sc.), Mr. Debasis Sadangi, SMS (Soil.Sc.), Mr. S.S.Das, SMS (Fishery Science), Dr. Smrutirekha Mallick SMS (Animal Sc.)	24-05-2012 28-05-2012 07-06-2012	Group discussion was made on disease and pest incidence and its management and its practices
3	Ganjam-I	Chopara	Prasanta Ku. Panda, SMS (P.P), Debasis Sadangi, SMS (Soil.Sc.) Co-PI, Mr. S.S.Das, SMS (Fishery Science), Dr. Smrutirekha Mallick SMS (Animal Sc.)	08-06-2012	Discussion made on short duration Paddy variety
4	Ganjam-I	Chopara	Dr S.K.Satapathy, Programme Coordinator (PI. of the project), Mr. Prasanta Ku. Panda, SMS (P.P), Debasis Sadangi, SMS (Soil.Sc.) Co-PI, Mr. S.S.Das, SMS (Fishery Science), Dr. Smrutirekha Mallick SMS (Animal Sc.)	10-06-2012 11-06-2012	Interaction made on area specific high yielding variety of Paddy
5	Ganjam-I	Chopara	Prasanta Ku. Panda, SMS (P.P), Debasis Sadangi, SMS (Soil.Sc.) Co-PI, Mr. S.S.Das, SMS (Fishery Science), Dr. Geetanjali Subudhi, SMS (Home Sc.), Dr. Smrutirekha Mallick SMS (Animal Sc.)	16-06-2012 19-06-2012 28-06-2012	Suggest for supplementary feeding & Nursery preparation for Paddy & Green manuring

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6	Ganjam-I	Chopara	Dr S.K.Satapathy, Programme Coordinator (PI. of the project), Debasis Sadangi, SMS (Soil.Sc.) Co-PI Prasanta Ku. Panda, SMS (P.P), Dr. Geetanjali Subudhi, SMS (Home Sc.)	02-07-2012 06-07-2012	Discuss about cultivation Maize cultivation
7	Ganjam-I	Chopara	Dr S.K.Satapathy, Programme Coordinator (PI. of the project), Debasis Sadangi, SMS (Soil.Sc.) Co-PI Prasanta Ku. Panda, SMS (P.P), Dr. Geetanjali Subudhi, SMS (Home Sc.),	07-07-2012 10-07-2012 16-07-2012	Discuss about custom hiring centre & maintenance of implements
8	Ganjam-I	Chopara	Dr S.K.Satapathy, Programme Coordinator (PI. of the project), Prasanta Ku. Panda, SMS (P.P) Co-PI, Dr. Geetanjali Subudhi, SMS (Home Sc.), Mr. Tiryak Ku. Samant SMS (Agronomy)	20-07-2012 04-08-2012 17-08-2012	Transplanting and application of Weedicide
9	Ganjam-I	Chopara	Dr S.K.Satapathy, Programme Coordinator (PI. of the project), Prasanta Ku. Panda, SMS (P.P) Co-PI, Dr. Geetanjali Subudhi, SMS (Home Sc.), Mr. Tiryak Ku. Samant SMS (Agronomy)	10-08-2012 18-08-2012	Management of Insect, pest in Paddy & groundnut
10	Ganjam-I	Chopara	Prasanta Ku. Panda, SMS (P.P) Co-PI, Dr. Geetanjali Subudhi, SMS (Home Sc.), Mr. Tiryak Ku. Samant SMS (Agronomy)	21-08-2012	Application of Micro nutrient
11	Ganjam-I	Chopara	Dr S.K.Satapathy, Programme Coordinator (PI. of the project), Prasanta Ku. Panda, SMS (P.P) Co-PI, Dr. Geetanjali Subudhi, SMS (Home Sc.), Mr. Tiryak Ku. Samant SMS (Agronomy), S.K.Samantaray SMS (Agril. Extension)	06-09-2012 10.09.2012 15-09-2012	Improved Cultivation Practices of Groundnut

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12	Ganjam-I	Chopara	Prasanta Ku. Panda, SMS (P.P) Co-PI, Dr. Geetanjali Subudhi, SMS (Home Sc.), Mr. Tiryak Ku. Samant SMS (Agronomy), S.K.Samantaray SMS (Agril. Extension)	03-10-2012 05-10-2012	Field day, Discussion about Vermii composting & Oyster mushroom in backyard
13	Ganjam-I	Chopara	Dr S.K.Satapathy, Programme Coordinator (PI. of the project),Prasanta Ku. Panda, SMS (P.P) Co-PI, Dr. Geetanjali Subudhi, SMS (Home Sc.), Mr. Tiryak Ku. Samant SMS (Agronomy), S.K.Samantaray SMS (Agril. Extension)	06-10-2012 12-10-2012	Discussion about Vermii composting & Oyster mushroom in backyard
14	Ganjam-I	Chopara	Prasanta Ku. Panda, SMS (P.P) Co-PI, Dr. Geetanjali Subudhi, SMS (Home Sc.), Mr. Tiryak Ku. Samant SMS (Agronomy), S.K.Samantaray SMS (Agril. Extension)	18-10-2012 30-10-2012	Demonstration on Oyster mushroom, Diagnostic visit
15	Ganjam-I	Chopara	Prasanta Ku. Panda, SMS (P.P) Co-PI, Mr. Tiryak Ku. Samant SMS (Agronomy), S.K.Samantaray SMS (Agril. Extension)	03-11-2012 24-11-2012	Discussion made on Greengram/ Blackgram cultivation
16	Ganjam-I	Chopara	Dr S.K.Satapathy, Programme Coordinator (PI. of the project),Prasanta Ku. Panda, SMS (P.P) Co-PI, Dr. Geetanjali Subudhi, SMS (Home Sc.), S.K.Samantaray SMS (Agril. Extension)	13-12-2012 21-12-2012	Discussed about importance of seed treatment
17	Ganjam-I	Chopara	Dr S.K.Satapathy, Programme Coordinator (PI. of the project),Prasanta Ku. Panda, SMS (P.P)		Field visit and monitoring of

S.No.	Name of KVK	Name of NICRA Village	Name & designation of visitors	Date of visit	Remarks If Any
			Co-PI, Dr. Geetanjali Subudhi, SMS (Home Sc.), S.K.Samantaray SMS (Agril. Extension), Dr. Smrutirekha Mallick SMS (Animal Sc.)	07-01-2013 18-01-2013	disease/ pest
18	Ganjam-I	Chopara	Dr S.K.Satapathy, Programme Coordinator (PI. of the project),Prasanta Ku. Panda, SMS (P.P) Co-PI, Dr. Geetanjali Subudhi, SMS (Home Sc.), S.K.Samantaray SMS (Agril. Extension), Dr. Smrutirekha Mallick SMS (Animal Sc.)	11-02-2013 18-02-2013	Field visit and monitoring of disease/ pest and Marketing linkages
19	Ganjam-I	Chopara	Dr S.K.Satapathy, Programme Coordinator (PI. of the project),Prasanta Ku. Panda, SMS (P.P) Co-PI, S.K.Samantaray SMS (Agril. Extension), Dr. Smrutirekha Mallick SMS (Animal Sc.)	20-02-2013 23-02-2013	Group discussion was made on disease and its management in domestic animals
20	Ganjam-I	Chopara	Prasanta Ku. Panda, SMS (P.P) Co-PI, Dr. Geetanjali Subudhi, SMS (Home Sc.), S.K.Samantaray SMS (Agril. Extension), Dr. Smrutirekha Mallick SMS (Animal Sc.)	28-02-2013 07-03-2013	Interaction made with farmer group on cultivation of summer vegetables, feed management of domestic animals
22	Ganjam-I	Chopara	Prasanta Ku. Panda, SMS (P.P) Co-PI, Dr. Geetanjali Subudhi, SMS (Home Sc.), S.K.Samantaray SMS (Agril. Extension), Dr. Smrutirekha Mallick SMS (Animal Sc.)	12-03-2013 16-03-2013	Discussed about desilting of Farm wells and collection of soil samples
24	Ganjam-I	Chopara	Dr S.K.Satapathy, Programme Coordinator(PI. of the project),Prasanta Ku. Panda, SMS (P.P) Co-PI, Dr. Geetanjali Subudhi, SMS (Home Sc.), S.K.Samantaray SMS (Agril. Extension), Dr. Smrutirekha Mallick SMS (Animal Sc.)	26-03-2013 30-03-2013	Discussed about renovation of farm pond and collection of Soil sample

