

FORMAT 1- GENERAL, OFT & FLDS

REPORTING PERIOD – April, 2009 to March, 2010

Summary of achievements during the reporting period

KVK Name	Activity	Target		Achievement	
		Number of activity	Number of farmers/ beneficiaries	Number of activity	Number of farmers/ beneficiaries
Kendrapara	OFTs	12	106	12	106
Kendrapara	FLDs – Oilseeds (activity in ha)	10	50	10	50
Kendrapara	FLDs – Pulses (activity in ha)	5	25	5	25
Kendrapara	FLDs – Cotton (activity in ha)	-	-	-	-
Kendrapara	FLDs – Other than Oilseed and pulse crops(activity in ha)	31.02	118	31.02	118
Kendrapara	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	100 beds, 200 chicks	35	100 beds, 200 chicks	35
Kendrapara	Training-Farmers and farm women	82	2050	82	2050
Kendrapara	Training-Rural youths	14	217	14	217
Kendrapara	Training- Extension functionaries	7	85	7	85
Kendrapara	Extension Activities	1620	5300	1417	5167
Kendrapara	Seed Production (Number of activity as seeds in quintal)	130	200	130	200
Kendrapara	Planting material ((Number of activity as quantity of planting material in quintal)				
Kendrapara	Seedling Production (Number of activity as number of seedlings in numbers)	20000	200	18417	180
Kendrapara	Sapling Production (Number of activity as number of sapling in numbers)	1200	120	1026	120
Kendrapara	Other Bio- products (Vermicompost in quintals)	5.7	5	5.7	5
Kendrapara	Live stock products	2	20	2	20
Kendrapara	SAC Meeting (Date & no. of core/official members)	1	40	1	40
Kendrapara	Newsletters (no.)	-	-	-	-

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KVK Name	Activity	Target		Achievement	
		Number of activity	Number of farmers/ beneficiaries	Number of activity	Number of farmers/ beneficiaries
Kendrapara	Publication (Research papers, popular article)	15	-	15	-
Kendrapara	Convergence programmes / Sponsored programmes				
Kendrapara	Outreach of KVK in the District (No. of blocks, no. of villages)	-	-	5 Blocks & 28 villages	1700

1. GENERAL INFORMATION

1.1. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

The total population of Kendrapara district is 13.02 lakh as per the 2001 census of which S.C population is 2,67,186(20.5%) &S.T population is 6,822 (0.5%). The population density is 567 per Sq. km. with a sex ratio of 1014 females per 1000 male. The geographical area and the demographic pattern of the district and block is given in the following table.

1. Geographical area	2297.62 sq km.
2. Total population	2001 Census-1302005, Male-646438 Female-655567
3. Density per Sq.km.	567
4. Sex ratio	(female per 1000 male)-1014
5. S.T.Population	6822(0.5%)
6.S.C.Population	267186(20.5%)

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BLOCK-WISE AREA AND DEMOGRAPHIC PATTERN OF KENDRAPARA DISTRICT

Sl No	Block	Area in Sq. Km	Total population	SCpopulation	ST Population	Literacy rate(%)
1	KENDRAPARA	255.17	178919	37675	706	77.67
2	DERABISH	183.18	129532	31209	503	78.98
3	PATTAMUNDAI	257.26	179924	49140	387	76.57
4	AUL	224.41	136297	30273	133	78.01
5	RAJKANJIKA	263.68	126887	27074	10	77.12
6	RAJNAGAR	344.29	145301	16735	1947	71.88
7	MARSHAGHAI	157.58	115103	20959	111	79.08
8	MOHAKALAPARA	469.64	191745	33441	2966	71.90
9	GARADPUR	142.41	98297	20681	59	86.20
	Total	2297.62	1302005	267186	6822	76.81

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LAND UTILIZATION PATTERN:

Out of the total geographical area of the district 11% is lying as cultivable waste and fallow. The block wise land utilization pattern is given below.

BLOCK-WISE LAND UTILIZATION PATTERN OF KENDRAPARA DISTRICT

SL NO	Block	Forest Area	Misc.tree Crops &grooves not included in net are a sown	Permanent pasture & other grazing land	Culturable waste	Land put to non-agricultural uses	Barren &uncultivable lands	Current fallows	Other fallows	Net Area sown
1	KENDRAPARA	01	372	1351	477	3369	352	998	642	17577
2	DERABISH	05	402	648	243	3576	314	1359	410	14107
3	PATTAMUNDAI	19	123	1354	318	4217	01	1524	1296	13552
4	AUL	44	114	602	25	2811	359	3783	939	6445
5	RAJKANIKA	-	274	1438	39	6268	-	1473	1413	16676
6	RAJNAGAR	663	26	2135	32	5334	734	1227	1215	24668
7	MARSHAGHAI	36	122	905	99	2736	3	1286	256	10130
8	MOHAKALAPARA	3380	934	2543	437	8981	1	1534	2121	26536
9	GARADPUR	14	95	709	170	3125	41	1010	269	8115
	Total	4162	2462	11685	1840	40417	1805	14194	8571	137806

OPERATIONAL HOLDING:

There are 127020 operational house holds in the district. Out of this 116 are large farmers and 75914 are marginal farmers. The details of the operational holdings are as follows:

OPERATIONAL LAND HOLDINGS OF KENDRAPARA DISTRICT

Sl.No	Class	Total No	Total	S.C no	S.C Area	S.T no.	S.T Area
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			Area in ha		in Ha.		in Ha.
1	Marginal (< 1 Ha)	75914	37674	20235	11142	590	325
2	Small (1-2 Ha)	33521	46043	2725	3678	354	514
3	Semi- medium (2-4 ha)	14689	39709	751	1877	89	213
4	Medium (4-10 Ha)	2780	15082	74	379	12	58
5	Large (>10 Ha)	116	1935	-	-	-	-
	Total	127020	140443	23785	17076	1045	1110

Sources- Orissa Agricultural Statistics, 2008-09, Director of Agri. & Food production, Orissa, BBSR

SOIL TYPE

Sl. No	Soil type	Characteristics	Area in ha
1	Alluvial	Coarse sand to clay texture, low in WHC, base saturation & fertility, acidic in reaction	85300ha
2	Saline	Clay to clay loam in texture, low in N & K but medium in P, reduced uptake of K, Ca & Mg by plants due to presence of excess Na, suffers from H ₂ S injury	48200ha
3	Black	Heavier in texture with more than 30% clay, soil reaction is neutral to slightly alkaline with presence of free CaCO ₃ nodules in profile	2500ha

AGRO ECOLOGICAL SITUATION

Kendrapara district is located under East & South Eastern Coastal Plain Zone. Basing on physiographic and irrigation pattern Kendrapara district has been divided into four Agro Ecological situations (AES)

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Blocks covered under different agro-ecological situations in Dist-Kendrapara

Sl.No	Agro climatic Zone (ACZ)	Agro ecological situation (AES)	Blocks covered	Area in '000 ha	% of geographical area of the zone	Soil Type
1	East & South Eastern Coastal Plain Zone	Coastal Irrigated alluvium (AES-1)	Kendrapara, Garadpur, Derabish, Pattamundai, Aul, Marshaghai, Mahakalpara, Rajkanika, Rajnagar	67.09	33.5	Alluvial (Sandy loam)
2		Rainfed alluvium (AES-2)	Garadpur, Derabish, Pattamundai, Aul, Rajnagar	84.91	42.4	Alluvial (Sandy loam)
3		Coastal alluvial saline (AES-3)	Kendrapara, Pattamundai, Aul, Marshaghai, Mahakalpara, Rajkanika, Rajnagar	32.35	16.1	Saline
4		Coastal waterlogged (AES-4)	Derabish, Marshaghai, Mahakalpara, Rajnagar	15.85	08	Black Soil clay loam

IRRIGATION

The main occupation of the people of the district is cultivation. But no such progress has yet been made in respect of assured irrigation facilities for which agriculture in Kendrapara district still depends on rain.

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The district has a total irrigated area of 66307 ha which is about 42 % of the total area, contributed by major irrigation (30%), lift irrigation (6%), Dug wells (2%), & other sources (4%). Blockwise irrigation potential of the district from different sources is indicated below.

BLOCKWISE IRRIGATION POTENTIAL OF KENDRAPARA DISTRICT (Figure in ha.)

SI No	Block	Major Source	Lift irrigation	Wells (Dug+Bore)	Others	Total
1	Kendrapara	16240	780	204	650	17874
2	Derabis	10770	290	518	598	12176
3	Pattamundai	10948	984	891	896	13719
4	Aul	-	3682	89	992	4763
5	Rajkanika	-	1676	98	1281	3055
6	Rajnagar	-	791	50	1092	1933
7	Marshaghai	4410	594	99	496	5599
8	Mahakalpara	2810	782	10	744	4346
9	Garadpur	972	792	529	549	2842
	Total	46150	10371	2488	7298	66307

AREA, PRODUCTION AND PRODUCTIVITY OF MAJOR CROPS CULTIVATED IN THE DISTRICT

S. No	Crop	Area (ha)	Production ('000t)	Productivity (Qtl /ha)
1	Paddy	121975	238261	19.53
2	Maize	271	680	15.11

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3	Green gram	4138	13970	4.10
4	Black gram	4266	17860	4.85
5	Ground nut	1160	23790	22.70
6	Sun flower	81538	134	6.5
7	Mustard	2143	911	4.80
8	Arhar	50	51	10.20
9	Jute	3312	13410	18.40
10	Brinjal	6110	88595	145
11	Tomato	4358	57874	132
12	Chilli	3670	3128	8.5
13	Cabbage	1706	47111	276
14	Cauliflower	1647	23431	142
15	Okra	1935	16850	87
16	Potato	1202	16407	136
17	Onion	746	6789	91
18	Garlic	637	1910	30
19	Sweet potato	230	1871	81
20	Pea	89	783	88
21	Other vegetables	2212	21796	98
22	Zinger	818	2597	31.75
23	Turmeric	448	1371	30.60
24	Total spices	2924	5911.3	20.22
25	Existing Sugarcane	373	107	106

PRODUCTION AND PRODUCTIVITY OF LIVESTOCK, POULTRY, FISHERIES ETC. IN THE DISTRICT

Category	Population	Production	Productivity
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Cattle			
<i>Crossbred</i>	29400	31000 MT/yr(milk)	
<i>Indigenous</i>	188728		
Buffalo	31735		
Sheep			
<i>Crossbred</i>	43367	324 MT/yr(meat)	
<i>Indigenous</i>			
Goats	104474		
Pigs			
<i>Crossbred</i>	9231		
<i>Indigenous</i>			
Rabbits			
Poultry			
Hens	301564	27 millions eggs/yr	
<i>Desi</i>			
<i>Improved</i>			
Ducks	94200		
Turkey and others			
Fish			
<i>Marine</i>		7363.5 MT	
<i>Inland</i>		5418.5 MT	2.97 MT/ha
Prawn		13.25 MT	
Scampi		23 MT	
Shrimp		1834.63 MT	1.12 MT/ha

RESOURCES & OPPORTUNITIES

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SL. NO	PARTICULARS	KENDRAPARA DISTRICT			
		Costal irrigated alluvial	Rainfed alluvial	Costal alluvial saline	Costal water logged
1	Adequate rainfall	Y	Y	Y	Y
2	Soil is alluvial & sandy loam for pulses & oilseeds	Y	Y	Y	Y
3	Conducive climate for paddy, jute and sunflower	Y	Y	-	Y
4	Conducive climate for coconut, banana, guava etc.	Y	Y	Y	Y
5	Medium land suitable for vegetable & spices	Y	Y	Y	Y
6	Adequate pasture land for dairy	-	Y	Y	-
7	Vast low lying areas and high water table for pisciculture	Y	Y	Y	Y
8	Large scale cultivation of brinjal, tomato & other vegs.	Y	Y	Y	Y
9	Increase in banana & coconut cultivation	Y	Y	Y	Y
10	Farming system dominated by HYV rain fed paddy	Y	Y	Y	Y
11	Dominance of cattle & goatery & poultry in AH farming system	Y	Y	Y	Y
12	Increase in fish & prawn farming	Y	Y	Y	-
	Opportunity				
1	Availability of more water area for agriculture and fishery	Y	Y	Y	Y
2	Integrated watershed development	Y	Y	Y	Y
3	Scope for pasture development	Y	Y	Y	-

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4	Scope for medicinal plantation	Y	Y	-	Y
5	Production of scented rice	Y	Y	-	-
6	Production of vegetable seeds	Y	Y	Y	Y
7	Establishment of agriclinic	Y	Y	Y	Y
8	Establishment of hatchery fish feed mill, aqua shops	Y	Y	Y	Y
9	Potential for mushroom cultivation	Y	Y	Y	Y
10	Expansion of area under floriculture	Y	Y	-	Y
11	Expansion of area under hybrid vegetables	Y	Y	Y	-
12	Expansion of area under hybrid paddy.	Y	Y	-	Y
13	Expansion of area under tuber crops, chilli, ginger & turmeric paddy.	Y	Y	Y	Y
14	Expansion of area under betel vine.	Y	Y	-	Y
15	Expansion of area under hybrid sunflower.	Y	Y	Y	Y
16	Expansion of area under jute cultivation.	Y	Y	-	-
17	Artificial insemination of cattle, goat & sheep	Y	Y	Y	Y
18	Expansion of area under banana, coconut, areca nut, lime, pineapple etc	Y	Y	Y	Y

1.2. DETAILS OF ADOPTED VILLAGE during the reporting period (Approved by competent Authority in meetings/workshops)

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KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Kendrapara	Narendrapur	2010	Marshaghai	30 km	450	55
Kendrapara	Raipur	2008	Derabis	15 km	420	80
Kendrapara	Sanamangarajpur	2008	Kendrapara	16 km	288	48
Kendrapara	Kantia	2006	Kendrapara	15 km	162	37
Kendrapara	Jigaran colony	2008	Pattamundai	28 km	175	45
Kendrapara	Alailo	2010	Mahakalpada	45 km	350	48

1.3. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA
Kendrapara	Weed management
Kendrapara	Integrated nutrient management
Kendrapara	Variety introduction/ substitution
Kendrapara	Judicious pest management practices
Kendrapara	Problem soil & water quality management
Kendrapara	Remunerative enterprise introduction
Kendrapara	Management of available natural resources
Kendrapara	Year round supply of nutritious feed and fodder
Kendrapara	Preservation and value addition
Kendrapara	Maximization of crop and fish yield
Kendrapara	Improvement of plant growth and vigour in plantation crops.
Kendrapara	Food security and livelihood generation

1.4. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	Problem identified	Methods of problem identification
Kendrapara	Weed management	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Integrated nutrient management	PRA tools, Diagnostic field visit, group discussion, exploratory survey

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Kendrapara	Variety introduction/ substitution	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Judicious pest management practices	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Problem soil & water quality management	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Remunerative enterprise introduction	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Management of available natural resources	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Year round supply of nutritious feed and fodder	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Preservation and value addition	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Maximization of crop and fish yield	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Improvement of plant growth and vigour in plantation crops.	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Food security and livelihood generation	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Use of local, very old & degenerated seed varieties for growing cereals, millets, pulses, oilseeds & vegetables.	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Soil acidity leading to lower crop yield.	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Unaware of role of micronutrients in crop production.	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Application of imbalanced dose of major nutrients in almost all crops.	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Wide prevalence of pest & diseases in Agril/Hort.crops . Fishes & live stocks.	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Water logging	PRA tools, Diagnostic field visit, group discussion, exploratory survey

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Kendrapara	Lack of scientific knowledge on agro based entrepreneurships.	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Distress sale of fruits & vegetables at peak harvest.	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Unutilisation of waste land, uncultivable fallow lands & field bunds around the village.	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Weed problem in upland crops.	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	A good number of school dropout rural youth roaming with out any vocational skill in each & every village	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Poor health with less or negligible productivity status of domestic animals & birds.	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Lack of availability of agricultural labour, and farm machineries for timely farm operations.	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Malnutrition in farm women & children	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Poor management of old orchards.	PRA tools, Diagnostic field visit, group discussion, exploratory survey

2. OFT (conducted during Rabi 2009-10)

2.1 Basic information of the Technology taken by the KVK

KVK name	Year	Season	Category of technology (Assessment / Refinement)	OFT on crop/ Enterprise	Title of OFT	OFT ID* (to be created by the KVK)	Name of Crop/ Enterprise	No of trials		Area (ha)		Status of the OFT (Completed/ Continued/ Result awaited)
								Targeted	Achieved	Targeted	Achieved	
Kendra para	2009	Kharif	Assessment	Crop	Assessment of Acacia Mangium in back yard	Kendrapara 0910K04	Acacia Mangium	10	10	0.1	0.1	Continued
Kendra para	2009-10	Rabi	Assessment	Enterprise	Assessment of drudgery reduction of farm women using improved sickle	Kendrapara 0910R11	Improved Sickle	20	20	1	1	Completed
Kendra	2009-10	Rabi	Assessment	Enterprise	Assessment of drudgery	Kendrapara	Ring	20	20	1	1	Completed

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para				e	reduction of farm women using ring cutter for plucking okra	0910R12	cutter					
Kendra para	2010	Rabi	Assessment	Crop	Assessment of imidacloprid & Fipronil for management of yellow vein mosaic disease in Okra	Kendrapara 0910R19	Okra	5	5	0.5	0.5	Continued
Kendra para	2009	Rabi	Assessment	Ground nut & pulse	Assessment of vermin-compost in cabbage	Kendrapara 0910R18	Vermi-compost	2	2	0.2	0.2	Completed
Kendra para	2010	Rabi	Assessment	Crop	Assessment of wilt in Brinjal	Kendrapara 0910R20	Chemical management of Brinjal	10	10	1	1	Result awaited
Kendra para	2010	Summer	Assessment	Crop	Assessment of nutrient management in chilli	Kendrapara 0910S21	Chilli	04	04	0.8	0.8	Completed
Kendra para	2010	Summer	Assessment	Crop	Assessment of cowpea variety Utkal Manik in alluvial soil in coastal irrigated alluvium	Kendrapara 0910S22	Cowpea	05	05	0.5	0.5	Completed
Kendra para	2009	Kharif	Assessment	Crop	Assessment of cultivation of oyster mushroom in off season	Kendrapara 0910K25	Mushroom	15	5	-	-	Completed
Kendra para	2010	Summer	Assessment	Crop	Assessment of Rhizobium culture and Sodium molybdate in greengram	Kendrapara 0910530	Greengram	10	10	4	4	Completed
Kendra para	2009	Kharif	Assessment	Crop	Assessment of dhanicha as green manure crop in Kharif HYV paddy	Kendrapara 0910K31	Paddy	05	05	0.5	0.4	Completed
Kendra para	2009	Kharif	Assessment	Crop	Assessment of weed management in Kharif rice	Kendrapara 0910K32	Paddy	05	05	2	2	Completed

* KVK+Year+Season+Discipline & Code

2.2 Details of Problems taken as OFT by the KVK

KVK	OFT ID	Problem	Thematic	Farmers'	Farming situation	Total Area of the	Name of the block(s)
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name		diagnose	area	practice (T ₁)	Soil type	Irrigation	Type of Cultivation (Low land/ Mid land/ Up land)	Cropping system	district (in ha) affected by the problem	under KVK where the problem occurs
Kendrapara	Kendrapara 0910K04	Lack of fuel wood availability campus burning of cow dung	Resource conservation technology	Fallow	Alluvial	Rainfed	Up land	Rice-pulse	567	Kendrapara, Derabis
Kendrapara	Kendrapara 0910R11	More drudgery due to use of traditional sickle	Drudgery reduction	Use of traditional sickle	Alluvial	Rainfed	Lowland	Paddy- fallow	1245	Kendrapara, Pttamundai, Derabis, MArshaghai
Kendrapara	Kendrapara 0910R12	Decreases labour efficiency by hand plucking and increases cost of cultivation	Drudgery reduction	Plucking by hand	Alluvial	Irrigated	Midland	Paddy-Vegetable	245	Kendrapara, Pattamundai
Kendrapara	Kendrapara 0910R18	Low quality of cabbage due to indiscriminate use of chemical fertilizer with deterioration of soil structure	Integrated nutrient management	Use of chemical fertilizer	Alluvial	Irrigated	Medium land	Rice-vegetable	10	Kendrapara
Kendrapara	Kendrapara 0910R19	Yellowing of leaves fruits, low yield and reduction in marketability of the fruit	Integrated disease management	Spraying of Chloropyriphus+ Cypermethrin @150 ml/acre	Alluvial	Irrigated	Medium	Vegetable-vegetable	620	Kendrapara
Kendrapara	Kendrapara 0910R20	Reduction in yield due to wilting of Brinjal plant	Integrated disease management	Improper spraying of Carbendazim in incorrect	Alluvial	Irrigated	Medium	Paddy-vegetable	450	Kendrapara

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				doses						
Kendrapara	Kendrapara 0910S21	Low yield of chilli due to imbalance and less use of fertilizer	Integrated nutrient management	Imbalance and indiscriminate use of fertiliser	Alluvial soil	Irrigated	Up land	Paddy/vegetable/ chilli	540	Pattamundai, Mahakalapada
Kendrapara	Kendrapara 0910S22	Low yield of cowpea due to use of old varieties	Varietal evaluation	Use of unidentified variety	Alluvial soil	Irrigated	Mid land	Paddy/vegetable/ cowpea	412	Kendrapara, Pattamundai
Kendrapara	Kendrapara 0910K25	Non availability of oyster mushroom in off season and low yield of paddy straw mushroom	Mushroom cultivation	Not cultivating oyster mushroom in off season	Alluvial	Rainfed	Upland	Paddy-mushroom-pulse	-	Kendrapara, Marshaghai
Kendrapara	Kendrapara, 0910S30	Low yield of greengram due to non use of bacterial culture and micro nutrient as seed treatment	Integrated nutrient management	Non use of bacterial culture and micro nutrient	Alluvial	Irrigated	Medium land	Rice-pulse	234	Marshaghai
Kendrapara	Kendrapara 0910K31	Poor soil health and low yield of paddy due to lack of organic nutrient use	Integrated nutrient management	Non inclusion of dhanicha as green manure crop	Alluvial	Rainfed	Medium land	Rice-rice	28512	Kendrapara, Mahakalapada
Kendrapara	Kendrapara 0910K32	Manual weeding by traditional practice increases labour cost	Weed management	Manual weed management	Alluvial	Rainfed	Up land	Rice-pulse	42316	Kendrapara, Pattamundai

2.3 Details of solution taken for technology assessment/refinement by the KVK

KVK Name	OFT ID No	Details of technology selected (T ₂)	Source of technology	Year of release of technology	If refinement in the technology, give details of refinement over recommended practices (T ₃)
Kendrapara	Kendrapara	Planting of Acacia Mangium	OUAT	2007	

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	0910K04	(fast growing spp. For fuel wood purpose as well as boundary purpose			
Kendrapara	Kendrapara 0910R11	Assessment of drudgery reduction of farm women by using improved sickle	CIAE, Bhopal	2006	-
Kendrapara	Kendrapara 0910R12	Assessment of drudgery reduction of farm women by using ring cutter for plucking okra	PAU, Ludhiana	2004	-
Kendrapara	Kendrapara 0910R18	Application of 150-50-75kg N-P ₂ O ₅ -K ₂ O/ha and vermicompost	OUAT, 2007	2007	-
Kendrapara	Kendrapara 0910R19	Seed treatment with imidacloprid 17.8 SL@7ml/kg of seed, foliar spraying of Regent 2ml/lit of water starting from 1 month crop growth stage	OUAT, Bhubaneswar	2006-07	-
Kendrapara	Kendrapara 0910R20	Seed treatment with 0.015% of Strephcycline and drenching of soil with 0.015% Streptocycline 0.2% metalxyl 8% mancozeb 64%	OUAT, Bhubaneswar	2006-07	-
Kendrapara	Kendrapara 0910S21	Application of 20 t/ha of FYM along with 75% RDF (N:P:K-120:60:60) kg/ha P& K is applied as bs & N is applied twice at 25 DAT& 45 DAT. Along with this liquid Azosprillium & PSB with vermicompost @ 10kg/ha each before planting	IIHR & RBDC	2007	
Kendrapara	Kendrapara 0910S22	Certified seeds of cowpea variety Utkal Manik	OUAT	2006	-
Kendrapara	Kendrapara 0910K25	Cultivation of oyster mushroom Pleurotus sajarkaju from July to October	OUAT, Bhubaneswar	2007	-
Kendrapara	Kendrapara 0910S30	Rhizobium culture and liquid Na molybdate @ (100 ml+400ml)=500ml, Rhizobium culture+ water	OUAT, 2006	2006	-

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Kendrapara	Kendrapara 0910K31	inclusion of dhanicha as green manure crop	Ouat	2004	-
Kendrapara	Kendrapara 0910K32	Use of chemical weedicide (Butachloro @2.5 lit/ha)	Ouat	2002	-

2.4 Performance of the technology for assessment/refinement

A. Production

KVK Name	OFT ID	Main Products				Bye- Product			
		Unit of measurement	Farmer's Practice (T ₁)	Recommended Practice (T ₂)	Refined Practice, if any (T ₃)	Unit of measurement	Farmer's Practice (T ₁)	Recommended Practice (T ₂)	Refined Practice, if any (T ₃)
Kendra para	Kendrapara 0910K04	(q/ha)							
Kendra para	Kendrapara 0910R18	Kg	24000	28800					
Kendra para	Kendrapara 0910R19	Kg	12000	15000					
Kendra para	Kendrapara 0910R20	Kg	28000	35100					
Kendra para	Kendrapara 0910S21	Green chilli (q/ha)	74	92	-	-	-	-	-
Kendra para	Kendrapara 0910S22	(q/ha)	82.4	64.5	-	-	-	-	-
Kendra para	Kendrapara 0910K25	Kg	1	1.5	-	-	-	-	-
Kendra para	Kendrapara 0910R30	Kg	600	720					
Kendra para	Kendrapara 0910K31	(q/ha)	31.6	37.1		(q/ha)	53.4	64.5	
Kendra para	Kendrapara 0910K32	(q/ha)	30.5	41.2		(q/ha)	51.3	62.4	

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B. Parameters

KVK Name	OFT ID	Observations taken on parameter 1					Observations taken on parameter 1I				
		Parameter name	Unit of measurement	Farmer's Practice (T ₁)	Recommended Practice (T ₂)	Refined Practice, if any (T ₃)	Parameter name	Unit of measurement	Farmer's Practice (T ₁)	Recommended Practice (T ₂)	Refined Practice, if any (T ₃)
Kendrapara	Kendrapara 0910K04	Height	Meter	2.10	3.05		Diameter	Meter	8.0	13.0	
Kendrapara	Kendrapara 0910R11	Labour saving	%	30	25		Cutting of paddy	m ² /hr	76	110	
Kendrapara	Kendrapara 0910R12	Labour saving	%	38	35		Plucking of fruits	Kg/hr	7	10	
Kendrapara	Kendrapara 0910R18	Weight of head	Gm/kg	960	1.150						
Kendrapara	Kendrapara 0910R19	Yellow mosaic leaves	Percentage	25	5	-	-	-	-	-	-
Kendrapara	Kendrapara 0910R20	Wilted plant	Percentage	35	10	-	-	-	-	-	-
Kendrapara	Kendrapara 0910S21	Fruit length	cm	4.5	6.3		100 fruit weight (green chilli)	gm	52.4	72.4	
Kendrapara	Kendrapara 0910S22	Fruit length	cm	23.2	34.6		100 fruit weight	kg	0.85	1.4	
Kendrapara	Kendrapara 0910K25	Time taken for spawn run	Days	15	12	-	Fruiting body	Number	170	210	-
Kendrapara	Kendrapara 0910R30	No of effective nodules/plant	Number	25	42		No of pods/plant	Number	32	45	
Kendrapara	Kendrapara 0910K31	Tiller/m ²	Number	356	388		No. of grain/panicle	Number	280	320	
Kendrapara	Kendrapara 0910K32	Tiller/m ²	Number	380	430		Weed%	Percentage	38.1	18.5	

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C. Economic Performance

KVK name	OFT ID	Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Farmer's Practice (T ₁)	Recommended Practice (T ₂)	Refined Practice, if any (T ₃)	Farmer's Practice (T ₁)	Recommended Practice (T ₂)	Refined Practice, if any (T ₃)	Farmer's Practice (T ₁)	Recommended Practice (T ₂)	Refined Practice, if any (T ₃)	Farmer's Practice (T ₁)	Recommended Practice (T ₂)	Refined Practice, if any (T ₃)
Kendrapara	Kendrapara 0910K04												
Kendrapara	Kendrapara 0910R11	21950	24800	-	30750	37800	-	8800	13000	-	1.4	1.52	-
Kendrapara	Kendrapara 0910R12	31400	33960		42850	49350		11450	15390		1.36	1.45	
Kendrapara	Kendrapara 0910R18	34000	36500	-	72000	86400	-	38000	49900	-	2.11	2.36	-
Kendrapara	Kendrapara 0910R19	43500	85,500	-	60000	75000		25,500	16500	-	1.38	1.52	-
Kendrapara	Kendrapara 0910R20	36200	40960		84000	105300		47800	65340		2.3	2.57	36200
Kendrapara	Kendrapara 0910S21	35800	39350	-	75480	101200	-	39680	61850	-	2.1	2.5	-
Kendrapara	Kendrapara 0910S22	23450	27560	-	29025	42848	-	5575	15288	-	1.5	1.2	-
Kendrapara	Kendrapara 0910K25	18	22		40	60		22	38		2.2	2.7	-
Kendrapara	Kendrapara	11400	11750		27000	32400		15600	20650		2.36	2.75	

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	0910R30												
Kendrapara	Kendrapara 0910K3 1	18180	19500	-	30450	37500	-	12270	18000	-	1.67	1.92	-
Kendrapara	Kendrapara 0910K3 2	20800	22200	-	30650	37280	-	9850	15080	-	1.47	1.67	

2.5 Recommendations/message form assessed/refined technology

KVK Name	OFT ID No	Final recommendation for micro level situation	Constraints identified and feedback for research	Process of farmers participation and their reaction	Farmers feed back	Process for sensitization of the line departments for replacement of the technology			
						Workshop/ meetings	Trainings	Visits	Publications
Kendrapara	Kendrapara 0910K04	Continued	Continued	Farmers' meeting, Training and Farmers' Visit	Farmers are satisfied with the performance of the growth of the Acacia trees	-	01	08	-
Kendrapara	Kendrapara 0910R11	Improved sickle reduces drudgery of farm women as it increases the labour efficiency.	Availability of sickle in huge amount	Training, demonstration and field visit	Farm women were comfortable working with the improved sickle.	01	01	03	
Kendrapara	Kendrapara 0910R12	Ring cutter harvests more produce in less time.	Availability of ring cutter	Training, demonstration and field visit	Farm women were comfortable working with the gloves	01	01	04	

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					and ring cutter				
Kendrapara	Kendrapara 0910R18	Vermi-compost can be used along with fertilizer for restoration of soil fertility and product quality	Suitable earthworm varieties are not available locally for vermin-composting	Farmers' meeting, training & field visit	Vermi should be supplied by KVK	1	1	2	-
Kendrapara	Kendrapara 0910R19	Seed treatment with Imidacloprid and foliar spraying of fipronil is effective against YMV in okra	When atmosphere temperature increases the yellowing of leaves increases	Farmers field visit, training	Farmers prefer the pesticide but the fipronil is not available in the local market	01	01	07	-
Kendrapara	Kendrapara 0910K20	The fungicide is very effective for management of wilt in brinjal	As fungicide is chemical in nature it may develop resistance to micro organism	Farmers field visit, training	Fungicide performed very effectively but cost of the product is high	01	01	05	-
Kendrapara	Kendrapara 0910S21	Integration of biofertilisers along with 75 % of STBFR of chemical fertilizers increases the yield of chilli	Availability of biofertilisers	Farmers' meeting, Training and Farmers' Visit	Farmers were satisfied with the weight of 100 green chilli fruit and its quality	-	01	05	-
Kendrapara	Kendrapara 0910S22	Utkal Manik can be used in summer as it is a dual season crop and gives good yield	Fruit size is short	Farmers' meeting, Training and Farmers' Visit	Farmers were satisfied with the bush type variety	-	01	03	-

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					which gives good fruiting				
Kendrapara	Kendrapara 0910K25	Oyster mushroom var. P. cous can be cultivated in off season i.e, July-October	Original pink colour of mushroom changed to whitish pink	Farmers meeting, farmers' visit, training	Mushroom spawn is not available in the district	01	01	04	-
Kendrapara	Kendrapara 0910R30	Seed treatment with Rhizobium culture along with Sodium molybdate can definitively increase production along with soil quality index	Rhizobium culture seed treatment is less effective in acid soil	Meeting, training	Liquid Rhizobium culture & micronutrient should be available locally	2	1	5	-
Kendrapara	Kendrapara 0910K31	Dhanicha can be used as green manure crop in Kharif paddy	Availability of seeds	Farmers' meeting, training & farmers' visit	Accepted the technology in Kharif paddy	01	01	01	
Kendrapara	Kendrapara 0910K32	Give yield & chemical weedicide (Butachloro @2.5lit/ha can be suitably in Kharif paddy	Farmers gave less importance to weed problem	Farmers' meeting, training & farmers' visit	Reduction of yield was obtained due to weed	01	01	-	-

2.6 Farmer-wise performance of the technology for assessment/refinement

KVK Name	OFT ID No	Farmers' name	Main Product (kg/ha)			By-Product (kg/ha)			Observations on Other Parameter					Observations on Other Parameter				
			T ₁	T ₂	T ₃	T ₁	T ₂	T ₃	Parameter name	Unit	T ₁	T ₂	T ₃	Parameter name	Unit	T ₁	T ₂	T ₃
Kendrapara	Kendrapara 0910K04	Hemanta	-	-	-	-	-	-	Height	Meter	2.02	3.10		Diameter	Meter	8.40	13.21	-
Kendrapara	Kendrapara 0910K04	Sarat	-	-	-	-	-	-	Height	Meter	2.15	3.23		Diameter	Meter	8.08	12.18	-
Kendrapara	Kendrapara 0910K04	Arakhita	-	-	-	-	-	-	Height	Meter	1.98	2.84		Diameter	Meter	7.92	12.69	-
Kendrapara	Kendrapara 0910K04	Giridhari	-	-	-	-	-	-	Height	Meter	1.86	2.98		Height	Meter	7.23	13.38	

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Kendrapara	Kendrapara 0910K04	Ananta	-	-	-	-	-	-	Height	Meter	2.49	3.06		Diameter	Meter	8.21	12.87	-
Kendrapara	Kendrapara 0910K04	Laxman	-	-	-	-	-	-	Height	Meter	2.35	2.69		Diameter	Meter	7.38	13.10	-
Kendrapara	Kendrapara 0910K04	Pagal	-	-	-	-	-	-	Height	Meter	1.69	3.25		Diameter	Meter	7.15	13.23	-
Kendrapara	Kendrapara 0910K04	Prakash	-	-	-	-	-	-	Height	Meter	1.86	3.08		Diameter	Meter	8.56	12.58	-
Kendrapara	Kendrapara 0910K04	Kailash	-	-	-	-	-	-	Height	Meter	2.20	2.81		Diameter	Meter	8.16	12.95	-
Kendrapara	Kendrapara 0910K04	Ajaya	-	-	-	-	-	-	Height	Meter	2.40	3.46		Diameter	Meter	8.91	13.81	-
Kendrapara	Kendrapara 0910R11	Smt. Mukuti DAS							Labour saving	%	20	25		Cutting of paddy	M ² /hr	86	125	
Kendrapara	Kendrapara 0910R11	Smt. Satyabhama Das							Labour saving	%	20	21		Cutting of paddy	M ² /hr	85	124	
Kendrapara	Kendrapara 0910R11	Smt. Mata Mallick							Labour saving	%	21	27		Cutting of paddy	M ² /hr	83	126	
Kendrapara	Kendrapara 0910R11	Smt. Swarna Lata Behera							Labour saving	%	19	30		Cutting of paddy	M ² /hr	84	127	
Kendrapara	Kendrapara 0910R11	Smt. Kusumalata Mohapatara							Labour saving	%	21	25		Cutting of paddy	M ² /hr	78	123	
Kendrapara	Kendrapara 0910R11	Smt. Debaki Lenka							Labour saving	%	22	20		Cutting of paddy	M ² /hr	79	126	
Kendrapara	Kendrapara 0910R11	Smt. Sailabala Das							Labour saving	%	22	20		Cutting of paddy	M ² /hr	80	124	
Kendrapara	Kendrapara 0910R11	Smt. Urmila Pradhan							Labour saving	%	17	22		Cutting of paddy	M ² /hr	82	127	
Kendrapara	Kendrapara 0910R11	Smt. Basanti Nath							Labour saving	%	21	23		Cutting of paddy	M ² /hr	84	123	
Kendrapara	Kendrapara 0910R11	Smt. Kabita Nath							Labour saving	%	22	24		Cutting of paddy	M ² /hr	86	128	
Kendrapara	Kendrapara 0910R11	Smt. Yamuna Sahoo							Labour saving	%	20	26		Cutting of paddy	M ² /hr	87	122	
Kendrapara	Kendrapara 0910R11	Smt. Banalata Nath							Labour saving	%	19	28		Cutting of paddy	M ² /hr	88	125	
Kendrapara	Kendrapara 0910R11	Smt. Gurubari							Labour saving	%	18	29		Cutting of paddy	M ² /hr	84	126	

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		Singh																
Kendrapara	Kendrapara 0910R11	Smt. Kosalya Nath						Labour saving	%	21	24		Cutting of paddy	M ² /hr	83	124		
Kendrapara	Kendrapara 0910R11	Smt. Manasi Nath						Labour saving	%	19	22		Cutting of paddy	M ² /hr	87	122		
Kendrapara	Kendrapara 0910R11	Smt. Manju Singh						Labour saving	%	20	27		Cutting of paddy	M ² /hr	81	128		
Kendrapara	Kendrapara 0910R11	Smt. Bilari Singh						Labour saving	%	16	26		Cutting of paddy	M ² /hr	79	125		
Kendrapara	Kendrapara 0910R11	Smt. Manjulata Nath						Labour saving	%	20	30		Cutting of paddy	M ² /hr	78	126		
Kendrapara	Kendrapara 0910R11	Smt. Dangi Nayak						Labour saving	%	21	28		Cutting of paddy	M ² /hr	77	124		
Kendrapara	Kendrapara 0910R11	Smt. Kuntala Nath						Labour saving	%	19	23		Cutting of paddy	M ² /hr	86	125		
Kendrapara	Kendrapara 0910R12	Shanti lata Das						Labour saving	%	22	35		Plucking of okra	Kg/hr	8	12		
Kendrapara	Kendrapara 0910R12	Kabita Das						Labour saving	%	29	33		Plucking of okra	Kg/hr	6	14		
Kendrapara	Kendrapara 0910R12	Sabita Das						Labour saving	%	25	35		Plucking of okra	Kg/hr	7	12		
Kendrapara	Kendrapara 0910R12	Pramila Das						Labour saving	%	24	38		Plucking of okra	Kg/hr	9	13		
Kendrapara	Kendrapara 0910R12	Mita Das						Labour saving	%	25	32		Plucking of okra	Kg/hr	5	14		
Kendrapara	Kendrapara 0910R12	Dukhi Das						Labour saving	%	23	39		Plucking of okra	Kg/hr	6	10		
Kendrapara	Kendrapara 0910R12	Basanti Das						Labour saving	%	29	34		Plucking of okra	Kg/hr	7	11		
Kendrapara	Kendrapara 0910R12	Manasi Das						Labour saving	%	26	32		Plucking of okra	Kg/hr	4	13		
Kendrapara	Kendrapara 0910R12	Kamala Das						Labour saving	%	24	34		Plucking of okra	Kg/hr	6	14		
Kendrapara	Kendrapara 0910R12	Diptimayee Das						Labour saving	%	23	32		Plucking of okra	Kg/hr	7	13		
Kendrapara	Kendrapara 0910R12	Ahalya DAS						Labour saving	%	22	37		Plucking of okra	Kg/hr	5	12		
Kendrapara	Kendrapara 0910R12	Nirmala Nayak						Labour saving	%	29	34		Plucking of okra	Kg/hr	7	13		
Kendrapara	Kendrapara	Debaki Das						Labour	%	25	38		Plucking of	Kg/hr	6	12		

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	0910R12								saving					okra			
Kendrapara	Kendrapara 0910R12	Joytimayee Nayak							Labour saving	%	26	33		Plucking of okra	Kg/hr	5	11
Kendrapara	Kendrapara 0910R12	Dipika Das							Labour saving	%	27	34		Plucking of okra	Kg/hr	4	10
Kendrapara	Kendrapara 0910R12	Kuni lata Das							Labour saving	%	22	33		Plucking of okra	Kg/hr	7	10
Kendrapara	Kendrapara 0910R12	Sasilekha Das							Labour saving	%	24	36		Plucking of okra	Kg/hr	8	11
Kendrapara	Kendrapara 0910R12	Nirupama Nayak							Labour saving	%	26	37		Plucking of okra	Kg/hr	7	12
Kendrapara	Kendrapara 0910R12	Basanti Mohanty							Labour saving	%	25	36		Plucking of okra	Kg/hr	6	11
Kendrapara	Kendrapara 0910R12	Kamala Mohanty							Labour saving	%	24	38		Plucking of okra	Kg/hr	5	12
Kendrapara	Kendrapara 0910R18	Ajaya Sahoo	24200	31200					Wt. of head	Kg/gm	0.968	1.25					
Kendrapara	Kendrapara 0910R18	Trilochan Sahoo	23800	26400					Wt. of head	Kg/gm	0.952	1.056					
Kendrapara	Kendrapara 0910R19	Sumanta Parida	12000	15000					virus infected plant	%	25	10					
Kendrapara	Kendrapara 0910R19	Pramod Nayak	12500	15500					virus infected plant	%	30	12					
Kendrapara	Kendrapara 0910R19	Kailash Sahoo	11500	14500					virus infected plant	%	20	8					
Kendrapara	Kendrapara 0910R19	Arakhita Sahoo	11800	15200					virus infected plant	%	28	11					
Kendrapara	Kendrapara 0910R19	Trilochan Sahoo	1200	14800					virus infected plant	%	22	9					
Kendrapara	Kendrapara 0910R20	Debendra Sahoo	28000	35000					Wilted plant	%	30	10					
Kendrapara	Kendrapara 0910R20	Pramod Nayak	28010	34000					Wilted plant	%	25	8					
Kendrapara	Kendrapara 0910R20	Ratnakar Sahoo	27090	35000					Wilted plant	%	30	12					
Kendrapara	Kendrapara	Ajaya	27080	36000					Wilted	%	27	9					

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	0910R20	Sahoo						plant									
Kendrapara	Kendrapara 0910R20	Bholanath Sahoo	28020	38500				Wilted plant	%	28	10						
Kendrapara	Kendrapara 0910R20	Sukades Sahoo	28020	32500				Wilted plant	%	28	9						
Kendrapara	Kendrapara 0910R20	Balaram Das	27080	32000				Wilted plant	%	26	12						
Kendrapara	Kendrapara 0910R20	Ratnakar Das	28000	38000				Wilted plant	%	25	10						
Kendrapara	Kendrapara 0910R20	Gautam Das	27060	40000				Wilted plant	%	26	13						
Kendrapara	Kendrapara 0910R20	Pari Das	28040	30000				Wilted plant	%	29	10						
Kendrapara	Kendrapara 0910S21	Brajabandhu Samal	10760	8320	-	-	-	Fruit length	cm	5.5	7.2	-	100 fruit weight (green chilli)	gm	60.5	76.5	-
Kendrapara	Kendrapara 0910S21	Ranjan Sahoo	8450	6410	-	-	-	Fruit length	cm	4.1	5.8	-	100 fruit weight (green chilli)	gm	57	80.4	-
Kendrapara	Kendrapara 0910S21	Sanjukta Das	7890	6820	-	-	-	Fruit length	cm	3.6	4.8	-	100 fruit weight (green chilli)	gm	48.5	65	-
Kendrapara	Kendrapara 0910S21	Fakir Charan Das	9700	8050	-	-	-	Fruit length	cm	4.8	7.4	-	100 fruit weight (green chilli)	gm	43.6	67.7	-
Kendrapara	Kendrapara 0910S22	Pagal Sahoo	7850	5980				Fruit length	cm	22.8	35.8	-	100 fruit weight	kg	0.94	1.35	-
Kendrapara	Kendrapara 0910S22	Birendranath Nayak	8960	6950				Fruit length	cm	26.4	36.4	-	100 fruit weight	kg	0.86	1.6	-
Kendrapara	Kendrapara 0910S22	Santosh Kumar Barik	8560	6430				Fruit length	cm	21.4	33.8	-	100 fruit weight	kg	0.74	1.8	-
Kendrapara	Kendrapara 0910S22	Kangali Sethi	7480	6050				Fruit length	cm	25.7	37.1	-	100 fruit weight	kg	0.68	0.94	-
Kendrapara	Kendrapara 0910S22	Srimanta Parida	8350	6840				Fruit length	cm	19.7	29.9	-	100 fruit weight	kg	1.03	1.31	-
Kendrapara	Kendrapara 0910K25	Nrusingha Ch. Lenka	1.0	1.65	-	-	-	Time taken for spawn run	Days	15	12		Fruiting body	Number	170	210	-
Kendrapara	Kendrapara 0910K25	Jayant Mallick	0.9	1.5						16	11				172	200	-

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Kendrapara	Kendrapara 0910K25	Subash Mallick	1.1	1.35						17	13			168	220	-	
Kendrapara	Kendrapara 0910K25	Pramila Mallick	1.2	1.59						14	12			164	240	-	
Kendrapara	Kendrapara 0910K25	Hemanta Ku. Kar	0.8	1.41						17	12			176	180	-	
Kendrapara	Kendrapara 0910S30	Arakhita Das	5300	7200				No. of effective nodules/plant	Number	23	42		No. of pods/plant	No.	30	45	
Kendrapara	Kendrapara 0910S30	Uddhava Sahoo	6200	6900				No. of effective nodules/plant	Number	27	42		No. of pods/plant	No.	28	42	
Kendrapara	Kendrapara, 0910S30	Pranaranjan Pattnaik	63000	72500				No. of effective nodules/plant	Number	28	40		No. of pods/plant	No.	32	46	
Kendrapara	Kendrapara 0910S30	Parikhita Jena	57000	69200				No. of effective nodules/plant	Number	22	42		No. of pods/plant	No.	32	45	
Kendrapara	Kendrapara 0910S30	Khageswara Parida	62500	73600				No. of effective nodules/plant	Number	27	41		No. of pods/plant	No.	26	44	
Kendrapara	Kendrapara 0910S30	Adikanda Mallick	62000	74000				No. of effective nodules/plant	Number	27	48		No. of pods/plant	No.	36	48	
Kendrapara	Kendrapara 0910S30	Prafulla Sethi	58000	71500				No. of effective nodules/plant	Number	22	45		No. of pods/plant	No.	34	41	
Kendrapara	Kendrapara 0910S30	Udayavanu Barik	57500	73000				No. of effective nodules/plant	Number	24	40		No. of pods/plant	No.	32	49	
Kendrapara	Kendrapara 0910S30	Basanta Barik	59000	72000				No. of effective nodules/plant	Number	20	40		No. of pods/plant	No.	35	39	
Kendrapara	Kendrapara 0910S30	Smuruti Ranjan Das	61000	72200				No. of effective nodules/plant	Number	30	40		No. of pods/plant	No.	29	45	
Kendrapara	Kendrapara 0910K31	Mayadhara	3200	3760		5340	6470	No. of tiller/m ²	Number	340	380		No. of grain/panicle	Number	295	330	
Kendrapara	Kendrapara 0910K31	Bhikari	3050	3670		4720	6500	No. of tiller/m ²	Number	375	365		No. of grain/panicle	Number	248	355	
Kendrapara	Kendrapara 0910K31	Babaji	3110	3540		5460	6210	No. of tiller/m ²	Number	334	393		No. of grain/panicle	Number	253	306	

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Kendrapara	Kendrapara 0910K31	Prahalada	3340	3920		5570	6630		No. of tiller/m ²	Number	371	411		No. of grain/panicle	Number	310	295	
Kendrapara	Kendrapara 0910K31	Umakanta	3100	3660		5610	6440		No. of tiller/m ²	Number	360	391		No. of grain/panicle	Number	294	314	
Kendrapara	Kendrapara 0910K32	Nrusingha	3200	4080		5080	6100		Tiller/m ²	Number	355	410	-	Weed%	Percentage	39.4	20.2	-
Kendrapara	Kendrapara 0910K32	Abhaya	2930	4210		5140	6340		Tiller/m ²	Number	420	385	-	Weed%	Percentage	40.8	19.4	-
Kendrapara	Kendrapara 0910K32	Gadadhara	3180	3950		5230	5820		Tiller/m ²	Number	390	470	-	Weed%	Percentage	41.6	18.3	-
Kendrapara	Kendrapara 0910K32	Ratnakara	3020	4055		4890	6510		Tiller/m ²	Number	365	450	-	Weed%	Percentage	33.4	16.2	-
Kendrapara	Kendrapara 0910K32	Goutam	2920	4305	-	5310	6430		Tiller/m ²	Number	370	435	-	Weed%	Percentage	35.3	18.4	-

3. Achievements of Frontline Demonstrations (conducted during 1-04-2009 to 31-03-2010)

(On the basis of Soil Test based fertilizer application for Acceptability of your results)

3.1. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
Kendrapara	Paddy	Varietal substitution	High yielding paddy for mid low land situation	Training, group meeting, field visit etc.	4	140	210
Kendrapara	Paddy	Varietal substitution	Cultivation of fine rice in mid land situation	Training, group meeting, visit to farmers' field etc.	5	130	270
KVK, Kendrapara	Nutritional garden	Resource conservation technology	Nutritional garden	Training and demonstration	15	425	22
KVK, Kendrapara	Poultry	Evaluation of breeds	Demonstration on semi intensive poultry rearing for dual purpose.	Training and demonstration	4	120	-

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KVK, Kendrapara	Mushroom cultivation	Mushroom cultivation	Oyster mushroom cultivation	Training and demonstration	10	200	-
KVK, Kendrapara	Rake weeder	Drudgery reduction	Use of rake weeder for reduction of drudgery of farm women	Demonstration	3	30	-
Kendrapara	Paddy	Integrated pest management	Control of yellow stem borer through pheromone trap , parasitoids and need based use of Cartap hydrochloride	Training, FLD	10	150	200
Kendrapara	Rice	Integrated nutrient management	Borax @0.25% & Zn EDTA @0.15% was spread twice during PI stage for reducing % of sterile grain	Field day, training and TV coverage etc.	4	105	56
Kendrapara	Potato	Integrated disease management	Management of late blight of potato through seed treatment with Streptocycline+Carboxin & Thiram, spraying thecroith Metalxyl 8%+ Mancozeb 64%	Training, FLD	20	240	150
Kendrapara	Paddy	Integrated disease management	Seed treatment and foliar spraying of with chemical fungicide	Training, FLD	45	400	120
Kendrapara	Brinjal	Integrated pest management	Management of fruit and shoot borer in Brinjal through Pheromone trap, bio-agent Trichogamma and need based application of chemical pesticide.	Training, FLD	55	350	160
Kendrapara	Chilli	Integrated pest management	Management of leaf curl of chilli through chemical pesticide	Training, FLD	30	250	60
Kendrapara	Marigold	Integrated Crop Management	Cultivation of marigold variety Ceracole with full package of practices with staggered method of planting. Compost @ 3kg/m ² is mixed in the soil.with 20gm.urea, 100gm. super	Training and demonstration	10	38	10

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			phosphate and 50 gm muriate of potash/m ²				
Kendrapara	Coconut	Integrated nutrient management	Apply fertilizers (1.5 kg Ammonium Sulphate, 1kg urea, 2 kg ssp, 2 kg mop and 3 kg magnesium sulphate per palm per year) in two splits. 1/3rd. dose is to be applied during April-May and 2/3rd during September-October for rain fed palms and four equal splits for irrigated palms. Apply neem cake @ 3 kg. per palm per year	Training and demonstration	15	65	25

3.2 Details of FLDs implemented

KVK Name	Type (Crop/Enterprise)	Name of Crop/Enterprise	Category of crops*	Category of Enterprise**	Season and year	Thematic area	Area (ha) in case of crop	No. of Units, in case of Enterprise	Size of Unit in case of Enterprise	No. of farmers				
										SC	ST	OBC	Others	Total
Kendrapara	Crop	Paddy	Cereal	-	Kharif, 2009-10	Varietal substitution	10	-	-	-	-	-	10	10
Kendrapara	Crop	Paddy	Cereal	-	Kharif, 2009-10	Integrated crop management	1.5	-	-	-	-	-	3	3
Kendrapara	Crop	Paddy	Cereal	-	Rabi/Summer, 2009-10	Resources conservation technology	0.8	-	-	-	-	-	2	2
Kendrapara	Crop	Nutritional garden	Vegetable and greens		Rabi, 2009-10 & summer 2010	Resources conservation technology	0.5			4	-	-	26	30
Kendrapara	Enterprise	Livestock enterprise	-	Poultry	Rabi, 2009-10	Evaluation of breeds		25	8 birds per unit	23	-	-	2	25
Kendrapara	Enterprise	Farm implements	-	Rake weeder	Rabi, 2009-10	Drudgery reduction	1			-	-	-	10	10
Kendrapara	Enterprise	Mushroom	-	Mushroom	Rabi, 2009-10	Mushroom cultivation		10	10 beds per unit	1	-	-	9	10
Kendrapara	Crop	watermelon	Vegetable	-	Rabi, 2009-10	ICM	2.5	-	-	5	-	-	3	8

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apara														
Kendr apara	Crop	Marigold	Flower		Rabi, 2009-10	ICM	1	-	-	1	-	2	-	3
Kendr apara	Crop	Coconut	Fruit		Rabi, 2009-10	INM	1	-	-	-	-	4	-	4
Kendr apara	Crop	Pointed gourd	Vegetable		Summer, 2010	Vaiietal evaluation	0.12	-	-	-	-	4	-	4
Kendr apara	Crop	Paddy	Cereal	-	Kharif 2009-10	Integrated pest management	1	-	-	-	-	-	5	5
Kendr apara	Crop	Potato	Vegetable	-	Rabi 2009-10	Integrated disease management	1	-	-	-	-	2	3	5
Kendr apara	Crop	Chilli	Vegetable	-	Rabi 2009-10	Integrated pest management	1	-	-	-	-	-	5	5
Kendr apara	Crop	Brinjal	Vegetable	-	Rabi 2009-10	Integrated pest management	1	-	-	-	-	5	-	5
Kendr apara	Crop	Paddy	Cereal	-	Summer 2009-10	Integrated disease management	1	-	-	-	-	-	5	5
Kendr apara	Crop	Rice	Cereal	-	Kharif 2009-10	Integrated nutrient management	0.5	-	-	-	-	5		5
Kendr apara	Crop	Potato	Vegetable	-	Rabi 2009-10	Integrated nutrient management	4.0					10		10
Kendr apara	Crop	Cauliflower	Vegetable	-	Rabi 2009-10	Integrated nutrient management	0.8					2		2
Kendr apara	Crop	Tomato	Vegetable	-	Summer-10	Integrated nutrient management	0.4					2		2

* Cereal/Oilseed/Pulse/Vegetable/Fruit/Flower/Spice/Medicinal&Aromatic/Fibre/Plantation/Fodder/

** Farm Implements/ Livestock Enterprises (Dairy/Buffalo/Goatery/Poultry etc.)/Mushroom/Apiary/Sericulture/Vermi-composting/Lac production etc.

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3.3 Details of farming situation

KVK Name	Name of Crop/ Enterprise	Farming situation (Rainfed/Irrigated)	Soil type	Type of Cultivation (Low land/ Mid land/ Upland)	Cropping system	Previous crops	Status of soil (kg/ha)			Sowing Time	Harvest date	Seasonal rainfall (mm)	No. of rainy days	Status of the FLD (Completed/ Continued/ Result awaited)
							N	P	K					
Kendra para	Paddy	Rainfed	Alluvial	Mid land	Rice-pulse	Rice	Low	Medium	Medium	June IV Week	Nov II & III Week	1180	36	Completed
Kendra para	Paddy	Rainfed	Alluvial	Mid land	Rice-rice	Rice	Low	Medium	Medium	July I Week	Nov IV Week	1120	35	Completed
Kendra para	Paddy	Rainfed	Alluvial	Mid land	Rice-pulse	Rice	Low	Medium	Medium	Jan II Week	April III & IV Week	1080	25	Continued & result awaited
Kendra para	Nutritional garden	Irrigated	Alluvial	Upland	Rice-Vegetable	Rice	Low	Medium	Medium	Oct I week & Feb-I week	March I week & May I week	247.7	9.7	Completed in rabi, Continuing in summer
Kendra para	Enterprise (Poultry)	-	-	Upland	Rice-Vegetable	-	-	-	-	Oct IV week	Feb IV Week	119.7	2.1	Completed
Kendra para	Enterprise (Rake weeder)	Irrigated	Alluvial	Upland	Rice-Vegetable	Rice	Low	Medium	Medium	Oct I week	Jan I week	222.7	8.7	Completed
Kendra para	Enterprise (Mushroom)	-	-							Oct I week	Oct -III week			Completed
Kendra para	Paddy	Rainfed	Alluvial	Mid land	Paddy-pulse	Pulse	Low	Medium	Medium	September-I Week	January-I & II Week	572.7	21.1	Completed
Kendra para	Potato	Irrigated	Alluvial	Upland	Pulse-vegetable	Fallow	Low	Medium	Medium	November-I Week	January-IV Week	44.7	2.1	Completed
Kendra para	Chilli	Irrigated	Alluvial	Upland	Paddy-pulse-vegetable	Paddy	Low	Medium	Medium	November-IV Week	April-III & IV week	597.1	22.1	Completed
Kendra para	Brinjal	Irrigated	Alluvial	Upland	Rice-pulse/vegetable/oil	Pulse	Low	Medium	Medium	November-III Week	April-IV Week & May-IV	597.1	22.1	Completed

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					seed						Week			
Kendra para	Paddy	Irrigated	Alluvial	Mid land	Rice-pulse/vegetable/oil seed	Paddy	Low	Medium	Medium	January-I & II Week	April-IV week	35	2	Completed
Kendra para	Rice	Rainfed	Alluvial	Mid land	Rice-pulse	Blackgram	Low	Med	Med	July-IV Week	December-II Week	1323.7	46.6	Completed
Kendra para	Potato	Irrigated	Alluvial	Mid land	Rice-vegetable	Potato	Low	Med	Med	December-II Week	February-IV Week	25	3	Completed
Kendra para	Cauliflower	Irrigated	Alluvial	Mid land	Rice-vegetable	Cauliflower	Low	Med	Med	November-I Week	January-II Week	44.7	2.1	Completed
Kendra para	Tomato	Irrigated	Alluvial	Mid land	Rice-vegetable	Tomato	Low	Med	Med	January-I Week	March-II Week	35	2	Completed
Kendra para	Watermelon	Irrigated	Alluvial	Upland	Rice-vegetable	Paddy	Low	Med	Med	January-I Week	April-I Week	35	2	Completed
Kendra para	Coconut	Rainfed	Alluvial	Medium	Fallow	Fallow	Low	Med	Med	September-I Week	March I Week	592.7	23.1	Completed
Kendra para	Marigold	Irrigated	Alluvial	Upland	Rice-vegetable	Paddy	Low	Med	Med	November-III Week	March II	92.1	23.1	Completed
Kendra para	Pointed gourd	Irrigated	Alluvial	Upland	Vegetable - Vegetable	Paddy	Low	Med	Med	January-I Week	April onwards to July IV Week	125	8	Continuing

3.4 Details of Technology demonstrated

KVK Name	Name of Crop/Enterprise	Problem Identified	Detail of Farmers practice (Local Check)	Name of Technology	Detail of the technology demonstrated	Source and year of technology released	Thematic Area	Name of Variety Used	Characteristic of the variety	Source of variety and year of release	Whether assessed under OFT or not
Kendra para	Paddy	Varieties cultivated in mid land are low yielder & prone to disease pest	Growing Swarana suitable to disease pest attack	Introduction of HYV paddy (CV-Pratikshya) for mid low land situation	Suitable HYV Pratikshya with high yield and disease pest resistance	OUAT 2003	Varietal substitution	Pratikshya	Mid land variety 130 days duration Disease pest resistance & with high yield potential	OUAT, 2005	Yes

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Kendrapara	Paddy	Low yield due to imbalance use of fertilizer and no use of bio-fertiliser	Normal chemical fertilizer application	Integrated nutrient management (INM) in medium land paddy	Use of soil test based(60-35-40) N:P:K kg/ha along with 15 kg BGA &10kg PSB/ha along with	CRRI, 2001	Integrated crop management	Swarna	Mid to low land variety 135 days duration	ANGRAU, 2002	Yes
Kendrapara	Paddy	Poor paddy yield from traditional practice	Traditional practice of rice growing	SRI in Rabi rice	Planting 10-12 days old rice seedling with 0.m and 25 x 25 cm sparing	TNAU, 2001	Resource conservation technology	Khanadagiri	Short duration (90 days) variety	OUAT, 1996	Yes
Kendrapara	Crop	Imbalanced intake of food material by house hold members	Fallow in the backyard	Nutritional gardening	Use of improved seeds, vermicompost and neem based pesticides	NIN	Resource conservation technology	Poi- Bombay white Cowpea- Visola Snake gourd- Green long Ridge-gourd- Debsunday Cucumber- Mancherlong Okra-Glory, Arkaanamika Bitter gourd- Dhaniakhali Radish-Pusa chetaki Beans-Falguni Kusala-Red Papaya-Corge honeydew Palak- Delhi green Tomato- Jyoti Cauliflower- Dipa Watermelon- Sugarbaby	-	-	No

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								Bitterguard-Greenlong Khada-White			
Kendra para	Enterprise (Poultry)	Low income and low egg production due to local bird	Rearing local variety breeds	Introduction of colour bird semi intensive dual purpose.	Rearing of colour bird , vaccination & feeding practice	CPDO	Evaluation of breeds	Black Rock & RIR	Dual purpose breed having high growth rate	CPDO	No
Kendra para	Enterprise (Rake weeder)	More labour for weeding per ha of tomato crop	Use of traditional 'Khurpi' causes drudgery of farm women	Use of rake weeder for reduction of drudgery of farm women	Use of rake weeder for weeding	CIAE, Bhopal	Drudgery reduction	Rake weeder	Suitable for weeding in tomato field for farm women.	CIAE, Bhopal	Yea
Kendra para	Enterprise (Mushroom)	Improper method of raising of mushroom beds in winter	No straw sterilization, and steamed wheat in the bed	Cultivation of oyster mushroom	Mushroom cultivation during winter in proper scientific way		Mushroom cultivation	<i>P. Sajarkaju</i>	Suitable for winter season, Yield Potential-1.5 kg/bed	-	No
Kendrap ara	watermelon	Low fruit setting in watermelon crop resulting to poor yield	No use of hormones to increase to number of female flowers and reduce the flower drop	Application of hormone Triacotanol on watermelon	Application of Triacotanol 0.05 EC @0.4ml/lit of water after 2-4 leaf stage 3-4 times at weekly interval	IIHR (2007)	ICM	Sitara	Suitable for irrigated condition, round fruits, resistance to powdery mildew, yield potential-30q/ha	-	yes
Kendrap ara	Marigold	Even though there is high demand of flowers in local market farmers are not interested for floriculture and are dependent on outside state flowers	New introduction	Use of variety Ceracole with nutrient management	Cultivation of marigold variety Ceracole with full package of practices with staggered method of planting. Compost @ 3kg/m ² is mixed in the soil.with 20 gm urea, 100	OUAT (2007)	ICM	Ceracole	Suitable for irrigated condition, tall plants, orange colour flowers with yield potential of 130q/ha	-	No

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					gm super phosphate and 50 gm muriate of potash/m ²						
Kendrapara	Coconut	Low return of nuts from existing coconut plantations	No application of fertilizers to existing coconut plantations	Nutrient management through Chemical and organic fertilizers	Application of fertilizers (1.5 kg Ammonium Sulphate, 1kg urea, 2 kg ssp, 2 kg mop and 3 kg magnesium sulphate per palm per year) in two splits. 1/3rd. dose is to be applied during April-May and 2/3rd during September-October for rain fed palms and four equal splits for irrigated palms. Apply neem cake @ 3 kg. per palm per year	Regional centre of CDB (2008)	INM	East coast tall	Suitable for saline soil condition in coastal areas grows to a height of 25-30 cm, the pre bearing age is 6-10 years with yield potential of 70 nuts/palm/year	-	No
Kendrapara	Pointed gourd	Low yield from local old varieties of pointed gourd (Gaiya)	Use of local variety of pointed gourd Gaiya	Introduction of improved variety of pointed gourd cv. <i>Swarna Alaukik</i>	Pointed gourd variety <i>Swarna alaukik</i> having Light green fruits 5-8cm long, solid, thin skinned, good for table purpose.	CHES, IIHR(2008)	Varietal introduction	Swarna Alaukik	Fruits are light green in colour, 5-8cm long, solid, thin skinned, good for table purpose. Response well to vertical stacking. Yield 230-250q/ha)	CHES, IIHR(2008)	Yea
Kendra	Potato	Low yield due	Seed	Management of	Wet seed	OUAT	Integrated	Kufri Chandra	Tuber size large	CRRI, HP,	Kendrapara

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para		to blight of potato	treatment with Carbendazim and spraying the crop with Mancozeb with improper dose	late blight disease of potato caused by <i>Phytophthora infestans</i>	treatment with Carboxin 37.5%+Thiram 37.5% @ 0.2%+Streptocycline 0.01% for 15 min. followed by shade drying and spraying with Ridomil MZ 72. 0.2% twice at 10 days interval	2006	disease management	mukhi	oval white, fleet eyes, medium height. Avrage yield 210g/ha	2002	
Kendrapara	Brinjal	Severe attack of fruit & shoot borer in Brinjal	Improper indiscriminate use of chemical pesticide like Chloropyriphus+cypermethrin	Integrated pest management for control of fruit and shoot borer in brinjal	Clipping of affected shoot Use of pheromone traps (25 nos/ha) along with leucin lures. Release of Trichogamma chilonis 50,000/ha need based application of cartap hydrochloride 2g/lit of water+ Diflubenzuron 0.5gm/lit of water	OUAT, 2007	Integrated pest management	BB-44	Plant medium height, fruit long medium in size, green in colour, yield 316q/ha	OUAT 2003	Kendrapara
Kendrapara	Chilli	Low fruit yield, curling of leaf and reduction in market value	Spraying of chemical pesticide like chloropyriphus regular and carbendozim with improper dose	Suppression of thrips in chilli by chemical means	foliar spray of Imidachloprid 17.8SL@ 0.5 ml per liter of water	OUAT 2007	Integrated pest management	Surya Mukhi	Fruit are long, stem green turns bright red in ripening stage, yield 18 q/ha		Yes
Kendrap	Paddy	Chaffy grain	Management	Integrated	Seed treatment	OUAT	Integrated	Lalat	Suitable for	OUAT	No

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ara		and low yield due to severe blast occurrence in summer paddy	of blast of paddy through chemical means	disease management for control of blast in summer paddy	with Tricyclazole 2gm/kg of seed, foliar spray of Tricyclazole @1gm/lit of water	2006	disease management		medium land. 125 days duration. 7.5 t/ha yield potential		
Kendrapara	Paddy	Dead heart, chaffy grain reduction in yield due to stem borer infestation	Use of chloropyriphus with under doses	Integrated management for suppression of yellow stem borer in paddy	Application of Carbofuran 3G @10G/10 cent of nursery 7-10 days before up of seedling tips. Fixation of Pheromone trap @8nos/acre. Release of parasitoid Trichogamma japonicum 6 times @20,000/acre	OUAT 2006	Integrated pest management	Swarna	Suitable for medium land, seed full red in colour, white kernel. Suitable for rainfed medium for low land. Duration 145 day. Yield potential 7t/ha	MTU, 2002	No
Kendra para	Rice	More no. of chaffs due to micronutrient deficiency	No use of micronutrients	Spraying of Borax & ZnEDTA	Twice spraying of Borax & Zn EDTA @0.25% & 0.15% % respectively between P. I stage and complete emergence		Integrated nutrient management	Swarna	Suitable for Mid-low land situation with yield potential of 45q/ha	OUAT, 2002	Yes
Kendrapara	Potato	Depletion of soil structure with deterioration of keeping quality	In discriminate application of chemical fertilizer	Nutrient management through chemical and bio-fertilizer combination	Application of R-D-F i.e, 150-100-100kg/ha+FYM incubated bio-fertilizer like Azotobactor Azospirillum & PSB @100ml/acre	OUAT, 2007	Integrated nutrient management	Kufri chandramukhi	-	-	Yes
Kendrapara	Cauliflower	Yellowing of curd, less	Application of chemical	Nutritional management	Application of fertilizer @125-	OUAT, 2007	Integrated nutrient	Namdhari 60	Indeterminate type fruit	-	No

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		compact reducing market value	fertilizer only with all micronutrients	through RDF and micronutrient	75-50 KGN-P ₂ O ₅ -K ₂ O/ha along with twice spraying of Borax, Zinc sulphate & Sodium Molybdate @0.25%, 0.1% and 0.2% respectively after 25 days in 10 days interval		management		medium to large size. Resistant to bacterial wilt with avg. yield potential of 410q/ha		
Kendrapara	Tomato	Blossom end rot as a symptoms of calcium deficiency in acid soil	Indiscriminate use of acid forming fertilizer	Nutrient management through RDF and lime application	Lime is applied @0.25LR	OUAT 2005	Integrated nutrient management	BT-10	Indeterminate type fruit medium to large size. Resistant to bacterial wilt with avg. yield potential of 410q/ha	-	No

3.5 Performance of FLD

A. Production

KVK Name	Name of Crop/Enterprise	Thematic Area	Variety	No. of Farmers	Area (ha)	Production (q/ha)				Increase in yield (%)
						Demonstration			Local Check	
						Maxi	Min	Average		
1	2	3	4	5	6	7	8	9	10	11
Kendrapara	Paddy	Varietal substitution	Pratikshya	10	5	45.0	39.0	42.0	36.0	16.66
Kendrapara	Paddy	Integrated crop management	Swarna	3	1.5	43.6	39.0	41.3	37.5	10.13
Kendrapara	Paddy	Resource conservation technology	Khandagiri	2	0.8	68.2	54.6	61.4	35	75.42
Kendrap	Crop	Resource	Poi- Bombay White,	30	0.5	165	104	143	92	55.4

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ara		conservation technology	Cowpea-Visola Snake gourd- Green long Ridge-gourd-Debsunday Cucumber-Mancherlong Okra-Glory, Arkaanamika Bitter gourd- Dhaniakhali Radish-Pusa chetaki Beans-Falguni Kusala-Red Papaya-Corge honeydew Palak- Delhi green Tomato- Jyoti Cauliflower- Dipa Watermelon-Sugarbaby Bitterguard-Greenlong Khada-White							
Kendrapara	Enterprise (Poultry) Yield Q/100 bird	Evaluation of breeds	Black Rock & RIR	25		2	1.1	1.5	1	50
Kendrapara	Enterprise (Rake weeder)	Drudgery reduction	Rake weeder	10	1	22.4	18.5	19.3	18.1	6.62
Kendrapara	Enterprise (Mushroom) Yield/100 bed	Mushroom cultivation	<i>P. Sajarkaju</i>	10	-	1.8	0.9	1.5	1	50
Kendrapara	Watermelon	ICM	Sitara	8	2.5	268	204	228.3	196	16.52
Kendrapara	Marigold	ICM	Ceracole	3	1	126.4	88.5	106.74	-	-
Kendrapara	Coconut	INM	East coast tall	4	1	84.6	72.5	78.7	64.0	23.04
Kendrapara	Pointed gourd	Varietal Evaluation	Swarna Alaukik	4	0.12	-	-	-	-	-
Kendrapara	Paddy	Integrated pest management	Swarna	5	1	45.00	42.0	43.5	35.0	19.54
Kendrapara	Potato	Integrated disease management	Kufri chandramukhi	5	1	220.00	187.5	205.74	156.25	24.05
Kendrapara	Brinjal	Integrated pest management	BB-44	5	1	370	320	342	274	19.88
Kendrapara	Chilli	Integrated pest	Surya mukhi	5	1	38	32	35	25	28.57

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ara		management									
Kendrapara	Paddy	Integrated disease management	Lalat	5	1	52	48	50	40	20	
Kendrapara	Rice	Integrated nutrient management	Swarna	5	0.5	48.3	39.8	43.0	36.5	17.8	
Kendrapara	Potato	Integrated nutrient management	Kufri Chandramukhi	10	4	220	181.2	198.1	180	10	
Kendrapara	Cauliflower	Integrated nutrient management	Namdhari 60	2	0.8	216	208	212	185	14.6	
Kendrapara	Tomato	Integrated nutrient management	BT-10	2	0.8	280	164	272	235	15.7	

B. Other Parameters (continuation of previous table)

KVK Name	Name of Crop/Enterprise	Data on parameter in relation to technology demonstrated				Data on parameter in relation to technology demonstrated				Data on parameter in relation to technology demonstrated			
		Name of parameter	Unit	Demo	Local Check	Name of parameter	Unit	Demo	Local Check	Name of parameter	Unit	Demo	Local Check
		12	13	14	15	16	17	18	19	20	21	22	23
Kendrapara	Paddy	Effective tiller/m ²	Number	410	350	No. of grain/panicke	Number	310	270	Disease pest incidence	%	7	20
Kendrapara	Paddy	Effective tiller/m ²	Number	380	330	No. of grain/panicke	Number	290	230	1000 grain weight	gm	22.1	21.3
Kendrapara	Paddy	Effective tiller/sq.m	Number	990	340	Grains/panicke	Number	410	250	1000 grain weight	Number	23.2	21.0
Kendrapara	Crop	Harvest of vegetables per day	Kg	5	-	-	-	-	-	-	-	-	-

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Kendr apara	Enterprise (Poultry)	Meat yield per bird	Kg	2	1.5	Eggs per bird	Number	120	80	-	-	-	-
Kendr apara	Enterprise (Rake weeder)	Labour requirement for weeding one ha of crop	Number	26	13	Weeding time	Sq. m/day	400	100	-	-	-	-
Kendr apara	Enterprise (Mushroom)	Yield / bed	Kg	1.25	.75	-	-	-	-	-	-	-	-
Kendr apara	Watermelon	Single fruit weight	Kg	2.5	1.9	Fruits per plant	Number	3.9	2.6	-	-	-	-
Kendra para	Marigold	100 flower weight	gm	325	-	Flowers per plant	Number	62.5	-	-	-	-	-
Kendra para	Coconut	Nuts per plant	Number	44	36.5	Nuts per bunch	Number	14.5	11.8	-	-	-	-
Kendra para	Pointed gourd	Single fruit weight	gm	18.5	16.2	Fruits per 10 nodes	Number	3.8	12	-	-	-	-
Kendr apara	Paddy	Dead heart	Percentage	5	20	Chaffy grain	Percent age	5	20	-	-	-	-
Kendr apara	Potato	Blighted leaved	Percentage	10	30	Rotted tuber	Percent age	9	25	-	-	-	-
Kendr apara	Brinjal	Shoot infestation	Percentage	8	20	Fruit infestation	Percent age	14	34	-	-	-	-
Kendr apara	Chilli	Leaf curling	Percentage	20	40					-	-	-	-
Kendr apara	Paddy	Blighted leaves	Percentage	10	20	Neck infection	Percent age	8	12	-	-	-	-
Kendr apara	Rice	No.of filled grain per panicle	Number	182	145	No. of chaffs per panicle	No.	9	19	1000gm.w t.	gm.	25.5	19.6
Kendr apara	Potato	Avg. wt. of tuber	gm.	358	325	Keeping quality	Days	2.5	1.0	-	-	-	-
Kendr apara	Cauliflower	Avg. wt. of curd	gm.	850	740	Yellow curd	No.	8	15	-	-	-	-
Kendr apara	Tomato	Avg. wt. of fruit	gm	45	35	Blossom end rot	No.	12	32	-	-	-	-

C. Economic Impact (continuation of previous table)

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KVK Name	Name of Crop/Enterprise	Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check
		24	25	26	27	28	29	30	31
Kendrapara	Paddy	23000	21500	42650	38350	19650	16850	1.85	1.78
Kendrapara	Paddy	24180	20450	41300	33550	17120	16100	1.70	1.64
Kendrapara	Paddy	24600	24200	60400	39500	35800	15300	2.45	1.63
Kendrapara	Crop	15500	-	24430	-	8930	-	1.57	-
Kendrapara	Enterprise (Poultry) Rs/100 bird	4500	2500	9000	3000	4500	500	2	1.2
Kendrapara	Enterprise (Rake weeder)	38300	34700	61430	48650	23130	13950	1.6	1.4
Kendrapara	Enterprise (Mushroom) Rs/100 bed	1500	1100	6000	3500	4500	2400	4	3.18
Kendrapara	Watermelon	30125	29450	64600	50650	34475	21200	2.14	1.72
Kendrapara	Marigold	52450	-	85386	-	32936	-	1.62795	-
Kendrapara	Coconut	18500	11200	31500	16800	13000	5600	1.7	1.5
Kendrapara	Pointed gourd (Continued)	-	-	-	-	-	-	-	-
Kendrapara	Paddy	23760	20000	43500	35000	19740	14900	1.83	1.75
Kendrapara	Potato	34500	30000	61722	46875	27222	16875	1.78	1.56
Kendrapara	Brinjal	41440	35990	102600	42200	61160	46210	2.48	2.29
Kendrapara	Chilli	55000	48000	122500	87500	67500	39500	2.23	1.83
Kendrapara	Paddy	18300	16200	35000	28000	16700	11800	1.91	1.72
Kendrapara	Rice	25200	23400	43000	36500	17800	13100	1.71	1.54
Kendrapara	Potato	36500	34000	86400	72000	49900	38000	2.36	2.11
Kendrapara	Cauliflower	51290	50917	127200	111000	75910	60083	2.48	2.18
Kendrapara	Tomato	39338	35000	95200	82250	55862	47250	2.42	2.35

3.6 Analytical Review of component demonstrations

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KVK Name	Crop	Season	Type of Demo (Full Package/ Component)	Components provided by KVK	Components provided by Farmers	Farming situation	Average yield under demonstration(q/ha)	Average yield under Local check (q/ha)	Percentage increase in productivity over local check
Kendrapara	Paddy	Kharif, 2009-10	Component (seed)	Seeds of Pratikshya	Fertiliser	Rainfed	42.0	36.0	16.66
Kendrapara	Paddy	Kharif, 2009-10	Component (chemical fertilizer & bio-fertilizer)	chemical fertilizer & bio-fertilizer	Seed	Rainfed	41.3	37.5	10.13
Kendrapara	Paddy	Rabi, 2009-10	Component (Seed and marker implement)	Seed, marker	Fertilizer, pesticide	Rainfed	61.4	35.0	75.42
Kendrapara	Crop	Rabi, 2009-10 & summer 2010	Component (seeds & neem based pesticides)	Seeds & neem based pesticides	Fertilizer,	Irrigated	168		
Kendrapara	Enterprise (Poultry) q/100 bird	Rabi, 2009-10	Component(birds, vaccines)	Colour birds & RD vaccines	Feed	Rainfed	1.5	1	50
Kendrapara	Enterprise (Rake weeder)	Rabi, 2009-10	Component(rake weeder)	Rake weeder	Full package	Irrigated	19.3	18.1	6.62
Kendrapara	Enterprise (Mushroom) Rs/100 bed	Rabi, 2009-10	Component (Spawn & polythene)	Spawn & polythene	Straw & wheat	Rainfed	1.5		50
Kendrapara	Watermelon	Rabi, 2009-10	Component (Hormone)	Hormone	Seed, Fertiliser, Pesticide	Irrigated	228.3	196	16.52
Kendrapara	Marigold	Rabi, 2009-10	Component (Planting materials & fertilizers)	Planting materials & fertilizers	Fertilisers & Pesticides	Irrigated	106.74		
Kendrapara	Coconut	Rabi, 2009-10	Component (Fertilizers)	Fertilizers	Fertilisers & pesticides	Rainfed	787.5	540	23.04

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Kendrapara	Pointed gourd	Summer, 2010	Component (Planting materials)	Planting materials	Fertilisers & pesticides	Irrigated	-		
Kendrapara	Paddy	Kharif-2009-10	Pesticide, Pheromone trap, Bio-agent	Pesticide, Pheromone trap, Trihcogamma chilonis	Seed fertiliser	Rainfed	43.5	35.0	19.54
Kendrapara	Potato	Rabi 2009-10	Fungicide Antibiotic pesticide	Fungicide Antibiotic pesticide	Seed fertiliser	Irrigated	205.74	156.25	24.05
Kendrapara	Chilli	Rabi 2009-10	Pesticide	Pesticide	Seed fertiliser	Irrigated	35	25	28.57
Kendrapara	Brinjal	Rabi 2009-10	Pesticide, Pheromone trap, Bio-agent	Pesticide, Pheromone trap, Bio-agent	Seed fertiliser	Irrigated	342	274	19.8
Kendrapara	Paddy	Summer 2010	Fungicide	Fungicide	Seed fertiliser	Irrigated	50	40	20
Kendrapara	Rice	Kharif 2009-10	Component	Micro nutrient	Fertilizer	Rainfed	43	36.5	17.8
Kendrapara	Potato	Rabi 2009-10	Component	Bio-fertilizer	Fertilizer	Irrigated	198.1	180	18
Kendrapara	Cauliflower	Rabi 2009-10	Component	Micro nutrient	Fertilizer	Irrigated	212	185	14.6
Kendrapara	Tomato	Summer 2009-10	Component	Lime	Fertilizer	Irrigated	272	135	15.7

3.7 Technical Feedback on the demonstrated technologies

KVK Name	Crop	Demonstrated Technology	Village	Block Name	Feed Back
Kendrapara	Paddy	Introduction of new HYV	Sanamangarajpur	Kendrapara	All the farmer appreciated the performance of the demonstration and ready to accept. HYV Pratikshya is more disease pest resistance than other variety & higher yield potential
Kendrapara	Paddy	Integrated nutrient management	Sanamangarajpur	Kendrapara	Farmers appreciated the demonstration the quality of rice is good and test and ready to accept use of bio-fertilizers with chemical increases the yield. But the availability of bio-fertilizer is a problem
Kendrapara	Paddy	SRI	Ghigidia	Kendrapara	All the farmers appreciated the performance of SRI technology and accepted with interest as more number of tillers in SRI method and higher yield.
Kendrapara	Crop	Nutritional	Raipur	Derabis	Use of organic manure and bio-pesticides not only increases yield but

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		gardening			also good for health
Kendrapara	Enterprise (Poultry) q/100 bird	Demonstration on semi intensive poultry rearing	Kacheripada	Kendrapara	All the farmers are interested to keep colour bird because they are getting more profit than local bird
Kendrapara	Enterprise (Rake weeder)	Use of rake weeder for reduction drudgery of farm women	Kantia	Kendrapara	Farm women shows there interest for weeding with rake weeder because it is easy to handle
Kendrapara	Enterprise (Mushroom) Rs/100 bed	Cultivation of oyster mushroom	Alijanga	Kendrapara	Farm women shows there interest for oyster mushroom cultivation because it adds to there family income.
Kendrapara	Watermelon	Application of hormone Triacantanol	Nimapur	Pattamundai	Application of hormone Triacantanol increases the number of female flowers in the early nodes and thus increases the yield
Kendrapara	Marigold	Planting of cuttings in a phase wise manner & INM, New introduction	Kantia & Palapatna	Kendrapara & Pattamundai	Staggered planting method in marigold helped in year round production of flowers
Kendrapara	Coconut	INM	Sanamangarajpur	Kendrapara	All the farmers appreciated the performance of the demonstration and are ready to adopt the components as they see more number of nuts per plant. As the price of dried nut is less they go for green coconut for drinking purpose.
Kendrapara	Pointed gourd	Varietal introduction	Sanamangarajpur	Kendrapara	All the farmers appreciated the performance of pointed gourd var. <i>Swarna Alaukik</i> as 1-2 fruits are produced from each node and in some case it may go upto 3 fruits per node thus expecting more yield.
Kendrapara	Paddy	Integrated pest management for suppression for yellow stem borer in paddy	Sanamangarajpur	Kendrapara	All the farmers appreciated the performance of the demonstration. The use of Pheromone trap and <i>Trichogramma chilonis</i> reduced the pesticide application
Kendrapara	Potato	Integrated disease management for management of late blight of potato	Kantia	Kendrapara	Due to seed treatment in potato with new fungicide. The late blight of potato disease decreases, farmers should satisfaction on the technology
Kendrapara	Chilli	Integrated pest management for management of	Sankhapada	Mahakalapada	Farmers should satisfaction on the performance of pesticide Imidachloprid which worked well in reducing the leaf curling in chilli

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		thrips in chilli			
Kendrapara	Paddy	Integrated disease management for control of blast in summer paddy	Ghigidia	Kendrapara	Due to seed treatment with Tricyclazole and proper spraying with Tricyclazole, blast disease in paddy is managed effectively, farmers appreciated the technology.
Kendrapara	Brinjal	Integrated pest management for control of fruit and shoot borer in brinjal	Kantia	Kendrapara	All the farmers appreciated the technology. Pheromone trap reduces the pest population
Kendrapara	Rice	Micronutrient & integrated nutrient management	Jajanga, Nalapari & Kantia	Kendrapara	Farmers appreciated the performance of demonstration . They released that the due to application of micronutrient the wt. of seed increased with reduction in chaffy grain
Kendrapara	Potato	Bio-fertilizer & integrated nutrient management	Sanamangarajpur	Kendrapara	Farmers appreciated the performance of demonstration . The size of tuber increased with increase in keeping quality. The availability of bio-fertilizer in local market was not there
Kendrapara	Cauliflower	Micronutrient & integrated nutrient management	Alijanga & Sanamangarajpur	Kendrapara	The performance of micronutrient application was excellent. The yellowness of curd was reduced with increase in compactness of curd fetching good market price
Kendrapara	Tomato	Lime & integrated nutrient management	Etipur	Kendrapara	The yield of tomato was increased with reduction in blossom end rot disease. Farmers accepted the technology but wanted a suitable substitute. They accepted the technology to apply PMS @500 kg/ha which is very cheap

3.8 Farmers' reactions on specific technologies

KV K	Crop	Demonstrated Technology	Farmers' Name			Feed Back
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Name						
Kendrapara	Paddy	Demonstration on cultivation of HYV Pratikshya	Ajaya Sahoo Ananta Sahoo Pagal Sahoo		-	Got good yield. Taste of rice is appreciated Got good yield. Taste of rice is appreciated Disease pest resistance of Pratikshya appreciated
Kendrapara	Paddy	Integrated nutrient management	Balunkeswara Ajya	-	-	Taking interest to apply BGA & VAM Yield higher he got & observed the some quality little bit good
Kendrapara	Paddy	SRI	Arakhita Das, Prasant Das			SRI is a very successful technology for rice growing
Kendrapara	Greens and vegetables	Nutritional gardening	Bharati Das, Sabitri Das, yasoda das, Rama Das, Basanti Das, Sukumari Sahoo, Saraswati Sahoo, Kanakalata Baral, Renuka Das, Bharati das, Khulana Das, Jayanti das, Sovarani das, Sebati das, Janaki Das, Basanti Panda, Sabitri Sahoo, Sumitra Swain, Namita Das, Bhawani Jena, Latanjali Sahoo, Swarnalata Das, Nirmala Das, Kusumalata Swain, Padmabati dalai, Sandhyarain Nayak, Sulochana Nayak, Kuntala Jena, Satyabhama Das			It supplements family nutrition by ensuring fresh vegetables round the year
Kendrapara	Enterprise (Poultry) q/100 bird	Demonstration on semi intensive poultry rearing	Pramila mallick, Lata Mallick, Bharati Mallick, Binapani Mallick, Pratima Mallick, Liza Mallick, Saraswati Mallick, Sanjukta Mallick, Ranjita Mallick, Bharati Mallick, Geetanjali Mallick, Prativa Mallick, Mamina Mallick, Anjana Mallick, Relia Mallick, Chaila Mallick, Manjulata Mallick,			Farm women were interested to keep colour bird because it is more profitable.

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			Dollyprava Mallick, Kanchanbala Mallick, Satyabhama Mallick, Lili prava , Prativa Das, ochani Das, Minati Samal, Kanakalata Samal			
Kendr apara	Enterprise (Rake weeder)	Use of rake weeder for reduction drudgery of farm women	Bharati Das, Dukhi Das, Pramila Das, Mamata Das, Kamala Das, Santilata Das, Sabita Das,Manjulata das, Soli dei			Rake weeder increases the labour efficiency and decreases the drudgery as well as it is eco friendly to farm women
Kendr apara	Enterprise (Mushroom) Rs/100 bed	Cultivation of oyster mushroom	Kamala Mohanty, manjulata Nayak, Nirupama Nayak, Manjulata Biswal, Geetanjali Swain, Kanaklata Biswal,Sabitra swain, Khira swain, Bindini Biswal, Parvati Sethi			Mushroom cultivation is a profitable business for farm women specially landless farmer women
Kendr apara	Watermelon	Application of hormone	Jasawanta Mohanty, Nakula Charana Barik, Susanta Barik, Ashok Das, Sanjaya Mallik, Amulya Mallik, Akhaya Bhuiyan, Kulamani Sethi			Farmers are satisfied with the fruit initiation and fruit setting which ultimately results in yield increase.
Kendra para	Marigold	Planting of cuttings in a phase wise manner & INM	Antaryami Khuntia, Rasmita Mallick, Pravash Jena			Farmers were satisfied with the production of flowers but the keeping quality of the flowers were low.
Kendra para	Coconut	INM	Damodar Sahoo, Balukeswar Sahoo, Manchashree sahuo, Anusaya Sahoo			Farmers are satisfied with the number of fruits from the existing old coconut plants which were producing very less nuts earlier.
Kendra para	Pointed gourd	Varietal introduction	Ajay Kumar Sahoo, Giridhari sahoo, Ratnakar Sahoo, Daitari Sahoo			Farmers are satisfied with number of fruits per node, light green colour fruits that are solid where as the traditional varieties are hollow in nature.
Kendr apara	Rice	Spraying of Borax & zinc EDTA@0.25% & 0.15% respectively at P.I stage	Prafulla Ch. Baral, Jaganath Baral, Binod Ch. Baral, Pitambar Rout, Jagannath Behera			Seed colour was bright. Yield increased with reduction in chaffy grain/panicle, Yield increased, wt. of grain increased, number of filled grains/panicle increased

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Kendr apara	Potato	Application of FYM incubated bio-fertilizer @250ml/ha along with RDF	Mayadhar Sahoo, Gadadhar Sahoo, Kailash Ch. Sahoo, Shyama Sundar Sahoo, Hrushikesh Patra, Maheswar Sahoo, Ananta Kishore Sahoo, Pramod Nayak, Prafulla Sahoo, Jagadish Sahoo			Excellent growth of plants with complete green ness. Tuber size was big Keeping quality increased Vigorus plant growth Non availability of bio-fertilizer in local market
Kendr apara	Cauliflower	Twice spraying of Borax , Zinc sulphate & Sodium molybdate @0.25%, 0.1% & 0.02% respectively after 25 days in 10 days interval	Dhirendra Nath Nayak, Damodar Sahoo			Yellowing of curd was reduced Compactness of curd increased Customer preference in the market increased, Yield increased Non availability of micronutrient in local market
Kendr apara	Tomato	Application of lime @0.25LR/ha	Sachikanta Pradhan, Ramakanta Pradhan			Blossom end rot was reduced Yield increased Lime was costly, Yield increased Lime should be substituted with other material which is cheap with similar character
Kend rapar a	Chilli	Management of thrips in chilli	Ashok Kumar Swain, Ajaya Kumar Nayak, Ananata Kishore Sahoo, Trilochan Sahoo, Babaji Ch Sahoo			Application of Imidacloprid 17.8 SL reduces the leaf curling in chilli Pest pesticide as it works in low doses
Kend rapar a	Brinjal	Management for control of fruit and shoot borer in brinjal	Balaram Das Surendra Das Gadadhar Das Ratnakar Das Saroj Ch. Das			Pheromone trap works well , reduces the pest population but the lure is not available in the market Trichogramma Chilonis is effective, but it is very difficult to bring from Bhubaneswar and to keep for long duration .
Kend rapar a	Paddy	Management for control of blast in summer paddy	Gagan Behera Prasanta Da Arakhita Das Ramesh Ch. Sahoo, Ratnakar Pradhan			Seed treatment with Tricyclazole blast disease not appeared this year more than appeared previous year
Kend	Paddy	Integrated pest management for	Pagal Ch. Sahoo, Ajaya			The chemical pesticide Cartap

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rapar a		control of Yellow stem borer in paddy	Sahoo, Balukenswar Sahoo, Giridhari Sahoo,			hydrochloride reduces the pest incidence Pheromone trap also give good result but the availability of lure in the local market is difficult Integrated application of Pheromone trap Trichogramma and chemical pesticide reduces the stem borer attack
Kendrapara	Potato	Management of late blight of potato	Ratnakar Das, Nrusingha Ch. Das, Kailash Ch. Samal, Nanda Kishore Pradhan, Ajaya Ku. Sahoo			Seed treatment with vita vax power give good result than the carbendazim Spraying with fungicide redomil reduces the disease incidence and yield increases

3.9 Extension and Training activities under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Kendrapara	Watermelon	Field days	1	50	-
Kendrapara		Farmers Training	1	25	-
Kendrapara		Media coverage	1	-	-
Kendrapara		Training for extension functionaries	-	-	-
Kendrapara	Marigold	Field days	1	50	-
Kendrapara		Farmers Training	3	75	-
Kendrapara		Media coverage	4	-	-
Kendrapara		Training for extension functionaries	1	15	-
Kendrapara	Coconut	Field days	1	50	-
Kendrapara		Farmers Training	2	50	-
Kendrapara		Media coverage	2	-	-
Kendrapara		Training for extension functionaries	-	-	-
Kendrapara	Pointed gourd	Field days	1	50	-
Kendrapara		Farmers Training	1	25	-
Kendrapara		Media coverage	1	-	-

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Kendrapara		Training for extension functionaries	-	-	-
Kendrapara	Paddy	Field days	3	150	-
Kendrapara		Farmers Training	5	125	-
Kendrapara		Media coverage	4	-	-
Kendrapara		Training for extension functionaries	1	10	-
Kendrapara	Nutritional garden	Field days	1	50	-
Kendrapara		Farmers Training	3	75	-
Kendrapara		Media coverage	-	-	-
Kendrapara		Training for extension functionaries	-	-	-
Kendrapara	Poultry	Field days	2	100	-
Kendrapara		Farmers Training	2	50	-
Kendrapara		Media coverage	-	-	-
Kendrapara		Training for extension functionaries	-	-	-
Kendrapara	Mushroom	Field days	1	50	-
Kendrapara		Farmers Training	4	100	-
Kendrapara		Media coverage	-	-	-
Kendrapara		Training for extension functionaries	-	-	-
Kendrapara	Tomato/ Rake weeder	Field days	1	50	-
Kendrapara		Farmers Training	1	25	-
Kendrapara		Media coverage	-	-	-
Kendrapara		Training for extension functionaries	-	-	-
Kendrapara	Tomato	Field days	1	50	-
Kendrapara		Farmers Training	1	25	-
Kendrapara		Media coverage	-	-	-
Kendrapara		Training for extension functionaries	-	-	-
Kendrapara	Cauliflower	Field days	1	50	-
Kendrapara		Farmers Training	1	25	-
Kendrapara		Media coverage	-	-	-
Kendrapara		Training for extension functionaries	-	-	-
Kendrapara	Potato	Field days	1	50	-
Kendrapara		Farmers Training	1	25	-
Kendrapara		Media coverage	1	-	-
Kendrapara		Training for extension functionaries	-	-	-
Kendrapara	Brinjal	Field days	-	-	-

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Kendrapara		Farmers Training	1	-	-
Kendrapara		Media coverage	1	-	-
Kendrapara		Training for extension functionaries	-	-	-
Kendrapara	Chilli	Field days	-	-	-
Kendrapara		Farmers Training	1	-	-
Kendrapara		Media coverage	1	-	-
Kendrapara		Training for extension functionaries	-	-	-

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IMPORTANT INSTRUCTION

- 1. Do not modify/add/delete the column of the tables. If you want to give additional information, please attached separate sheet as annexure.**
- 2. Do not modify/delete the text written on grey colored background columns in tables otherwise information of your KVK will not be accepted by the database of our Directorate.**
- 3. Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.**
- 4. Column No. 1 is reserved for name of the KVK (District name). Write your KVK name in every row (do not leave blank the column No. 1 for any of the row).**
- 5. Please do not write unit or text in "Green" Coloured cell. Write only numerical figures here.**

Please do not change the format of tables.

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Please do not write unit or text in "Green Coloured cell". Write only numerical figures.

FORMAT 2 – STAFF POSITION, TRAININGS, EXTENSION ACTIVITIES

REPORTING PERIOD – April 2009 to March, 2010

IMPORTANT INSTRUCTION

- 1. Do not modify/add/delete the column of the tables. If you want to give additional information, please attached with separate sheet as annexure.**
- 2. Do not modify/delete the text written on grey colored background columns in tables otherwise information of your KVK will not be accepted by the database of our Directorate.**
- 3. Training on additional Topics can be added or replaced under OTH Thematic Code in Table T1 (written in blue colored text).**
- 4. Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.**
- 5. Column No. 1 is reserved for name of the KVK (District name). Write your KVK name in every row (do not leave blank the column No. 1 for any of the row).**
- 6. Please do not write unit or text in "Green Coloured cell". Write only numerical figures.**

Please do not change the format of tables. Please write name of KVK in each row, Please do not use "Enter Key" in table. Use only "Arrow Key" or "Tab Key" or Mouse for moving in Table. Please do not write unit or text in "Green Coloured cell". Write only numerical figures.

Abbreviation Used

FW	(A) Farmers & Farm Women
RY	(B) Rural Youths
IS	(C) Extension Personnel
ONC	On Campus Training Programme
OFC	Off Campus Training Programme
M	Male
F	Female
T	Total
Thematic Areas for Training	
CRP	Crop Production
HOV	Horticulture – Vegetable Crops
HOF	Horticulture-Fruits
HOO	Horticulture- Ornamental Plants
HOP	Horticulture- Plantation crops
HOT	Horticulture- Tuber crops
HOS	Horticulture- Spices
HOM	Horticulture- Medicinal and Aromatic Plants
SFM	Soil Health and Fertility Management
LPM	Livestock Production and Management
WOE	Home Science/Women empowerment
AEG	Agril. Engineering
PLP	Plant Protection
FIS	Fisheries
PIS	Production of Inputs at site
CBD	Capacity Building and Group Dynamics
AGF	Agro-forestry
OTH	Others
RYH	Rural Youth
EXP	Extension Personnel

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1. Staff Position (as on 31st March 2010)

Name of KVK.	Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
Kendrapara	Programme Coordinator	Dr. (Mrs) T. Pattnaik	Home science	PhD	Home science	Rs. 37400- Rs.67000/-	Rs. 43310+ AGP Rs. 10000/-	11.4.97 (FN)	Permanent	(Others)
Kendrapara	Subject Matter Specialist1	Dr. L.K. Das	Agronomy	PhD	Agronomy	Rs. 8000- Rs.13500	Rs. 9100/-	09.03.09 (FN)	Temporary	(Others)
Kendrapara	Subject Matter Specialist2	Dr. P.K. Samant	Soil science	PhD	Soil science	Rs. 8000- Rs.13500	Rs. 9100/-	23.06.06 (FN)	Temporary	(Others)
Kendrapara	Subject Matter Specialist3	Mrs. D. Sahoo	Horticulture	M.Sc	Horticulture	Rs. 8000- Rs.13500	Rs. 8825/-	26.06.08 (FN)	Temporary	(Others)
Kendrapara	Subject Matter Specialist4	Mr. M.K. Rout	Plant protection	M.Sc	Plant pathology	Rs. 8000- Rs.13500	Rs. 8825/-	22.10.08 (FN)	Temporary	(Others)
Kendrapara	Subject Matter Specialist5	-	-	-	-	-	-	-	-	-
Kendrapara	Subject Matter Specialist6	-	-	-	-	-	-	-	-	-
Kendrapara	Programme Assistant	Mrs. A. Sarana	Home science	B.Sc	Home science	Rs. 9300/- Rs. 34800/-	Rs. 17510+ AGP Rs. 4200/-	3.07.96 (FN)	Permanent	(Others)
Kendrapara	Farm Manager	Mrs. S. Srichandan	Horticulture	M.Sc	Horticulture	Rs. 5500/- Rs. 9000/-	Rs. 6025/-	18.01.06 (FN)	Temporary	(Others)
Kendrapara	Computer Programmer	Mrs. S. Panda	Comp science	B.Sc	Science	Rs. 5500/- Rs. 9000/-	Rs. 5850/-	11.06.07 (FN)	Temporary	(Others)
Kendrapara	Accountant / superintendent	Sri S.K. Rath	Section Officer	BA	-	Rs. 9300/- Rs. 34800/-	Rs.14710+ AGP 4200/-	01.09.09 (FN)	Permanent	(Others)
Kendrapara	Stenographer	Sri K.C. Das	Jr Steno cum Comp operator	B.Sc	-	Rs. 4000/- Rs. 6000/-	Rs. 4300/-	20.03.08 (FN)	Temporary	(Others)
Kendrapara	Driver	Sri R.K. Behera	Driver	9 th	-	Rs. 3050/- Rs. 4590/-	Rs. 3050/-	23.07.08 (FN)	Temporary	SC

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Name of KVK.	Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
Kendrapara	Driver	Sri. N. Pradhan	Driver	9 th	-	Rs. 3050/- Rs. 4590/-	Rs. 3050/-	7.01.10 (FN)	Temporary	(Others)
Kendrapara	Supporting staff	Sri B.C. Das	Peon cum watchman	5 th	-	Rs. 2550/- Rs. 3200/-	Rs. 2550/-	29.7.08 (FN)	Temporary	(Others)
Kendrapara	Supporting staff	Sri K.C. Bhujabala	Peon cum watchman	10 th	-	Rs. 2550/- Rs. 3200/-	Rs. 2550/-	29.07.08 (FN)	Temporary	(Others)

2. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK.	Category of the training	Methods of need assessment	Date and place	No. Of participants involved
Kendrapara	Farmers & Farmwomen	Looking to the importance of soil testing ,farmers were interested to do soil analysis for observing health condition of soil	22.05.2009, Kendrapara	25
Kendrapara	Farmers and farm women	Diagnostic field visit and seeing the performance of the technology of INM	18.06.09, Kantia	25
Kendrapara	Farmers and farm women	Group discussion and field visit basing on performance of water management in jute	22.06.09, Sanamangarajpur	25
Kendrapara	Farmers and farm women	Group discussion and seeing the performance of the technology of water harvesting structures	29.7.09, Kasoti	25
Kendrapara	Farmers and farm women	PRA tools and requirement and sustainability of weed management in jute	31.7.09, Taranado	25
Kendrapara	Farmers and farm women	Group discussion and seeing the performance of the technology of biofertilisers use in paddy	25.08.09, KVK, Campus	25

Kendrapara	Farmers and farm women	Diagnostic field visit and seeing the performance of the technology of farming system model	27.8.09, KVK, Campus	25
Kendrapara	Farmers and farm women	Group discussion, seeing the inter cropping performance	28.08.09, Kantia	25
Kendrapara	Farmers & farm women	Group discussion- Due to low yield of paddy straw mushroom in summer season, farmers demand for training on care and management of paddy straw mushroom	28.5.09, Kharda, Mahakalapada	25
Kendrapara	Farmers & farm women	Group discussion, Farmers meeting, field visit. Due to indiscriminate use of pesticide there is need of training on safe and judicious use of pesticide.	27.6.09, Kantia, Kendrapara	25
Kendrapara	Farmers & farm women	Diagnostic field visit, PRA survey due to seed borne diseases of paddy there is low yield of paddy so farmers demand training on seed borne disease of paddy and their management.	31.7.09, Sanamangarajpur	25
Kendrapara	Farmers & farm women	Group discussion, Farmers meeting, field visit. Due to heavy infestation of pest in paddy, there is need of training on IPM of paddy.	28.8.09, Balia	25
Kendrapara	Farmers and Farmwomen	Develop awareness of farmers and motivate them on management practices for saline soil. Group discussion- Seeing the performance of PMS application many farmers came forward to use the same in improving pulse production in that area	18.06.2009, Kendrapara	25

Kendrapara	Farmers and farmwomen	Imbalanced fertiliaer application leads to soil health degradation, yield reduction	29.07.09 Barua	25
Kendrapara	Farmers and farmwomen	PRA survey, Group discussion-Seeing the performance of micronutrient (Zn & B) i.e more fertile grain, more weight of grain farmers are very much interested to use micronutrients during PI stage	27.08.2009 Sanamangarajpur	25
Kendrapara	Farmers and farmwomen	Group discussion-Looking to the imbalanced & indiscriminate fertilizer application causing soilhealth degradation & quality degradation of potato, farmers were interested to use biofertilizer	29.09.2009 & 30.09.2009 Balipatana, Chhatar, Jharipatana (Pattamundai)	50
Kendrapara	Farmers & farmwomen	Diagnostic field visit- seeing the poor performance of banana cultivation due to poor planting material selection and no treatment of soil and planting material the training need is assessed.	08.06.09, Barua	25
Kendrapara	Farmers & farmwomen	Exploratory survey- Incapability of producing good quality seedlings for cultivation of Kharif tomato in time	23.6.09, Tarando	25
Kendrapara	Farmers & farmwomen	Using the PRA tools it is found that there is almost no application of fertilizers to coconut plants	30.6.09, Sanamangarajpur	25

Kendrapara	Farmers & farmwomen	Diagnostic field visit- Poor and irregular and plant stand on the pond embankment	28.8.09, Sana Kassoti	25
Kendrapara	Farmers & farmwomen	Using the PRA tools it is found that there is demand for propagating materials of ornamental plants but it has a short supply.	29.8.09, KVK, Kendrapara	25
Kendrapara	Farmers & farmwomen	Group discussion- Seeing the performance of the capsicum in the area some farmers came forward for scientific package of practices for cultivation of capsicum.	29.9.09, Chatara	25
Kendrapara	Farmers & farmwomen	Using the PRA tools it is found that people are totally dependant on supply of marigold planting materials from other states. So there is a scope for marigold cultivation.	Itakardia, 1.10.09	25
Kendrapara	Farm women	Group discussion- farm women were interested to preserve fruits in peak period for future use.	26.5.09, Kacheripada	25
Kendrapara	Farm women	Group discussion- farm women were interested to preserve fruits in peak period for future use.	18.6.09, Barua	25
Kendrapara	Farm women	PRA survey and group discussion- Farm women were interested to grow vegetables and greens in proper way so as to increase production	31.7.09, Raipur	25
Kendrapara	Farm women	Group discussion- Farm were interested to grow paddy straw mushroom for house hold consumption as well as to increase their income	28.8.09, Panchupandab	25

Kendrapara	Farm women	Group discussion- Farm were interested to grow paddy straw mushroom for house hold consumption as well as to increase their income	24.9.09, Nilikana	25
Kendrapara	Farm women	Group discussion- Farm were interested to raise seedlings during winter for their nutritional garden	30.9.09, Nilikana	25
Kendrapara	Farmers & farmwomen	Diagnostic field visit- Imbalance and excess application of nitrogenous fertilizers in off season/ early cole crops.	Palapatna, 16.10.09	25
Kendrapara	Vocational training for rural youth	Group discussion seeing the demand for horticultural (Fruit, vegetable, ornamental plants, spices & medicinal plants) planting materials some rural youths came forward for commercial production of planting materials	9.10.09, 12.10.09 to 15.10.09 KVK, Campus	10
Kendrapara	Farmers & farmwomen	Diagnostic field visit- Imbalance and low application of potassic fertilizers in chilli	27.10.09, Srirampur	25
Kendrapara	Farmers & farmwomen	Exploratory survey- Unscientific way of nursery management in onion	30.10.09, Sanamangarajpur	25
Kendrapara	Farmers & farmwomen	Group discussion- Seeing the heavy incidence of weeds in the onion crop. The farmers came forward for the weed management in onion	3.11.09, Sanamangarajpur	25
Kendrapara	Farmers & farmwomen	Group discussion- Seeing the usefulness of the medicinal and aromatic plants present in the locality , some farm women came forward to know about the plant parts use and its purpose	17.11.09, Jaripada	25

Kendrapara	Rural youth	Group discussion- Seeing the demand of seeds in vegetable cultivation and its high market price, some rural youth came forward for commercial seed production.	18.11.09 to 20.11.09 KVK, Campus	15
Kendrapara	Farmers & farm women	Group discussion- Seeing the demand of marigold flowers round the year , some farmers & farm women came forward for commercial cultivation & marketing of marigold covering the entire season phase wise	21.11.09 at Arikia, 26.12.09 at Jaitalanga	50
Kendrapara	Farmers & farm women	Diagnostic field visit- Proper layout of pointed gourd by staking method gives more yield than the bed method which gives low yield	16.1.10 Chandola	25
Kendrapara	Rural youth	Exploratory survey- Some rural youths who are going for seed production don't know the right procedure of seed extraction & post harvest management as a result the germination percentage is low.	2.2.10 to 4.2.10 KVK, Campus	15
Kendrapara	Farmers & farm women	Diagnostic field visit- Farmers are not harvesting in proper stage and not taking proper post harvest management measures in potato	15.2.10 Alijanga	25
Kendrapara	Extension functionaries	Group discussion- Seeing the demand of the off-season vegetables and other horticultural produces , the extension functionaries came forward for training on commercial cultivation in protected structures	6.3.10 KVK, Campus	15

Kendrapara	Farmers & farm women	Diagnostic field visit- There is no specific method of irrigation in banana and citrus orchard & farmers are irrigating by flooding method or the plants are raised as such with very poor water management.	11.3.10 Sidha Matha	25
Kendrapara	Rural youth	Group discussion- Due to high profit of mushroom cultivation, some rural youth came forward for commercial production	10.12.09 to 12.12.09 KVK, Campus	20
Kendrapara	Rural youth	Group discussion- For profit & pleasure in honey bee rearing, some rural youth came forward for honey bee rearing	15.2.10 to 19.2.10 KVK, Campus	15
Kendrapara	Rural youth	Group discussion- For high profit and market demand of paddy straw mushroom , some rural youth came forward for production of mushroom	25.3.10 to 27.3.10 KVK, Campus	20
Kendrapara	Extension functionaries	Meeting- Due to pesticidal residue in crops and pest resurgence of old pesticide in sunflower. There is need for training on new generation pesticide and fungicide	30.3.10 KVK, Campus	15
Kendrapara	Farmers & farm women	Diagnostic field visit, group discussion, farmers demand for training on pest and disease management in banana	9.10.09 Sanamangarajpur	25
Kendrapara	Farmers & farm women	Diagnostic field visit, group discussion, Need for training on pests of Brinjal and their management	13.10.09 Sanamangarajpur	25
Kendrapara	Farmers & farm women	Diagnostic field visit, group discussion, need for training on disease management of cole	19.10.09 Alabanka	25

Kendrapara	Farmers & farm women	Diagnostic field visit, group discussion,, need for training on disease and pest management in cococnut	22.10.09,Nilikana	25
Kendrapara	Farmers & farm women	Diagnostic field visit, group discussion, need for training on disease management of cole crops	26.10.09,Jaripada	25
Kendrapara	Farmers & farm women	Diagnostic field visit, group discussion, need for training on IPM in sunflower	27.10.09, Pasta	25
Kendrapara	Farmers & farm women	Diagnostic field visit, group discussion, need for training on IPM in sunflower	19.12.09, Pasta	25
Kendrapara	Farmers & farm women	Diagnostic field visit, group discussion, need for training on IPM in mustard	26.12.09, Arakhia	25
Kendrapara	Farmers & farm women	Diagnostic field visit, group discussion, need for training on disease management of potato	11.2.10,Alijanga	25
Kendrapara	Rural youth	Group discussion- seeing the performance of rice-fish cultivation in the area people came forward for training.	8.10.09, Ghigidia	25
Kendrapara	Extension functionaries	Group discussion, massive campaigning in organic farming create interest among people	09.10.09, KVK, Campus	10
Kendrapara	Vocational training	Diagnostic field visit & group discussion- Seeing the performance of the technology people came forward for commercial production of BGA, VAM & Azolla	11.10.09, KVK, Campus	10
Kendrapara	Farmers and farm women	Group discussion and PRA tools for use of biofertilisers in black gram	19.10.09, KVK, Campus	25
Kendrapara	Farmers and farm women	Group discussion and basing on performance of technology of use of rhizobium culture for seed treatment in groundnut	20.10.09, Bajipada	25

Kendrapara	Rural youth	PRA tools, requirement & sustainability in integrated farming system approach	26.10.09 to 28.10.09 KVK, Campus	20
Kendrapara	Farmers and women	farm Diagnostic field visit & oil seeds crops demand in area & suitability of production technology of sunflower.	16.12.09, Barimula	25
Kendrapara	Farmers and women	farm Group discussion- seeing the water management problem of area	17.12.09, Kusiapal	25
Kendrapara	Farmers and women	farm Diagnostic field visit- Identified fertilizer management problem	14.1.10, Juidaspur	25
Kendrapara	Rural youth	Group discussion- seeing the problem in certification of paddy seeds	3.2.10 to 5.2.10 KVK, Campus	20
Kendrapara	Farmers & women	& farm Diagnostic field visit, farmers interested on hybrid rice production technique	9.2.10, Barua	25
Kendrapara	Farmers & women	& farm Group discussion, pulse grows by lot of farmer & their interest & need. Extension functionaries need for technical strengthening	10.2.10, Kendrapara	10
Kendrapara	Farmers & women	& farm PRA tools, need of farmers and interest for oilseed crop production	16.3.10, Itipur	25
Kendrapara	Farmers & women	& farm Group discussion- Farmers interested on SRI method of rice cultivation	17.3.10, Ghigidia	25
Kendrapara	Farmers & women	& farm PRA tools, needs of people and interest on organic agriculture	26.3.10, Kendrapara	25
Kendrapara	Farmers and farmwomen	PRA Survey- To encourage and motivate the farmers for vermin-composting as suitable alternative for low or no use of FYM in vegetable.	9.10.09 to 12.10.09, Kendrapara	50

Kendrapara	Farmers & farm women	Group discussion- To educate the farmers regarding management of saline soil & increasing production potentiality of that area	15.10.09, 6.10.09, Baghilo, Babanpur (Derabis)	50
Kendrapara	Farmers & farm women	PRA Survey- Poor yield of pulse due to non use of bacterial culture. The farmers were interested to know about the method of application.	5.11.09, 6.11.09 Sanamangarajpur	50
Kendrapara	Farmers & farm women	Group discussion- To develop bio-fertilizer awareness and fertilizer management in nursery plant	Kendrapara 10.12.09 & 11.12.09	50
Kendrapara	Farmers & farmwomen	Group discussion & PRA- As more than 90% soil is acidic in Kendrapara district, hence suitable application methods of liming material in pulses & vegetables are essential	Jayatalanga, 24.12.09 (Gardapur) Narendrapur, 6.1.10 (Marshaghai)	50
Kendrapara	Rural youth	Group discussion- Non availability of FYM & use of FYM for fuel purpose resulted on soil health degradation & low yield Use of enriched compost in agriculture in order to get quality product	Kendrapara 2.2.10 to 6.2.10	10
Kendrapara	Farmers & farmwomen	Group discussion- To develop awareness among farmers regarding different bio-fertilizers & its use i.e, seed treatment, FYM incubation etc. Mostly in pulses and groundnut for getting more yield and better soil health	2.3.10 & 3.3.10, Tikhirai,	50

Kendrapara	Rural youth	Group discussion- To motivate the farmers towards use of bio-fertilizer mostly Azolla, BGA used in rice for maintenance of soil health & increase in yield	9.3.10 to 11.3.10 Kendrapara	20
Kendrapara	Extension functionaries training	Group discussion- Looking to the problematic soil situation of the district the in-service candidates are motivated and taught regarding the amount of liming material to be applied for correction of acidity for better pulse & vegetable production.	31.3.2010,, Kendrapara	15
Kendrapara	Farm women	PRA survey- Farm women were interested to grow vegetables and greens in a planned way for getting fresh vegetables through out the year	9.10.09 Raipur	25
Kendrapara	Farm women	Interview method- Farm women were interested to know about preparation of vermicompost and its use in nutritional garden to increase production	13.10.09 Kacheripada	25
Kendrapara	Farm women	Group discussion- Farm women were interested to grow oyster mushroom for household consumption as well as to increase their household income	6.11.09 Hatia	25
Kendrapara	Farm women	Group discussion- Farm women were interested to grow oyster mushroom for household consumption as well as to increase their household income	8.12.09 Alijanga	25

Kendrapara	Farm women	Interview method- Farm women were interested to know about use of improved sickle so as to reduce their drudgery and increase efficiency	16.12.09 Kendrapara	25
Kendrapara	Farm women	Group discussion- Farm women were interested to know about rearing of colour bird for dual purpose both egg and meat	31.12.09, Kacheripada	25
Kendrapara	Farm women	Group discussion- Seeing the distress sale of oyster mushroom in peak period, members of Self Help Group interested to prepare mushroom and for selling purpose	27.1.2010, Kendrapara	25
Kendrapara	Farm women	Group discussion- Farm women were interested to preserve vegetables in peak period for further use	20.2.10, Kacheripada	25
Kendrapara	Farm women	Group discussion- Farm women were interested to prepare value added product by using mushroom	25.2.10, Raipur	25
Kendrapara	Farm women	Interview method- Farm women were interested to preserve vegetables in peak period	26.2.10, Kacheripada	25
Kendrapara	Rural Youth	Group discussion- Rural youth were interested to keep oyster mushroom for further use	19.1.10 to 31.1.10 Kendrapara	25
Kendrapara	Rural Youth	Group discussion- Rural youth were interested to know about preparation of different spices for use commercial purpose	9.3.10 to 12.3.10 & 15.3.10 Kendrapara	7
Kendrapara	Rural Youth	Group discussion- Rural youth were interested to learn rural craft by using golden grass	16.3.10 to 20.3.10 & 22.3.10 to 23.3.10 , Kendrapara	10

Kendrapara	Extension functionaries	Interview method- Anganwadi workers were interested to grow vegetables and greens in their backyard.	16.10.09, Kendrapara	10
Kendrapara	Extension functionaries	Interview method- Anganwadi were interested to know preparation of low cost diet for infants	19.2.10, Kendrapara	10

For example: Need assessment of the training for farmers and farmwomen, the method may be diagnostic field visit, PRA tools, group discussion, exploratory survey

3. TRAINING PROGRAMMES

Table 3.1. Details of Training programmes conducted by the KVKs

Name of KVK	Category	Training Type	Theme code	Sub-theme	No. of Courses (Targeted)	No. of Courses (Achieved)	Duration (Days)	Participants						
								SC		ST		Others		
								M	F	M	F	M	F	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Kendrapara	FW	ONC	CRP	Weed Management										
Kendrapara	FW	ONC	CRP	Resource Conservation Technologies										
Kendrapara	FW	ONC	CRP	Cropping Systems										
Kendrapara	FW	ONC	CRP	Crop Diversification										
Kendrapara	FW	ONC	CRP	Integrated Farming	1	1	1	2	-	-	-	23	-	
Kendrapara	FW	ONC	CRP	Water management										
Kendrapara	FW	ONC	CRP	Seed production										
Kendrapara	FW	ONC	CRP	Nursery management										
Kendrapara	FW	ONC	CRP	Integrated Crop Management										
Kendrapara	FW	ONC	CRP	Fodder production										
Kendrapara	FW	ONC	CRP	Production of organic inputs	3	3	3	2	5	-	-	52	16	
Kendrapara	FW	ONC	HOV	Production of low volume and high value crops										
Kendrapara	FW	ONC	HOV	Off-season vegetables										
Kendrapara	FW	ONC	HOV	Nursery raising										

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Name of KVK	Category	Training Type	Theme code	Sub-theme	No. of Courses (Targeted)	No. of Courses (Achieved)	Duration (Days)	Participants						
								SC		ST		Others		
								M	F	M	F	M	F	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Kendrapara	FW	ONC	HOV	Exotic vegetables like Broccoli										
Kendrapara	FW	ONC	HOV	Export potential vegetables										
Kendrapara	FW	ONC	HOV	Grading and standardization										
Kendrapara	FW	ONC	HOV	Protective cultivation (Green Houses, Shade Net etc.)										
Kendrapara	FW	ONC	HOF	Training and Pruning										
Kendrapara	FW	ONC	HOF	Layout and Management of Orchards										
Kendrapara	FW	ONC	HOF	Cultivation of Fruit										
Kendrapara	FW	ONC	HOF	Management of young plants/orchards										
Kendrapara	FW	ONC	HOF	Rejuvenation of old orchards										
Kendrapara	FW	ONC	HOF	Export potential fruits										
Kendrapara	FW	ONC	HOF	Micro irrigation systems of orchards										
Kendrapara	FW	ONC	HOF	Plant propagation techniques										
Kendrapara	FW	ONC	HOO	Nursery Management										
Kendrapara	FW	ONC	HOO	Management of potted plants										
Kendrapara	FW	ONC	HOO	Export potential of ornamental plants										
Kendrapara	FW	ONC	HOO	Propagation techniques of Ornamental Plants	1	1	1	-	10	-	-	-	-	15
Kendrapara	FW	ONC	HOP	Production and Management technology										
Kendrapara	FW	ONC	HOP	Processing and value addition										
Kendrapara	FW	ONC	HOT	Production and Management technology										
Kendrapara	FW	ONC	HOT	Processing and value addition										
Kendrapara	FW	ONC	HOS	Production and Management technology										
Kendrapara	FW	ONC	HOS	Processing and value addition										
Kendrapara	FW	ONC	HOM	Nursery management										
Kendrapara	FW	ONC	HOM	Production and management technology										
Kendrapara	FW	ONC	HOM	Post harvest technology and value addition										
Kendrapara	FW	ONC	SFM	Soil fertility management	2	2	2	-	-	-	-	14	36	
Kendrapara	FW	ONC	SFM	Soil and Water Conservation										
Kendrapara	FW	ONC	SFM	Integrated Nutrient Management	2	2	2	8	-	-	-	42	-	

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Name of KVK	Category	Training Type	Theme code	Sub-theme	No. of Courses (Targeted)	No. of Courses (Achieved)	Duration (Days)	Participants						
								SC		ST		Others		
								M	F	M	F	M	F	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Kendrapara	FW	ONC	SFM	Production and use of organic inputs										
Kendrapara	FW	ONC	SFM	Management of Problematic soils	1	1	1	-	-	-	-	25	-	
Kendrapara	FW	ONC	SFM	Micro nutrient deficiency in crops										
Kendrapara	FW	ONC	SFM	Nutrient Use Efficiency										
Kendrapara	FW	ONC	SFM	Soil and Water Testing	1	1	1	19	-	-	-	6	-	
Kendrapara	FW	ONC	LPM	Dairy Management										
Kendrapara	FW	ONC	LPM	Poultry Management										
Kendrapara	FW	ONC	LPM	Piggery Management										
Kendrapara	FW	ONC	LPM	Rabbit Management										
Kendrapara	FW	ONC	LPM	Disease Management										
Kendrapara	FW	ONC	LPM	Feed management										
Kendrapara	FW	ONC	LPM	Production of quality animal products										
Kendrapara	FW	ONC	WOE	Household food security by kitchen gardening and nutrition gardening										
Kendrapara	FW	ONC	WOE	Design and development of low/minimum cost diet										
Kendrapara	FW	ONC	WOE	Designing and development for high nutrient efficiency diet										
Kendrapara	FW	ONC	WOE	Minimization of nutrient loss in processing										
Kendrapara	FW	ONC	WOE	Gender mainstreaming through SHGs										
Kendrapara	FW	ONC	WOE	Storage loss minimization techniques										
Kendrapara	FW	ONC	WOE	Value addition	1	1	1	-	3	-	-	-	22	
Kendrapara	FW	ONC	WOE	Income generation activities for empowerment of rural Women										
Kendrapara	FW	ONC	WOE	Location specific drudgery reduction technologies	1	1	1	-	25	-	-	-	-	
Kendrapara	FW	ONC	WOE	Rural Crafts										
Kendrapara	FW	ONC	WOE	Women and child care										
Kendrapara	FW	ONC	AEG	Installation and maintenance of micro irrigation systems										
Kendrapara	FW	ONC	AEG	Use of Plastics in farming practices										

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Name of KVK	Category	Training Type	Theme code	Sub-theme	No. of Courses (Targeted)	No. of Courses (Achieved)	Duration (Days)	Participants						
								SC		ST		Others		
								M	F	M	F	M	F	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Kendrapara	FW	ONC	AEG	Production of small tools and implements										
Kendrapara	FW	ONC	AEG	Repair and maintenance of farm machinery and implements										
Kendrapara	FW	ONC	AEG	Small scale processing and value addition										
Kendrapara	FW	ONC	AEG	Post Harvest Technology										
Kendrapara	FW	ONC	PLP	Integrated Pest Management										
Kendrapara	FW	ONC	PLP	Integrated Disease Management										
Kendrapara	FW	ONC	PLP	Bio-control of pests and diseases										
Kendrapara	FW	ONC	PLP	Production of bio control agents and bio pesticides										
Kendrapara	FW	ONC	FIS	Integrated fish farming										
Kendrapara	FW	ONC	FIS	Carp breeding and hatchery management										
Kendrapara	FW	ONC	FIS	Carp fry and fingerling rearing										
Kendrapara	FW	ONC	FIS	Composite fish culture										
Kendrapara	FW	ONC	FIS	Hatchery management and culture of freshwater prawn										
Kendrapara	FW	ONC	FIS	Breeding and culture of ornamental fishes										
Kendrapara	FW	ONC	FIS	Portable plastic carp hatchery										
Kendrapara	FW	ONC	FIS	Pen culture of fish and prawn										
Kendrapara	FW	ONC	FIS	Shrimp farming										
Kendrapara	FW	ONC	FIS	Edible oyster farming										
Kendrapara	FW	ONC	FIS	Pearl culture										
Kendrapara	FW	ONC	FIS	Fish processing and value addition										
Kendrapara	FW	ONC	PIS	Seed Production										
Kendrapara	FW	ONC	PIS	Planting material production										
Kendrapara	FW	ONC	PIS	Bio-agents production										
Kendrapara	FW	ONC	PIS	Bio-pesticides production										
Kendrapara	FW	ONC	PIS	Bio-fertilizer production										
Kendrapara	FW	ONC	PIS	Vermi-compost production										
Kendrapara	FW	ONC	PIS	Organic manures production										

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Name of KVK	Category	Training Type	Theme code	Sub-theme	No. of Courses (Targeted)	No. of Courses (Achieved)	Duration (Days)	Participants						
								SC		ST		Others		
								M	F	M	F	M	F	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Kendrapara	FW	ONC	PIS	Production of fry and fingerlings										
Kendrapara	FW	ONC	PIS	Production of Bee-colonies and wax sheets										
Kendrapara	FW	ONC	PIS	Small tools and implements										
Kendrapara	FW	ONC	PIS	Production of livestock feed and fodder										
Kendrapara	FW	ONC	PIS	Production of Fish feed										
Kendrapara	FW	ONC	CBD	Leadership development										
Kendrapara	FW	ONC	CBD	Group dynamics										
Kendrapara	FW	ONC	CBD	Formation and Management of SHGs										
Kendrapara	FW	ONC	CBD	Mobilization of social capital										
Kendrapara	FW	ONC	CBD	Entrepreneurial development of farmers/youths										
Kendrapara	FW	ONC	CBD	WTO and IPR issues										
Kendrapara	FW	ONC	AGF	Production technologies										
Kendrapara	FW	ONC	AGF	Nursery management										
Kendrapara	FW	ONC	AGF	Integrated Farming Systems										
Kendrapara	FW	ONC	OTH	Others (Use of improved implement)										
Kendrapara	FW	ONC	OTH	Others (Please specify)										
Kendrapara	RY	ONC	RYH	Mushroom Production	2	2	6	-	3	-	-	13	24	
Kendrapara	RY	ONC	RYH	Bee-keeping	1	1	5	-	5	-	-	2	8	
Kendrapara	RY	ONC	RYH	Integrated farming	1	1	3	-	4	-	-	7	9	
Kendrapara	RY	ONC	RYH	Seed production	3	3	9	4	1	-	-	29	16	
Kendrapara	RY	ONC	RYH	Production of organic inputs	3	3	15	-	-	-	-	40	-	
Kendrapara	RY	ONC	RYH	Integrated Farming										
Kendrapara	RY	ONC	RYH	Planting material production	1	1	5	-	1	-	-	4	5	
Kendrapara	RY	ONC	RYH	Vermi-culture										
Kendrapara	RY	ONC	RYH	Sericulture										
Kendrapara	RY	ONC	RYH	Protected cultivation of vegetable crops										
Kendrapara	RY	ONC	RYH	Commercial fruit production										
Kendrapara	RY	ONC	RYH	Repair and maintenance of farm machinery and implements										

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Name of KVK	Category	Training Type	Theme code	Sub-theme	No. of Courses (Targeted)	No. of Courses (Achieved)	Duration (Days)	Participants						
								SC		ST		Others		
								M	F	M	F	M	F	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Kendrapara	RY	ONC	RYH	Nursery Management of Horticulture crops										
Kendrapara	RY	ONC	RYH	Training and pruning of orchards										
Kendrapara	RY	ONC	RYH	Value addition	1	1	2	-	3	-	-	-	22	
Kendrapara	RY	ONC	RYH	Production of quality animal products										
Kendrapara	RY	ONC	RYH	Dairying										
Kendrapara	RY	ONC	RYH	Sheep and goat rearing										
Kendrapara	RY	ONC	RYH	Quail farming										
Kendrapara	RY	ONC	RYH	Piggery										
Kendrapara	RY	ONC	RYH	Rabbit farming										
Kendrapara	RY	ONC	RYH	Poultry production										
Kendrapara	RY	ONC	RYH	Ornamental fisheries										
Kendrapara	RY	ONC	RYH	Para vets										
Kendrapara	RY	ONC	RYH	Para extension workers										
Kendrapara	RY	ONC	RYH	Composite fish culture										
Kendrapara	RY	ONC	RYH	Freshwater prawn culture										
Kendrapara	RY	ONC	RYH	Shrimp farming										
Kendrapara	RY	ONC	RYH	Pearl culture										
Kendrapara	RY	ONC	RYH	Cold water fisheries										
Kendrapara	RY	ONC	RYH	Fish harvest and processing technology										
Kendrapara	RY	ONC	RYH	Fry and fingerling rearing										
Kendrapara	RY	ONC	RYH	Small scale processing	1	1	5	-	1	-	-	-	6	
Kendrapara	RY	ONC	RYH	Post Harvest Technology										
Kendrapara	RY	ONC	RYH	Tailoring and Stitching										
Kendrapara	RY	ONC	RYH	Rural Crafts	1	1	7	-	1	-	-	-	9	
Kendrapara	RY	ONC	RYH	Others (Irrigation System)										
Kendrapara	RY	ONC	RYH	Others (Flower Production)										
Kendrapara	RY	ONC	RYH	Others (Please specify)										
Kendrapara	IS	ONC	EXP	Productivity enhancement in field crops	1	1	1	-	-	-	-	10	-	
Kendrapara	IS	ONC	EXP	Integrated Pest Management	1	1	1	1	-	-	-	13	1	

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Name of KVK	Category	Training Type	Theme code	Sub-theme	No. of Courses (Targeted)	No. of Courses (Achieved)	Duration (Days)	Participants					
								SC		ST		Others	
								M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Kendrapara	IS	ONC	EXP	Integrated Nutrient management	1	1	1	-	-	-	-	15	-
Kendrapara	IS	ONC	EXP	Rejuvenation of old orchards									
Kendrapara	IS	ONC	EXP	Protected cultivation technology	1	1	1	-	3	-	-	-	12
Kendrapara	IS	ONC	EXP	Formation and Management of SHGs									
Kendrapara	IS	ONC	EXP	Group Dynamics and farmers organization									
Kendrapara	IS	ONC	EXP	Information networking among farmers									
Kendrapara	IS	ONC	EXP	Capacity building for ICT application									
Kendrapara	IS	ONC	EXP	Care and maintenance of farm machinery and implements									
Kendrapara	IS	ONC	EXP	WTO and IPR issues									
Kendrapara	IS	ONC	EXP	Management in farm animals									
Kendrapara	IS	ONC	EXP	Livestock feed and fodder production									
Kendrapara	IS	ONC	EXP	Household food security	1	1	1	-	1	-	-	-	9
Kendrapara	IS	ONC	EXP	Women and Child care									
Kendrapara	IS	ONC	EXP	Low cost and nutrient efficient diet designing	1	1	1	-	1	-	-	-	9
Kendrapara	IS	ONC	EXP	Production and use of organic inputs	1	1	1	-	-	-	-	10	-
Kendrapara	IS	ONC	EXP	Gender mainstreaming through SHGs									
Kendrapara	IS	ONC	EXP	Others (Water Conservation)									
Kendrapara	IS	ONC	EXP	Others (Flower production)									
Kendrapara	IS	ONC	EXP	Others (Please specify)									
Kendrapara	IS	ONC	EXP	Others (Please specify)									
Kendrapara	FW	OFC	CRP	Weed Management	1	1	1	-	-	-	-	25	-
Kendrapara	FW	OFC	CRP	Resource Conservation Technologies	3	3	3	3	1	-	-	67	4
Kendrapara	FW	OFC	CRP	Cropping Systems	1	1	1	3	-	-	-	22	-
Kendrapara	FW	OFC	CRP	Crop Diversification	1	1	1	-	1	-	-	17	7
Kendrapara	FW	OFC	CRP	Integrated Farming	1	1	1	-	-	-	-	25	-
Kendrapara	FW	OFC	CRP	Water management	1	1	1	-	-	-	-	22	3
Kendrapara	FW	OFC	CRP	Seed production									
Kendrapara	FW	OFC	CRP	Nursery management									

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Name of KVK	Category	Training Type	Theme code	Sub-theme	No. of Courses (Targeted)	No. of Courses (Achieved)	Duration (Days)	Participants					
								SC		ST		Others	
								M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Kendrapara	FW	OFC	CRP	Integrated Crop Management	4	4	4	5	1	-	-	73	21
Kendrapara	FW	OFC	CRP	Fodder production									
Kendrapara	FW	OFC	CRP	Production of organic inputs	1	1	1	1	-	-	-	23	1
Kendrapara	FW	OFC	HOV	Production of low volume and high value crops	2	2	2	12	-	-	-	38	-
Kendrapara	FW	OFC	HOV	Off-season vegetables	2	2	2	3	3	-	-	22	22
Kendrapara	FW	OFC	HOV	Nursery raising									
Kendrapara	FW	OFC	HOV	Exotic vegetables like Broccoli									
Kendrapara	FW	OFC	HOV	Export potential vegetables									
Kendrapara	FW	OFC	HOV	Grading and standardization	1	1	1	-	7	-	-	4	14
Kendrapara	FW	OFC	HOV	Protective cultivation (Green Houses, Shade Net etc.)									
Kendrapara	FW	OFC	HOF	Training and Pruning									
Kendrapara	FW	OFC	HOF	Layout and Management of Orchards	1	1	1	2	-	-	-	22	1
Kendrapara	FW	OFC	HOF	Cultivation of Fruit	1	1	1	-	3	-	-	-	22
Kendrapara	FW	OFC	HOF	Management of young plants/orchards									
Kendrapara	FW	OFC	HOF	Rejuvenation of old orchards									
Kendrapara	FW	OFC	HOF	Export potential fruits									
Kendrapara	FW	OFC	HOF	Micro irrigation systems of orchards	2	2	2	1	1	-	-	31	17
Kendrapara	FW	OFC	HOF	Plant propagation techniques									
Kendrapara	FW	OFC	HOO	Nursery Management	1	1	1	2	-	-	-	23	-
Kendrapara	FW	OFC	HOO	Management of potted plants									
Kendrapara	FW	OFC	HOO	Export potential of ornamental plants									
Kendrapara	FW	OFC	HOO	Propagation techniques of Ornamental Plants	2	2	2	2	7	-	-	36	05
Kendrapara	FW	OFC	HOP	Production and Management technology									
Kendrapara	FW	OFC	HOP	Processing and value addition									
Kendrapara	FW	OFC	HOT	Production and Management technology									
Kendrapara	FW	OFC	HOT	Processing and value addition									
Kendrapara	FW	OFC	HOS	Production and Management technology	3	3	3	6	-	-	-	69	-
Kendrapara	FW	OFC	HOS	Processing and value addition									

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Name of KVK	Category	Training Type	Theme code	Sub-theme	No. of Courses (Targeted)	No. of Courses (Achieved)	Duration (Days)	Participants						
								SC		ST		Others		
								M	F	M	F	M	F	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Kendrapara	FW	OFC	HOM	Nursery management										
Kendrapara	FW	OFC	HOM	Production and management technology	1	1	1	-	5	-	-	-	20	
Kendrapara	FW	OFC	HOM	Post harvest technology and value addition										
Kendrapara	FW	OFC	SFM	Soil fertility management	1	1	1	-	-	-	-	17	8	
Kendrapara	FW	OFC	SFM	Soil and Water Conservation										
Kendrapara	FW	OFC	SFM	Integrated Nutrient Management	2	2	2	-	-	-	-	50	-	
Kendrapara	FW	OFC	SFM	Production and use of organic inputs	4	4	4	28	-	-	-	72	-	
Kendrapara	FW	OFC	SFM	Management of Problematic soils	4	4	4	25	-	-	-	75	-	
Kendrapara	FW	OFC	SFM	Micro nutrient deficiency in crops	1	1	1	-	-	-	-	25	-	
Kendrapara	FW	OFC	SFM	Nutrient Use Efficiency										
Kendrapara	FW	OFC	SFM	Soil and Water Testing										
Kendrapara	FW	OFC	LPM	Dairy Management										
Kendrapara	FW	OFC	LPM	Poultry Management										
Kendrapara	FW	OFC	LPM	Piggery Management										
Kendrapara	FW	OFC	LPM	Rabbit Management										
Kendrapara	FW	OFC	LPM	Disease Management										
Kendrapara	FW	OFC	LPM	Feed management										
Kendrapara	FW	OFC	WOE	Household food security by kitchen gardening and nutrition gardening	4	4	4	-	24	-	-	-	76	
Kendrapara	FW	OFC	WOE	Design and development of low/minimum cost diet										
Kendrapara	FW	OFC	WOE	Designing and development for high nutrient efficiency diet										
Kendrapara	FW	OFC	WOE	Minimization of nutrient loss in processing										
Kendrapara	FW	OFC	WOE	Gender mainstreaming through SHGs										
Kendrapara	FW	OFC	WOE	Storage loss minimization techniques										
Kendrapara	FW	OFC	WOE	Value addition	5	5	5	-	71	-	-	-	54	
Kendrapara	FW	OFC	WOE	Income generation activities for empowerment of rural Women	5	5	5	-	49	-	-	-	76	
Kendrapara	FW	OFC	WOE	Location specific drudgery reduction technologies										

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Name of KVK	Category	Training Type	Theme code	Sub-theme	No. of Courses (Targeted)	No. of Courses (Achieved)	Duration (Days)	Participants						
								SC		ST		Others		
								M	F	M	F	M	F	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Kendrapara	FW	OFC	WOE	Rural Crafts	1	1	7		1					9
Kendrapara	FW	OFC	WOE	Women and child care										
Kendrapara	FW	OFC	AEG	Installation and maintenance of micro irrigation systems										
Kendrapara	FW	OFC	AEG	Use of Plastics in farming practices										
Kendrapara	FW	OFC	AEG	Production of small tools and implements										
Kendrapara	FW	OFC	AEG	Repair and maintenance of farm machinery and implements										
Kendrapara	FW	OFC	AEG	Small scale processing and value addition										
Kendrapara	FW	OFC	AEG	Post Harvest Technology										
Kendrapara	FW	OFC	PLP	Integrated Pest Management	11	8	8	36	-	-	-	125	39	
Kendrapara	FW	OFC	PLP	Integrated Disease Management	6	5	5	11	-	-	-	111	3	
Kendrapara	FW	OFC	PLP	Bio-control of pests and diseases										
Kendrapara	FW	OFC	PLP	Production of bio control agents and bio pesticides										
Kendrapara	FW	OFC	FIS	Integrated fish farming										
Kendrapara	FW	OFC	FIS	Carp breeding and hatchery management										
Kendrapara	FW	OFC	FIS	Carp fry and fingerling rearing										
Kendrapara	FW	OFC	FIS	Composite fish culture										
Kendrapara	FW	OFC	FIS	Hatchery management and culture of freshwater prawn										
Kendrapara	FW	OFC	FIS	Breeding and culture of ornamental fishes										
Kendrapara	FW	OFC	FIS	Portable plastic carp hatchery										
Kendrapara	FW	OFC	FIS	Pen culture of fish and prawn										
Kendrapara	FW	OFC	FIS	Shrimp farming										
Kendrapara	FW	OFC	FIS	Edible oyster farming										
Kendrapara	FW	OFC	FIS	Pearl culture										
Kendrapara	FW	OFC	FIS	Fish processing and value addition										
Kendrapara	FW	OFC	PIS	Seed Production										
Kendrapara	FW	OFC	PIS	Planting material production										

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Name of KVK	Category	Training Type	Theme code	Sub-theme	No. of Courses (Targeted)	No. of Courses (Achieved)	Duration (Days)	Participants						
								SC		ST		Others		
								M	F	M	F	M	F	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Kendrapara	FW	OFC	PIS	Bio-agents production										
Kendrapara	FW	OFC	PIS	Bio-pesticides production										
Kendrapara	FW	OFC	PIS	Bio-fertilizer production										
Kendrapara	FW	OFC	PIS	Vermi-compost production										
Kendrapara	FW	OFC	PIS	Organic manures production										
Kendrapara	FW	OFC	PIS	Production of fry and fingerlings										
Kendrapara	FW	OFC	PIS	Production of Bee-colonies and wax sheets										
Kendrapara	FW	OFC	PIS	Small tools and implements										
Kendrapara	FW	OFC	PIS	Production of livestock feed and fodder										
Kendrapara	FW	OFC	PIS	Production of Fish feed										
Kendrapara	FW	OFC	CBD	Leadership development										
Kendrapara	FW	OFC	CBD	Group dynamics										
Kendrapara	FW	OFC	CBD	Formation and Management of SHGs										
Kendrapara	FW	OFC	CBD	Mobilization of social capital										
Kendrapara	FW	OFC	CBD	Entrepreneurial development of farmers/youths										
Kendrapara	FW	OFC	CBD	WTO and IPR issues										
Kendrapara	FW	OFC	AGF	Production technologies										
Kendrapara	FW	OFC	AGF	Nursery management										
Kendrapara	FW	OFC	AGF	Integrated Farming Systems										
Kendrapara	FW	OFC	OTH	Others (Paddy straw mushroom)	1	1	1	-	16	-	-	-	-	9
Kendrapara	FW	OFC	AEG	Others (Use of improved implement)										
Kendrapara	FW	OFC	AEG	Others (water recharging)										
Kendrapara	FW	OFC	AEG	Others(Soil and Water Conservation)										
Kendrapara	FW	OFC	OTH	Others (Please specify)										
Kendrapara	RY	OFC	RYH	Mushroom Production										
Kendrapara	RY	OFC	RYH	Bee-keeping										
Kendrapara	RY	OFC	RYH	Integrated farming										
Kendrapara	RY	OFC	RYH	Seed production										
Kendrapara	RY	OFC	RYH	Production of organic inputs										

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Name of KVK	Category	Training Type	Theme code	Sub-theme	No. of Courses (Targeted)	No. of Courses (Achieved)	Duration (Days)	Participants						
								SC		ST		Others		
								M	F	M	F	M	F	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Kendrapara	RY	OFC	RYH	Integrated Farming										
Kendrapara	RY	OFC	RYH	Planting material production										
Kendrapara	RY	OFC	RYH	Vermi-culture										
Kendrapara	RY	OFC	RYH	Sericulture										
Kendrapara	RY	OFC	RYH	Protected cultivation of vegetable crops										
Kendrapara	RY	OFC	RYH	Commercial fruit production										
Kendrapara	RY	OFC	RYH	Repair and maintenance of farm machinery and implements										
Kendrapara	RY	OFC	RYH	Nursery Management of Horticulture crops										
Kendrapara	RY	OFC	RYH	Training and pruning of orchards										
Kendrapara	RY	OFC	RYH	Value addition										
Kendrapara	RY	OFC	RYH	Production of quality animal products										
Kendrapara	RY	OFC	RYH	Dairying										
Kendrapara	RY	OFC	RYH	Sheep and goat rearing										
Kendrapara	RY	OFC	RYH	Quail farming										
Kendrapara	RY	OFC	RYH	Piggery										
Kendrapara	RY	OFC	RYH	Rabbit farming										
Kendrapara	RY	OFC	RYH	Poultry production										
Kendrapara	RY	OFC	RYH	Ornamental fisheries										
Kendrapara	RY	OFC	RYH	Para vets										
Kendrapara	RY	OFC	RYH	Para extension workers										
Kendrapara	RY	OFC	RYH	Composite fish culture										
Kendrapara	RY	OFC	RYH	Freshwater prawn culture										
Kendrapara	RY	OFC	RYH	Shrimp farming										
Kendrapara	RY	OFC	RYH	Pearl culture										
Kendrapara	RY	OFC	RYH	Cold water fisheries										
Kendrapara	RY	OFC	RYH	Fish harvest and processing technology										
Kendrapara	RY	OFC	RYH	Fry and fingerling rearing										
Kendrapara	RY	OFC	RYH	Small scale processing										

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Name of KVK	Category	Training Type	Theme code	Sub-theme	No. of Courses (Targeted)	No. of Courses (Achieved)	Duration (Days)	Participants						
								SC		ST		Others		
								M	F	M	F	M	F	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Kendrapara	RY	OFC	RYH	Post Harvest Technology										
Kendrapara	RY	OFC	RYH	Tailoring and Stitching										
Kendrapara	RY	OFC	RYH	Rural Crafts										
Kendrapara	RY	OFC	RYH	Others (Designing and development for high nutrient efficiency diet)										
Kendrapara	IS	OFC	EXP	Productivity enhancement in field crops										
Kendrapara	IS	OFC	EXP	Integrated Pest Management										
Kendrapara	IS	OFC	EXP	Integrated Nutrient management										
Kendrapara	IS	OFC	EXP	Rejuvenation of old orchards										
Kendrapara	IS	OFC	EXP	Protected cultivation technology										
Kendrapara	IS	OFC	EXP	Formation and Management of SHGs										
Kendrapara	IS	OFC	EXP	Group Dynamics and farmers organization										
Kendrapara	IS	OFC	EXP	Information networking among farmers										
Kendrapara	IS	OFC	EXP	Capacity building for ICT application										
Kendrapara	IS	OFC	EXP	Care and maintenance of farm machinery and implements										
Kendrapara	IS	OFC	EXP	WTO and IPR issues										
Kendrapara	IS	OFC	EXP	Management in farm animals										
Kendrapara	IS	OFC	EXP	Livestock feed and fodder production										
Kendrapara	IS	OFC	EXP	Household food security										
Kendrapara	IS	OFC	EXP	Women and Child care										
Kendrapara	IS	OFC	EXP	Low cost and nutrient efficient diet designing										
Kendrapara	IS	OFC	EXP	Production and use of organic inputs										
Kendrapara	IS	OFC	EXP	Gender mainstreaming through SHGs										
Kendrapara	IS	OFC	EXP	Others (Please specify)										

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Table 3.2. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
					SC		ST		Others	
					M	F	M	F	M	F
Kendrapara	Commercial production of BGA, Azolla & VAM	Organic input (BGA, Azolla & VAM)	Production of organic input	7	1	-	-	-	9	-
Kendrapara	Preparation of golden grass product for self employment	Golden grass	Rural craft	7		1				9
Kendrapara	Bee keeping for profit and pleasure	Bee keeping	Bee keeping	5		5			2	8
Kendrapara	Self employment through oyster mushroom cultivation	Mushroom	Mushroom cultivation	3		2			5	13
Kendrapara	Self employment through paddy straw mushroom cultivation	Mushroom	Mushroom cultivation	3		1			8	11
Kendrapara	Propagation technique of horticultural plants	Planting material production	Remunerative enterprise introduction	5	-	1	-	-	4	5
Kendrapara	Preparation technique and use of vermin-compost in agriculture	Vermicompost	Production of organic input	5	-	-	-	-	10	-

Table 3.3. Details of training programme conducted for livelihood security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed elsewhere
		Type of units	Number of units	Number of persons employed	
Kendrapara	Preparation of golden grass product for self employment	Small	30	400	

Table 3.4. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
Kendrapara	Vocational training for self employment of rural youth	Rural youths	Entrepreneurial development of farmers/youths	RY	2	1	55	12	9	4	-	-	District Employment Office	-

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4. Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	
Kendrapara	Rice-fish cultivation for water logged area	25	38	54	35	40	15000	24000	1. 70 ha 2. Out of 25 trainees 3 farmer adopted 3. i. knowledge- 42% ii. Production- 14% iii. Income- 60%
Kendrapara	Care and management of paddy straw mushroom in summer season	25	30	60	1	1.5	80	120	1. 30 villages have adopted the technology 2. More than 600 farmers 3. i. Knowledge- 50%, ii. Production- 33%, iii. Income- 33%
Kendrapara	Safe and judicious use of pesticide	25	45	65	170	206	46875	61722	1. Area expanded 50 ha 2. No of farmers adopted- 250 nos. 3. i. Knowledge- 30.76% ii. Production- 24%, iii. Income- 24%
Kendrapara	Seed borne disease of paddy and their management	25	10	45	35.0	43.5	35000	43500	1. Area expanded 200 ha 2. No of farmers adopted- 350 nos. 3. i. Knowledge- 77% ii. Production- 19.54% iii. Income- 19.54%

KVK, Kendrapara	Integrated pest management of paddy	25	25	55	35.0	43.5	35000	43500	1. Area expanded 150 ha 2. No of farmers adopted- 200 nos. 3. i. Knowledge- 54% ii. Production- 19.54% iii. Income- 19.54%
KVK, Kendrapara	Integrated disease management of jute	25	30	55	18	25	25000	42000	1. Area expanded 25 ha 2. No of farmers adopted- 50 nos. 3. i. Knowledge- 45% ii. Production- 28% iii. Income- 40.47%
Kendrapara	Integrated nutrient management in paddy pulse cropping system	25	45	71	34	43	14000	22000	1. 165 ha, 2. Out of 25 farmers 18 accepted the INM practice in paddy pulse cropping system 3. i. Knowledge- 58%, ii. Production- 26%, iii. Income- 57%
Kendrapara	Water management in	25	41	62	18	23	18000	26000	1. 96 ha 2. Out of 25 farmers 11 farmer accepted the technology of water management in jute, 3.i. Knowledge- 51% , ii.. Production- 28%, iii. Income- 44%
Kendrapara	Construction technology of water harvesting structure	25	34	51	36	41	17000	21000	1. 86 ha 2. Out of 25 farmers 16 trainees accepted the technology of water harvesting structure 3.i. Knowledge- 50% , ii.. Production- 14%, iii. Income- 23%
Kendrapara	Weed management in jute	25	31	64	21	26	15000	24000	1. 111 ha 2. Out of 25 trainee 18 trainees adopted the weedicide application technology in jute 3.i. Knowledge- 106% ii.. Production- 24% iii. Income- 60%

Kendrapara	Bio-fertilizer use in Kharif paddy	25	38	57	33	40	16000	23000	1. 156 ha 2. Out of 25 farmers 16 founded the bio-fertilizer application in paddy. 3.i. Knowledge- 50% ii.. Production- 21% iii. Income- 44%
Kendrapara	Adoption practices of farming system model	25	41	74	36	43	16000	35000	1. 225 ha 2. Out of 25 trainee 12 trainees adopted the farming system model 3.i. Knowledge- 80% ii.. Production- 19% iii. Income- 118%
Kendrapara	Inter cropping for sustainable agriculture	25	38	62	34	44	18000	27000	1. 116 ha 2. Out of 25 trainee 9 trainees adopted the inter cropping practice 3.i. Knowledge- 63% , ii.. Production- 29% , iii. Income- 50%
Kendrapara	Organic farming for eco-friendly agriculture	10	41	57	41	53	11,000	16,000	1. 182 ha 2. Out of 10 trainees 2 trainee adopted 3. i. knowledge- 39% ii. Production- 29% iii. Income- 45%
Kendrapara	Commercial production of BGA, Azolla & VAM	10	32	47	35	42	14000	21,000	1. 111 ha 2. Out of 10 trainees 3 trainee adopted 3. i. knowledge- 46% ii. Production- 20% iii. Income- 50%
Kendrapara	Use of bio-fertiliser in blackgram	25	45	68	5	9	1500	3500	1. 152 ha 2. Out of 25 trainees 14 trainee adopted 3. i. knowledge- 51% ii. Production- 80% iii. Income- 133%
Kendrapara	Use of rhizobium culture for seed treatment in groundnut	25	43	71	18	26	12000	16000	1. 124 ha 2. Out of 25 trainees 12 trainee adopted 3. i. knowledge- 65% ii. Production- 44% iii. Income- 33%

Kendrapa ra	Integrated farming system approach for sustainable agriculture	20	25	56	32	46	16000	42000	1. 144 ha 2. Out of 20 trainees 5 trainee adopted 3. i. knowledge- 124% ii. Production- 43% iii. Income- 162%
Kendrapa ra	Production technique of sunflower	25	31	55	20	26	14000	20000	1. 138 ha 2. Out of 25 trainees 6 trainee adopted 3. i. knowledge- 77% ii. Production- 30% iii. Income- 42%
Kendrapa ra	Water management technique for water harvesting structure	25	35	45	31	43	15000	24000	1. 145 ha 2. Out of 25 trainees 23 trainee adopted 3. i. knowledge- 63% ii. Production- 19% iii. Income- 27%
Kendrapa ra	Fertiliser management in HYV paddy	25	46	75	36	43	18000	23000	1. 212 ha 2. Out of 25 trainees 8 trainee adopted 3. i. knowledge- 28% ii. Production- 38% iii. Income- 60%
Kendrapa ra	Production and certification of paddy seeds	20	38	63	35	41	17000	22000	1. 185 ha 2. Out of 20 trainees 13 adopted 3. i. knowledge- 65% ii. Production- 17% iii. Income- 29%
Kendrapa ra	Cultivation method and technique of hybrid rice	25	42	74	32	41	15500	24500	1. 120 ha 2. Out of 25 trainees 11 trainee adopted 3. i. knowledge- 76% ii. Production- 28% iii. Income- 58%
Kendrapa ra	Cultivation and production technique of blackgram	10	44	79	6	10	3000	6000	1. 160 ha 2. Out of 10 trainees 6 trainee adopted 3. i. knowledge- 79% ii. Production- 66% iii. Income- 100%
Kendrapa ra	Harvesting technique of sunflower	25	38	62	21	28	12000	18000	1. 124 ha 2. Out of 25 trainees 8 trainee adopted 3. i. knowledge- 63% ii. Production- 33% iii. Income- 50%

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Kendrapa ra	SRI method of rice cultivation	25	32	68	32	51	17000	35000	1. 220 ha 2. Out of 25 trainees 13 trainee adopted 3. i. knowledge- 112% ii. Production- 59% iii. Income- 105%
Kendrapa ra	Crop residue treatment for vermin-compost substrate	25	41	74	33	40	12000	19000	1. 62 ha 2. Out of 25 trainees 8 trainee adopted 3. i. knowledge- 80% ii. Production- 321 iii. Income- 58%
Kendrapa ra	Pest and disease management in banana	25	25	63	350	450	35,600	46,800	1. 50 ha 2. Out of 25 trainees 8 farmers adopted the scientific pest and disease in banana 3.i. Knowledge- 60% ii. Production- 22% iii. Income- 23.93%
Kendrapa ra	Pests of Brinjal and their management	25	48	70	300	450	28,860	44,430	1. 80 ha 2. Out of 25 trainees 14 farmers adopted the scientific pest management in brinjal 3.i. Knowledge- 31.42% ii. Production- 33.33% iii. Income- 35.04%
Kendrapa ra	Disease management of cole crops	25	55	65	250	300	1,10,000	1,50,000	1. 85 ha 2. Out of 25 trainees 11 farmers adopted the integrated disease management of cole crops 3.i. Knowledge- 15.38% ii. Production- 16.66% iii. Income- 26.66%
Kendrapa ra	Disease and pest management of coconut	25	15	45	35	55	28,00	5,600	1. 150 ha 2. Out of 25 trainees 18 farmers adopted the disease and pest management in coconut 3.i. Knowledge- 66.66% ii. Production- 36.36% iii. Income- 50%

Kendrapa ra	Integrated pest and disease management in sunflower	25	37	57	12	15	65,000	85,000	1. 55 ha 2. Out of 25 trainees 16 farmers adopted the recommended integrated pest and disease management 3.i. Knowledge- 35.08% ii. Production- 20% iii. Income- 23.52%
Kendrapa ra	Self employment through oyster mushroom production (estimate for 1 bed)	20	10	80	1	1.5	40	60	1. 30 villages 2. Out of 20 trainees 20 farmers adopted the mushroom cultivation 3.i. Knowledge- 87.50% ii. Production- 33.33% iii. Income- 33.33%
Kendrapa ra	Integrated pest management in mustard	25	37	77	10	14	35,000	47,000	1. 57 ha 2. Out of 25 trainees 10 farmers adopted the recommended practices of IPM in mustard 3.i. Knowledge- 51.94% ii. Production- 28.57% iii. Income- 25.53%
Kendrapa ra	Disease management of potato	25	47	67	10	210	80,000	105000	1. 80 ha 2. Out of 25 trainees 11 farmers adopted the scientific disease management of potato 3.i. Knowledge- 29.85% ii. Production- 23.80% iii. Income- 23.50%
Kendrapa ra	Bee keeping for profit & pleasure	15	20	57	5	10	1000	2000	1.10 villages 2. Out of 15 trainees 5 farmers adopted the recommended scientific bee keeping 3.i. Knowledge- 64.91% ii. Production- 50% iii. Income- 50%
Kendrapa ra	Self employment through paddy straw mushroom cultivation (estimate for 1 bed)	20	40	80	0.6	1	42	70	1. 30 villages 2. Out of 20 trainees 16 farmers adopted the scientific paddy straw mushroom cultivation 3.i. Knowledge- 50% ii. Production- 40% iii. Income- 40%

Kendrapar a	Selection of planting material and its treatment for banana cultivation	25	55	82	325	358	35500	41200	1. 32 ha 2. Out of 25 trainees 10 farmers adopted the proper planting material before planting along with supplying quality planting materials 3. i. Knowledge- 490% ii. Production- 10% iii. Income- 16%
Kendrapar a	Nursery raising for cultivation of Kharif tomato	25	23	32	185	220	45000	54740	1. 64 ha 2. Out of 25 trainees 12 farmers adopted the proper method of raising nursery for Kharif tomato. 3. i. Knowledge- 39% ii. Production- 19% iii. Income- 21.6%
Kendrapar a	Water fertilizer management of young coconut orchards	25	36	51	9.3	12.9	23250	28750	1. 115 ha 2. Out of 25 trainees 14 farmers applied fertilizers to the coconut plantation. 3. i. Knowledge- 41% ii. Production- 38.7% iii. Income- 23.6%
Kendrapar a	Layout and planting of banana, papaya and drumstick on pond embankment	25	31	48	338	392	32450	40600	1. 20 ha 2. Out of 25 trainees 5 farmers adopted the technology of proper layout of pond embankment. 3. i. Knowledge- 54.8% ii. Production- 15.9% iii. Income- 25.1%
Kendrapar a	Propagation technique of ornamental plants	25	24	32	9000	14500	24000	25000	1. 1.10 ha 2. Out of 25 trainees 6 farmers has start their small scale nursery for supply of marigold cuttings and other seasonal annuals. 3. i. Knowledge- 33% ii. Production- % iii. Income- 61.1%
Kendrapar a	Scientific package of practices for cultivation of capsicum	25	28	40	105	142	28200	35460	1. 15 ha 2. Out of 25 trainees 8 farmer. have gone for capsicum cultivation. 3. i. Knowledge- 42.8% ii. Production- 35.23% iii. Income- 25.7%

Kendrapar a	Integrated nutrient management for off season cultivation of cole crops	25	35	52	210	265	16500	22800	1. 92 ha 2. Out of 25 trainees 14 went for integrated nutrient management in cabbage 3. i. Knowledge – 48.5% ii. Production- 26.19% iii. Income- 38.18%
Kendrapar a	Propagation technique in horticultural plants	10	20	32	-	-	18000	29500	1. Out of 10 trainees 4 went for planting material (graft) production of mango 2. i. Knowledge- 37.5% ii. Planting material production increased from 6000 to 10,000 among the interested farmers iii. Income- 63.8%
Kendrapar a	Fertiliser management in chilli	25	42	71	88	112	40500	48650	1. 105 ha 2. Out of 25 trainees, 10 farmers have gone for nutrient management in chilli 3. i. Knowledge- 69% ii. Production- 27% iii. Income- 20.12%
Kendrapar a	Weed management in cultivation of Rabi onion	25	26	38	145	172	21,500	26,400	1. 46 ha 2. Out of 25 trainees only 4 went for weed management in onion cultivation 3. i. Knowledge- 46.1% ii. Production- 18.6% iii. Income- 22.8%
Kendrapar a	Layout and planting method in the cultivation of pointed gourd CV. Swarna Alaukik	25	32	49	165	220	42000	58,500	1. 24 ha 2. Out of 25 trainees 14 went for pointed gourd cultivation in staking method 3. i. Knowledge- 53.1% ii. Production- 33.3% iii. Income- 39.28%
Kendrapar a	Staggered planting method of marigold for year round availability of flowers	25	28	39	86	114	24,500	35,750	1. 20 ha 2. Out of 25 trainees 3 went for staggered planting method in a small scale to supply flowers round the season 3. i. Knowledge- 39% ii. Production- 32.5% iii. Income- 45.9%

Kendrapara	Selection of proper stage for harvesting in bulb crops and potato along with its grading packaging etc.	25	38	54	180	215	17,500	20,600	1. 165 ha 2. Out of 25 trainees 8 went for proper grading, packing and post harvest management practices 3. i. Knowledge- 42.1% ii. Production- 19.4% iii. Income- 17.7%
Kendrapara	Protected cultivation of vegetable and ornamentals	15	21	35	210	260	28,400	39,400	1. Out of 15 trainees 2 have gone for protected cultivation in a small patch of area 2. i. Knowledge- 66.7% ii. Production- 23.8% iii. Income- 38.7%
Kendrapara	Seed production technology in self pollinated vegetable crops	15	28	36	0.55	0.75	35,000	48,500	1. 10 ha 2. Out of 15 trainees 2 trainees went for seed production of tomato 3. i. Knowledge- 28.5% ii. Production- 36.7% iii. Income- 38.5%
Kendrapara	Use of vermicompost in vegetable	25	36	64	180	240	75000	120000	1. 25 ha 2. Out of 25 trainees 12 adopted the technology 3. i. Knowledge- 78% ii. Production – 34% iii. Income- 60%
Kendrapara	Cultural practices for combating soil salinity	25	45	75	5.2	7.5	13200	18750	1. 32 ha 2. Out of 25 trainees 16 adopted the technology 3. i. Knowledge- 67% ii. Production – 29.5 % iii. Income- 42 %
Kendrapara	Use of bio-fertilizers in pulses	25	32	85	5.5	7.8	15500	25000	1. 58 ha 2. Out of 25 trainees 20 adopted the technology 3. i. Knowledge- 65 % ii. Production – 41.8 % iii. Income- 61.3 %

Kendrapa ra	Fertilizer management in summer paddy nursery	25	48	65	36	42	16000	28000	1. 30 ha 2. Out of 25 trainees 13 adopted the technology 3. i. Knowledge-35.4 % ii. Production –16.6 % iii. Income-75 %
Kendrapa ra	Application method of liming material	25	42	78	5.8	7.2	14000	22000	1. 50 ha 2. Out of 25 trainees 12 adopted the technology 3. i. Knowledge-85.7 % ii. Production –24.1 % iii. Income-57.1 %
Kendrapa ra	Preparation technique & use of vermin-compost in agriculture	25	45	76	165	225	68000	105000	1. 35 ha 2. Out of 25 trainees 12 adopted the technology 3. i. Knowledge-68.8 % ii. Production –36.3 % iii. Income-54.4 %
Kendrapa ra	Bio-fertilizer application method	25	35	62	5.4	7.2	15000	24000	1. 55 ha 2. Out of 25 trainees 15 adopted the technology 3. i. Knowledge-77.1 % ii. Production –33.3 % iii. Income-60 %
Kendrapa ra	Soil sample collection technique and processing	25	45	72	-	-	-	-	1. 52 ha 2. Out of 25 trainees 15 farmers came forward for soil testing 3. Knowledge- 60%
Kendrapa ra	Use of amendments in saline soil	25	24	75	5.26	7.50	18410	26250	1. 65 ha 2. Out of 25 trainees 18 adopted the technology 3. i. Knowledge- 212%, ii. Production- 42.5%, iii. Income- 42.5%
Kendrapa ra	Soil test based fertilizer recommendation to crops	25	36	64	165	190	85000	115000	1. 72 ha 2. Out of 25 trainees 16 adopted the technology 3. Knowledge- 77%, ii. Production- 15.1%, iii. Income- 35.2%

Kendrapa ra	Micronutrient application in rice	25	42	68	38	45	14000	21000	1. 55 ha 2. Out of 25 trainees 12 adopted the technology 3. Knowledge- 61.9%, ii. Production- 18.4%, iii. Income- 50%
Kendrapa ra	Bio-fertilizer application in potato	25	40	70	140	190	42000	57000	1. 48 ha 2. Out of 25 trainees 14 adopted the technology 3. Knowledge- 75%, ii. Production- 35.7% iii. Income- 35%
Kendrapa ra	Indigenous preparation technique of bio-fertilizer	25	42	75	35	40	16000	25000	1. 32 ha 2. Out of 25 trainees 12 adopted the technology 3. i. Knowledge-78.5 % ii. Production –14.2 % iii. Income- 56.2 %
Kendrapa ra	Nutritional garden	50	24	38	92	143	36800	57200	1. 18 ha 2. Out of 50 trainees 32 adopted the technology 3. i. Knowledge-58.3 % ii. Production –55.4 % iii. Income- 55.4 %
Kendrapa ra	Preparation of golden grass product	10	36	52	-	-	4570	7230	1. 23 ha 2. Out of 10 trainees 6 adopted the technology 3. i. Knowledge-44.5 % ii. Income- 58.2 %
Kendrapa ra	Preparation technique of tomato pickle & puree (100 kg)	25	28	50	-	-	920	1650	1. 8 villages 2. Out of 25 trainees 8 adopted the technology 3. i. Knowledge-78.5 % ii. Income- 79.3 %
Kendrapa ra	Oyster mushroom cultivation (kg per bed)	50	45	70	1	1.5	40	60	1. 20 villages 2. Out of 50 trainees 35 adopted the technology 3. i. Knowledge-55.6 % ii. Production –50 % iii. Income- 50 %

NOTE: This exercise should be conducted by using/developing suitable well-structured questionnaire/ interview schedule implemented to the beneficiaries only.

5. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
Kendrapara	Field Day	22	16	324	276	87	63	38	12	FLD	Introduction of HYV paddy (<i>c.v-Pratikhya</i>) land situation, SRI in rabi rice, Introduction method of planting in marigold for round the production, Demonstration on integrated nutrient management in existing coconut plantations of improved variety of pointed gourd cv. <i>Sweet</i> Effect of Triaccontanol on watermelon, Biofertilizer application in potato, Foliar application of nutrients to cauliflower, Micro nutrient management to reduce grain sterility of rice, Semi intensive poultry production, Cultivation of oyster mushroom, Use of rake to reduce drudgery of farm Women, Integrated disease management for blast in summer paddy, Use of chemicals for control of thrips in chilli, Integrated pest management of fruit and shoot borer in brinjal	Application of critical inputs & Harvest of produce

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Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
Kendr apara	Kisan Mela	2	1	80	15	10	5	8	2			
Kendr apara	Kisan Ghosthi	12	8	85	35	23	8	6	3			
Kendr apara	Exhibition	4	4	114	86	57	18	16	9			
Kendr apara	Film Show	60	50									
Kendr apara	Method Demonstrations	90	85	883	372	185	153	65	42			
Kendr apara	Farmers Seminar	12	10	89	66	38	17	19	11			
Kendr apara	Workshop	2	1	27	13	4	3	1	2			
Kendr apara	Group meetings	25	22	305	95	148	31	38	15			
Kendr apara	Lectures delivered as resource persons	50	35							-		
Kendr apara	Newspaper coverage	24	23							-		
Kendr apara	Radio talks	12	14							-		
Kendr apara	TV talks	50	40							-		
Kendr apara	Popular articles	20	15							-		
Kendr apara	Extension Literature	8	7							-		
Kendr apara	Farm advisory Services	400	350							-		
Kendr apara	Scientific visit to farmers field	250	240							-		
Kendr apara	Farmers visit to KVK	400	360	208	22	51	34	22	3			
Kendr	Diagnostic visits	150	120							-		

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Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
apara												
Kendr apara	Exposure visits	2	1	28	14	5	3					
Kendr apara	Ex-trainees Sammelan	4	2	60	15	12	4	6	3			
Kendr apara	Soil health Camp	2	2	38	2	6		4				
Kendr apara	Animal Health Camp											
Kendr apara	Agri mobile clinic	4	1	36	14	12	4	6	3			
Kendr apara	Soil test campaigns	2	1	39	3	6		6				
Kendr apara	Farm Science Club conveners meet	2	2	35	5	8		2				
Kendr apara	Self Help Group conveners meetings	4	2	55	20	14	6	3	2			
Kendr apara	Mahila Mandals conveners meetings	2	1		78		17		5			
Kendr apara	Celebration of important days	5	4	121	40	48	17	12	8		University foundation day, Women in agriculture day, Technical week celebration, World food day	

FORMAT 3- MISCELLENIOUS ACTIVITY

REPORTING PERIOD – April 2009 to March, 2010

1 BIO PRODUCTS

KVK Name	Major group/class	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
				No	(kg)		
Kendrapara	BIOAGENTS						
Kendrapara	BIOFERTILIZERS						
Kendrapara	BIO PESTICIDES						

2 LIVESTOCK

KVK of KVK	Category	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
				(Nos)	Kgs		
Kendrapara	Cattle						
Kendrapara	Sheep and Goat						
Kendrapara	Poultry	Dual type	Colour bird	734	95.33	19528	60
Kendrapara	Fisheries						
Kendrapara	Others (Specify)						

3 Literature Developed/Published (with full title, author & reference)

(A) KVK News Letter ((,etc.)

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
Kendrapara				

(B) Literature developed/published

KVK Name	Type	Title	Authors name	Number of copies
Kendrapara	Leaflet	Urnata pranalire gendu phula chasa	D.Sahoo	300
Kendrapara	Leaflet	Management of fruit and shoot borer in Brinjal	M.K.Rout	100
Kendrapara	Paper	Nutritional security and management of farm	Tilottama Pattnaik	-

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		women		
Kendrapara	Paper	Local wisdom and health care practices by farm women in rural area of Kendrapara	Tilottama Pattnaik	
Kendrapara	Popular article	Zinc as essential micronutrient for crop production	The Orissa Review, P.K. Samant	-
Kendrapara	Popular article	Namuna Mati Sanghaha Pranali		500
Kendrapara	Paper	Improved package of practices for groundnut cultivation	P.K. Samant	50
Kendrapara	Paper	Role of micronutrients in sunflower production	World food day special edition (P-42-47) P.K. Samant	50
Kendrapara	Leaflet	Preparation of vermin-compost from water hyacinth	Krushi Sambad Govt. of Orissa, P.K. Samant	

(C) Details of Electronic Media Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number

4 Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Established

Year of establishment : 2004-05

1. List of equipments purchased with amount :

KVK Name	Name of the Equipment	Qty.	Cost
Kendrapara	Servo voltage stabilizer (7.5) KVA	1	13500/-
Kendrapara	Kelplus Automatic Nitrogen estimation system		
Kendrapara	Electronic automatic kelplus microprocessor based twenty place micro Block digestion system	1	121470/-
Kendrapara	Electronic acid neutralizer scrubber	1	51470/-
Kendrapara	Electronic kelplus micro processor based automatic nitrogen distillation system	1	156530/-

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Kendrapara	Electronic titration system for kelplus system	1	52000/-
Kendrapara	151280 U controller based flame photometer with filter (NA & K) & compressor & instrument	1	35200/-
Kendrapara	101661 U controller based vis spectrophotometer with digital W/L display (340-990 nm) instrument	1	30100/-
Kendrapara	Plant sample grinder/laboratory mill	1	8000/-
Kendrapara	Hot water bath	1	4000/-
Kendrapara	Horizontal shaker	1	11000/-
Kendrapara	Distilled water unit/still	1	7200/-
Kendrapara	Hot air oven	1	10500/-
Kendrapara	Laboratory contrifuge	1	9000/-
Kendrapara	Sieves (10 mesh)	1	700/-
Kendrapara	Sieves (60 mesh)	1	423/-
Kendrapara	Soil auger/sampling tube (screw/Tubescrew augur)	1	1700v
Kendrapara	Soil thermometer alongwith iron frame support	1	2712/-
Kendrapara	Microscope Olympus ML-m	1	17900/-
Kendrapara	Microscope Olympus MS-13	1	26890/-
Kendrapara	BOD incubator (low temperature) satyam	1	42000/-
Kendrapara	Micro processor based PH meter, ESICO (EI)	1	10200/-
Kendrapara	Conductivity meter ESICO(EI)	1	10200/-
Kendrapara	Refrigerator Godrej -165 lit. Ordinary	1	9200/-
Kendrapara	Electronic top pan balance (420 gm)	1	95000/-
Kendrapara	Electronic physical balance (50 gm-1 kg.)	1	4500/-
Kendrapara	Soil augur, tube augur	1	2850/-
Kendrapara	Stirrer	1	8200/-
Kendrapara	Bouyoucos hydrometer with compatible motor	1	6500/-
Kendrapara	Hot plate	1	2520/-

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Kendrapara	Colony counter	1	4500/-
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2. Details of samples analyzed so far:

KVK Name	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Kendrapara	Soil Samples	409	380	15	4935/-
Kendrapara	Water Samples	18	18	2	
Kendrapara	Plant Samples				
Kendrapara	Petiole Samples				

5 Production and supply of Technological products

SEED AND PLANTING MATERIALS

KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
	Cereals	Paddy	Lalat, Khandagiri, Swarna, Pooja, CR-1014,	S.D S. D S.D S.D S.D	26.393 13.0 48.1 13.5 29.0		42,317 23,345 79,700 22,950/- 49,300/-	90 15 6 9 20
	Pulses							
	Pulses							
	Oilseeds							
	Fibers							
	Spices							
	Plantation crops							
	Floriculture	Tube rose Marigold	Rajat rekha Ceracole	PM PM	600 30,00		300/- 1500/-	11 300
	Forest species							
	Fruits	Lemon	Kagzi lime	PM	26		390	26
	Ornamental crops							
	Vegetables	Chilli Brinjal Capsicum	Suprava Hazari Shanta	PM PM PM			905/- 585/- 315/-	50 20 25

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KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
		Papaya	CO-5, CO-6, Coorghoney dew	PM			1300/-	55
		Drumstick	PKM-1	PM			700/-	40
		Tomato	BT-12	PM			1500/-	65
		Cabbage	Gold star	PM			600/-	40
		Cauliflower	Snow ball	PM			600/-	40
		Pointed gourd	Swarna Alaukik	PM			4800/-	4
	Others							

SD – Seed; PM – Planting Material

6 Performance of instructional farm (Crops) including seed production

KVK Name	Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
						Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
	Cereals		6.7.09	3.11.09	1.8	Swarna	F.S	48.1	139036	217442	Profit Rs 78406/-
			13.07.09	1.11.09	1.15	Lalat	F.S	26.39			
			17.7.09	22.10.09	0.45	Khandagiri	F.S	13			
			6.7.09	16.11.09	1.15	CR-1014	F.S	29			
			15.7.09	10.11.09	0.45	Pooja	F.S	13.5			
	Cereals										
	Pulses										
	Pulses										
	Pulses										
	Pulses										
	Pulses										
	Oilseeds										
	Oilseeds										
	Fibers										
	Spices & Plantation crops										
	Floriculture										
	Fruits										
	Vegetables										
	Others (specify)										

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7 Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
	Vermicompost	570	10/-	4000/-	400 Kgs of vermicompost has been utilized for OFT purpose
	Earth worm				

8 Performance of instructional farm (livestock and fisheries production)

KVK Name	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
Kendrapara	Poultry bird	Semi intensive dual purpose colour bird	Chicken (kg) chicks (No.)	95.33 734	12,290	5400 14128	Rs. 7238/- profit

9 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	Client (PF/R/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/STParticipants		
					Male	Female	Total	Male	Female	Total
Kendrapara	17.12.09	Water management techniques for water harvesting structures	PF	1	25	-	25	2	-	2

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10 Utilization of hostel facilities

Accommodation available (No. of beds) : 20

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
							Farmers temporarily stayed in the hostel

11. Documentation of Innovative technologies at the district level

- Use of granular pesticide in paddy nursery 1 week before uprooting to avoid early stem borer attack.
- Use of weedicide (Butachlor) in direct sown upland paddy with the use of spreader o check weed menace.
- Use of post emergence herbicide Qizalfop-ethyl for jute weed control
- Introduction of scented rice(Pusa Basmati-1) for high yield over local basmati variety.
- Biofertiliser inoculation in non leguminous crops for better crop growth.
- Organizing youth entrepreneurship to take up profitable crop & non-crop enterprises.
- Emphasis on poultry, duckery and mushroom cultivation for women self-employment.
- Emphasis on staggered method of planting in marigold for year round production of flowers
- Application of liquid biofertilisers increases the yield of chilli
- Emphasis on seedling raising, floriculture and plantation crops such as coconut for self-employment
- Krushak sampark village visits for diffusion of latest farm and home messages.
- Pheromone trap for control of fruit & shoot borer in brinjal (water trap & leucine lure)

12. Some important success stories and case studies

Scientific Curative Measures save Potato crop in Rural Area

Science is the supremacy of human beings to use own wisdom and makes decisions. Scientific research and advancements in technology have revolutionized Indian agriculture to boost up production and productivity of crops since after independence. Still there are

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ample scope to utilise the available resources and accelerate the crop yield by using best package of practices of crops for sustainable agriculture and better livelihoods.

Bygone of Farmer

Farmer showing his problem with KVK Scientist Sri Nrusingha Chandra Das, a 42 year old man is the native of Kantia village which is 20 km away from Kendrapara district Headquarter. He is a progressive farmer having 3 acres of cultivable land. Every year he has been cultivating paddy followed by vegetable like potato. But due to poor knowledge on crop diseases, the crop yield reduced drastically. It weighed down the interest and financial benefit from crop production. Hence, every year the area under potato cultivation is gradually declining due to plant diseases. He was motivated by his friend to come up to KVK for possible solution.

Technology Dissemination

In the beginning of Rabi season he came to KVK, Kendrapara to know the scientific information and remedial measures of plant disease. He met scientists and discussed his difficulties. After discussion, Late blight of potato was identified by KVK scientists and they offered curative measures like seed treatment with Carboxin 37.5%+ Thiram37% @2gm and Streptocycline 0.015% i.e 0.15 gram per lt. of water. Foliar spraying of Metalaxyl 8% + Mancozeb 64% @2gm per lt. of water starting from the initial occurrence of the disease. Due to proper plant protection measures late blight of potato reduced to 5% from 30%, and simultaneously tuber rotting was controlled significantly.

Outcome after KVK scientific approach-----

- ❏ Cost of cultivation per acre is reduced to Rs. 13,800/-
- ❏ Yield increased from 30 qt to 100 qt per acre
- ❏ Net income increased up to Rs. 26,200/-
- ❏ Neighbor villagers showing interest on effectiveness of technology
- ❏ Now he is able to manage son's education
- ❏ Able to manage daughters marriage



AGARBATI MAKING: A REMUNERATIVE ENTERPRISE OF RURAL WOMEN

Even after six decades of independence, the rural population in Orissa does not find themselves in the mainstream of development across the state. The gender mainstreaming strategy has to go a long way and still has a lot to achieve in the upcoming years. Women Development Program has been started in the state with the objective of social, cultural, political and economic empowerment of women. A structured approach with defined focus on women's empowerment came with the launching of Mission Shakti 2001. Since then SHG approach

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remained the front runner in carrying forward the W & CD Dept. 's vision and mission to take the services to the rural women. Govt. have taken enormous initiatives to development of women in all spheres. But special emphasis was given on farm based and non-farm (IGAs) based micro enterprises.

Initiative taken by KVK-----

Smt. Kanchana Mohapatra is a villager of Jajanga having no land. But she is managing her family with much difficulty. She was selected by Krishi Vigyan Kendra, Kendrapara for its on-going vocational training programme. After training need assessment, a training module was designed for farm women on Agarbati making. After training programme, they were motivated to form a Self Help Group. In the year 2007, they formed a WSHG named as Shakti SHG. Later, KVK scientists extended their support and provided training on mixing of raw material, preparation of dough, rolling of stick, addition of scent, drying of sticks in shade, packaging and marketing of the product.

Journey after Training-----

After series of training, Smt. Kanchan Mohapatra of Shakti SHG has become a master trainer for other rural women and dropout girls. Subsequently, she received a financial assistance of Rs.3,00,000/- from Khadi Board and NABARD for training rural youth. She has trained 25 WSHG members and now she has established one unit at her home. She is collecting incense stick from other groups and selling about 10 qt. Agarbati stick in every month. She has taken the entire responsibility of marketing and also participates in different *mela* & exhibition through DIC and block.

Outcome after Journey-----

- She became a master trainer for rural youth
- Now her annual income moved up to Rs. 1,40,000/-
- She repaired her house semi-pucca to pucca house.
- She furnished her house with TV, phone and other essential commodities
- Her further aspiration is to receive training from KVK on value added products from mushroom and medicinal plant.
- Flourish her current trade within state and outside state



13. Well labeled Photographs for each activity of the KVK (Soft copies as well as hard copy- specially for all OFT along with the problem) Attached

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