ANNUAL PROGRESS REPORT

April 2014 to March 2015

Contents

Sl. No.	Particular	Page No
	Instructions for Filling the Format	
	Summary of KVK Annual Report (Quantifiable Achievement) for the year 2014-15	
1	General Information	
2	On Farm Testing	
3	Achievements of Frontline Demonstrations	
4	Documentation of the need assessment conducted by the KVK for the training programme	
5	Training programmes	
6	Extension Activities	
7	Literature Developed/Published (with full title, author & reference)	
8	Production and supply of Technological products	
9	Activities of Soil and Water Testing Laboratory	
10	Rainwater Harvesting	
11	Utilization of Farmer Hostel facilities	
12	Utilization of Staff Quarter facilities	
13	Details of SAC Meeting	
14	Status of Kisan Mobile Advisory	
15	Status of Convergence with agricultural schemes	
16.	Status of Revolving Funds	
17.	Awards & Recognition	
18.	Details of KVK Agro-technological Park	
19.	Farm Innovators	
20.	KVK interaction with progressive farmers	
21.	Outreach of KVK	
22.	Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize	
23.	KVK Ring	
24.	Important visitors to KVK	
25.	Status of KVK Website	
26.	Status of E-connectivity	
27.	Status of RTI	
28.	Status of Citizen Charter	
29.	Attended HRD activities organized by ZPD	
30.	Attended HRD activities organized by DES	
31.	Attended HRD activities by KVK Staff	
32	Agri Alert report	
33.	Details of Technological Week Celebration	
34.	Interventions on Drought Mitigation	
35.	Proposal of NICRA	
36.	Proposed works under NAIP	
37.	Case study / Success Story to be developed	
38.	Action Photographs	

Instructions for Filling the Format

1. **Do not change/modify/ delete any column of any of the table. However, additional rows can be created, if required.**
2. **Do not merge columns, rows.**
3. **Please repeat the name of KVK in each table in the column "Name of KVK"**
4. **Do not fill the non-numerical values in numeric field**
5. **Do not repeat the unit while reporting data as it is already mentioned in the heading row**
6. **Strictly fill the data in desired unit only. If it is reported in other unit, convert it in the desired unit**
7. **Please mention only standard English names of crops (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)**
8. **Additional relevant information may be provided at the end of Format by creating heading "Additional Information"**
9. **Also read the instructions mentioned just below the table**
10. **Your suggestions for improvement in the format for your simplicity as well as data compilation may be given at the end of the format**
11. **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.**
12. **Gray color cells in summary table need not to be filled.**
13. **Crop name should be spelled correct and standard English name should be used i.e Cereals, Pulses, Oilseed:- Rice (not use Paddy), Wheat, Barley, Kodo, Kutki, Maize, Jwar, Bajra, Pigeon pea (not use Tur, Arhar, Red gram), Blackgram (not use Urd), Greengram (not use Moong/Moongbean), Chickpea (not use Horse gram, Gram, Chana), Field pea, Horse gram (Kulthi), Lentil, Mustard (not use Rai, Sarsoan), Soybean, Linseed, Groundnut, Sesame (not use Til), Niger (not use Ram Til), Safflower (not use Kusum).**
    Vegetable :- Vegetable pea, Bottle guard, Bitter guard, Okra (not use Bhindi or Ladies finger).
    Fruits :- Mango, Guava, Custard apple, Pear etc.
    Spices :- Black Peeper, Turmeric, Ginger, Cardamom etc.

REPORTING PERIOD – April 2014 to March 2015

Summary of KVK Annual Report (Quantifiable Achievement) for the year 2014-15

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
1	**On Farm Testing**			
	Proposed OFT	21	173	
	On Going OFT	02	18	
	Technologies assessed (Completed OFT)	19	155	
	Technologies refined	00	00	
	On farm trials conducted	21	173	
2	**Frontline demonstrations**			
	Proposed Frontline demonstrations	20	180	
	On Going Frontline demonstrations- completed	20	180	
	FLDs conducted on crops	08	80	
	Area under crops (ha.)	15.45	80	
	FLD on farm implement and tools	04	40	
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	00	00	
	FLD on Fisheries - Finger lings	04	20	
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)	01	10	
	FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)	03	30	
3	**Training programmes**	**No. of Course**	**Duration (days)**	**Participants**
	Farmers	43	54	1075
	Farm women	16	16	400
	Rural youth	09	18	220
	Extension personnel/ In service	07	13	173
	Vocational trainings	06	42	60
	Sponsored Training	01	02	50
	Total	**82**	**145**	**1978**
		No. of programmes	**Participants**	
4	**Extension Programmes**	995	7305	
5	**Production of technology inputs etc**	**Qty**	**Beneficiaries (nos.)**	
	Seed (qt.)	740.0		
	Planting material produced (nos.)	1,67,287		
	Mushroom Spawn (nos.)	3,200		
6	**Livestock**	**Qty**	**Beneficiaries (nos.)**	
	Livestock strains (Nos)			
	Milk Yield - Cow, Buffalo etc. (in liter)			
	Fish (Kg.)			
	Fingerlings (nos.)	2,12,000	90	
	Poultry-Eggs (nos.)			
	Ducks (nos.)			

	Chicks etc. (nos.)	8,482	410
7	**Bio Products**	**Qty**	**Beneficiaries (nos.)**
	Bio Agents -Earth worm (Kg.)		
	Trichoderma (kg.)		
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	1,000	
	Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)		
8	**Any other significant achievement in the Zone**	**Nos.**	**Participants/ beneficiaries**
	Award (Best KVK award and scientist and farmer's award)		
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)	90	
	KVK News letter	04	
	SAC Meetings conducted	02	39
	Soil sample tested	72	72
	Water sample tested	30	30
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)		
	KVK-KMA (Message and beneficiaries)	79	2137
	Convergence programmes	01	250
	Sponsored programmes	01	50
	KVK Progressive Farmers interaction	02	100
	No. of Technology Week Celebrations	01	538
	Attended HRD activities organized by ZPD	02	
	Attended HRD activities organized by DES	05	
	Attended HRD activities by KVK Staff (Refresher /Short course, Training programme etc.)		
9	Current status of Revolving Funds (Amt. in Rs.)		5,51,894/-
10	Outreach of KVK in the District	**No. of blocks**	**No. of villages**
		14	446
11	No. of important visitors to KVK (nos.)	**ICAR**	**SAU** / **Others**
		01	03 /
12	Status of KVK Website	**Working (Yes/No)**	**No. of Update**
		Yes	19
13	Status of RTI (nos.)	**Application received**	**Application disposed**
		00	00
14	Citizen Charter (nos.)	**Query received**	**Query dissolved**
		286	286
15	E-connectivity	**Working (Yes/No)**	**No. of programme viewed**
		No	Nil
16	Staff Position	**Filled**	**Vacant**
		12	04
17	Workshop/ Seminar/ Conference attended by staff of KVK (nos)	21	
18	Publication received from ICAR /other organization (nos.)	36	
19	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)	**Particulars**	**Organization**
		Mango shoot gall psylla	CHES, Bhubaneswar

GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs on March, 2015

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Mayurbhanj	16	1	0	6	6	3	1	6	5	16	12

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Per./ Temp.	Category
Mayurbhanj	Programme Coordinator	VACANT								
Mayurbhanj	Subject Matter Specialist1	Sri Jagannath Patra (I/C)	Agriculture Extension	M.Sc.(Ag.)	Extension Education	15600 -39100	22220/-	18.07.2005	Permanent	OBC
Mayurbhanj	Subject Matter Specialist2	Dr. Sanghamitra Pattnaik	Horticulture	Ph.D. (Hort.)	Floriculture	15600 -39100	22220/-	10.01.2006	Permanent	Gen
Mayurbhanj	Subject Matter Specialist3	Dr. Debasis Mishra	Plant Protection	Ph.D.	Plant pathology	15600 -39100	19050/-	01.01.2010	Permanent	Gen
Mayurbhanj	Subject Matter Specialist4	Sri Deeepak Kumar Mohanty	Farm machinery	M.Tech. (Ag. Engg.)	Farm Machinery and Power	15600 -39100	22220/-	11.03.2005	Permanent	Gen
Mayurbhanj	Subject Matter Specialist5	Sri Biswa Ranjan Samantaray	Fishery Sc.	M.F.Sc	Inland Aquaculture	15600 -39100	22220/-	12-01-2006	Permanent	Gen
Mayurbhanj	Subject Matter Specialist6	Ms .Dharitri Patra	Home Science	M.Sc. (Home Science)	Food science and nutrition	15600 -39100	22220/-	19.01.2005	Permanent	Gen
Mayurbhanj	Programme Assistant	VACANT								
Mayurbhanj	Farm Manager	vacant								
Mayurbhanj	Computer Programmer	Sri Sanjay Kumar Barik	Computer Science	DOEACC, "O/A", MCA	VB & Oracle	9300-34800	14670/-	11.07.2005	Permanent	OBC
Mayurbhanj	Accountant / superintendent	VACANT								
Mayurbhanj	Stenographer	Sri Raghunath Pati	Arts	Master in Arts	Public Administration	5200-20200	7270/-	16.10.2006	Permanent	Gen
Mayurbhanj	Driver	Sri Pradipta Kumar Biswal				5200-20200	6860/-	25.07.2007	Permanent	OBC
Mayurbhanj	Driver	Sri Bikram Keshari Behera				5200-20200	6350/-	18.07.2008	Permanent	OBC
Mayurbhanj	Supporting staff	Sri Dinabandhu Swain				4440-14440	5790/-	20.12.2007	Permanent	OBC
Mayurbhanj	Supporting staff	Sri Harihar Pradhan				4440-14440	5790/-	22.12.2007	Permanent	OBC

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

KVK Name	Agro-climatic zone	No. of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Mayurbhanj	North central plateau	26	382	25,14,000	63.98 %	16,64,258	8,96,847	0.38 ha

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

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Mayurbhanj	Belam	2014	Badasahi	24 km	587	316
Mayurbhanj	Kansapal	2014	Bangiriposi	48 km	475	280
Mayurbhanj	Tarajudi	2013	Shamakhunta	20 km	250	124
Mayurbhanj	Jhalliamara	2012	Suliapada	30 km	375	63
Mayurbhanj	Kailash ChandraPur	2012	Baripada	18 km	1025	118
Mayurbhanj	Machhia	2009	Kaptipada	62 km	315	50
Mayurbhanj	Dabak	2009	Khunta	43 km	350	72
Mayurbhanj	Madhunanda	2009	Betnoti	55 km	430	63
Mayurbhanj	Baunsabilla	2006	Shamakhunta	09 km	2400	145
Mayurbhanj	Khandia	2006	Shamakhunta	13 km	1039	165

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

KVK Name	THRUST AREA
Mayurbhanj	Seed production programme in paddy & vegetables
Mayurbhanj	Aromatic rice cultivation
Mayurbhanj	Oilseed and pulse cultivation
Mayurbhanj	Off season & hybrid vegetable cultivation
Mayurbhanj	Organic Farming and Vermi-composting
Mayurbhanj	Farm Mechanization
Mayurbhanj	Cultivation of Fruit and development of orchards
Mayurbhanj	Bee keeping
Mayurbhanj	Mushroom cultivation
Mayurbhanj	Value addition of fruits & vegetables
Mayurbhanj	IPM and IDM in field crops and vegetables
Mayurbhanj	Nutritional garden
Mayurbhanj	Soil reclamation and use of micro nutrients
Mayurbhanj	Micro-irrigation and use of plastic in agriculture
Mayurbhanj	Back yard poultry cultivation & Goatery
Mayurbhanj	Commercial pisiculture
Mayurbhanj	Commercial floriculture
Mayurbhanj	Entrepreneurship through nursery development

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

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Mayurbhanj	Low productivity due to improper planting techniques and water management in paddy	PRA, Group discussion	All blocks
Mayurbhanj	Low income and distress sale of paddy grains	PRA, Group discussion, Secondary data	All blocks
Mayurbhanj	Low yield for ruling varieties in paddy in medium land	PRA	All blocks
Mayurbhanj	Pest and disease management in paddy	PRA	All blocks
Mayurbhanj	Weed problem in upland and medium land paddy	PRA	All blocks
Mayurbhanj	Improper plant population and more cost in weeding on paddy	PRA, Group discussion	All blocks
Mayurbhanj	Low level of mechanization	PRA, Group discussion	All blocks
Mayurbhanj	Improper management of water for irrigation	Group discussion, Secondary data	All blocks
Mayurbhanj	Loss of quality and quantity of paddy grains due to faulty PHT	Group discussion, Secondary data	All blocks
Mayurbhanj	Low yield of oilseed and pulse crops due to unscientific method of cultivation and soil acidity	PRA, Group discussion	All blocks
Mayurbhanj	Low profit due to increase in cost of cultivation and unavailability of labors in time	PRA, Group discussion, Secondary data	All blocks
Mayurbhanj	Low yield of oilseed and pulse crops due to pest and diseases	PRA, Group discussion	All blocks
Mayurbhanj	Unavailability of quality composts	PRA, Group discussion	All blocks
Mayurbhanj	Low return from maize cultivation	Secondary data	All blocks
Mayurbhanj	Low productivity from vegetables due to pest & diseases	PRA, Group discussion	All blocks
Mayurbhanj	Low productivity and return from fruits	PRA, Group discussion	All blocks
Mayurbhanj	Low productivity and return from traditional suckers	PRA, Group discussion	All blocks
Mayurbhanj	Low productivity and return from tuber crops	Group discussion, Secondary data	All blocks
Mayurbhanj	Low return from fruits and vegetables	PRA, Group discussion, Secondary data	All blocks
Mayurbhanj	Drudgery of farm women due to manual weeding and threshing	Group discussion, Secondary data	All blocks
Mayurbhanj	Unavailability of nutritious balanced diets to farm women	Group discussion, Secondary data	All blocks
Mayurbhanj	Low income of rural youth and farm women due to lack of Entrepreneurship	PRA, Group discussion	All blocks
Mayurbhanj	Low income of farm women due to improper animal rearing practices	PRA, Group discussion	All blocks
Mayurbhanj	Low output of livestock and fishery	PRA, Group discussion, Secondary data	All blocks
Mayurbhanj	Improper pre and post stocking management practices	PRA, Group discussion	All blocks
Mayurbhanj	Un utilization of small and seasonal ponds	PRA, Group discussion	All blocks
Mayurbhanj	Heavy loss and skimpy growth rate in Pisciculture practices	PRA, Group discussion	All blocks
Mayurbhanj	Under utilization of GP ponds	PRA, Group discussion, Secondary data	All blocks
Mayurbhanj	Disease occurrence leads to heavy mortality both in nursery as well as culture pond	PRA, Group discussion	All blocks

2. On Farm Testing

2.1 Information about OFT

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	No. of trials	Results (q/ha)				Net Returns (Rs./ha)				Recommendations
										FP (T_1)	RP (T_2)	T3	T4	FP (T_1)	RP (T_2)	T3	T4	
Mayurbhanj	2014	Kharif	Less yield up to 25% and low net return due to injudicious pest management in rice in 80 % areas	Assessment of non-chemical pest management package in rice	Assessment	Integrated pest management	Rice	Rainfed medium land	13	43.8	45.5			28150	31625			The low cost Indigenous non-chemical pest management techniques can be very well practiced in resource rich tribal areas
Mayurbhanj	2014	Kharif	Low yield of brinjal due to high level of little leaf disease incidence (up to 10 %)	Assessment of little leaf disease management in brinjal	Assessment	Integrated disease management	Brinjal	Irrigated upland land	13	125	158			147500	194500			A combination of suitable chemicals as well as mechanical method can be the only option for managing this disease
Mayurbhanj	2014	Kharif	Low yield due to high weed infestation in Shallow low and medium land rice ecosystem	Assessment of Integrated Weed Management in Direct Seeded Rice	Assessment	Integrated Weed Management	Rice	Rainfed Medium land	05	39.8	43.5	47	50.8	24500	28125	31500	35500	Application of post-emergence weedicide followed by one hand weeding after 15-20 days has maximum weed control efficiency & gives optimum yield
Mayurbhanj	2014	Kharif	High energy and labour requirement in puddling operation prior to mechanized transplanting in 10% areas and also low yield due to delay in land preparation & transplanting	Assessment of various crop establishment methods in rice by mechanical transplanter in rice based cropping system	Assessment	Resource conservation technology	Rice	Irrigated medium land	07	43.8	41.6	40.3		27630	28430	26025		Mechanized transplanting may be done in unpuddled condition
Mayurbhanj	2014	Kharif	Low productivity and return due to less potential yielding capacity of local cultivars in 85 % areas of banana plantation	Assessment of tissue culture banana varieties	Assessment	Varietal Substitution	Banana	Irrigated up/medium land	05									Continuing
Mayurbhanj	2014	Kharif	Less income from mono-cropping of mango in 95% of area	Assessment of pineapple intercropping inside mango orchards	Assessment	Intercropping	Mango-pine apple	Rainfed and irrigated upland	13									Continuing
Mayurbhanj	2014	Kharif	Heavy mortality of fish spawn	Assessment of cobalt	Assessment	Small scale income	Enterprise	Rainfed	05					98500	137500			Application of cobalt chloride increases 44%

				chloride for increasing spawn survivability		generation												in spawn survivability
Mayurbhanj	2014	Kharif	Frequent occurrence of parasitic bacterial and fungal diseases in fish culture tanks causing heavy mortality of fish and decrease in fish yield	Assessment of water probiotics (UNI-ECOSENSE) in biological control of fish diseases	Assessment	Fish Disease Management	Enterprise	Rainfed	05	17.8	22.5			80520	139400			By use of water probiotics (UNI-ECOSENSE) the production increases 28.09 % as well as the survivability increases 64.15%
Mayurbhanj	2014-15	Rabi	Low yield due to high incidence of yellow vein mosaic disease and low net return due to improper selection of chemicals	Assessment of YMV disease management in Okra	Assessment	Integrated disease management	Okra	Irrigated up and medium land	13	78	120			76500	137000			Application of optimum dose of fertilizers and suitable chemicals for controlling the vector, the disease can be well managed in high pressure areas
Mayurbhanj	2014-15	Rabi	Low yield due to nematode infestation in pointed gourd	Assessment of Integrated management of root-knot nematodes in pointed gourd	Assessment	Integrated pest management	Pointed gourd	Irrigated up land	13	85	126			112000	190000			Rhizosphere disinfestations by bio-control agents and root treatment with suitable chemical can protect the crop from pathogenic nematodes
Mayurbhanj	2014-15	Rabi	Low net return (upto 15%) in traditional method of sowing of groundnut due to high cost of cultivation, more labour and time requirement in about 90% areas of cultivation	Assessment of power tiller drawn multi-crop seed cum fertilizer drill for sowing groundnut in rice-groundnut cropping system	Assessment	Farm machineries	Groundnut	Irrigated medium land	05	19.6	20.9			38320	45231			Power tiller operated multi-crop seed cum fertilizer may be used for sowing groundnut
Mayurbhanj	2014-15	Rabi	low yield of rice due to uneven plant population and high cost of cultivation in manual transplanting in 80% areas of cultivation	Assessment of bullock drawn drum seeder in rice cultivation	Assessment	Farm machineries	Rice	Irrigated medium land	13	46.2	45.5			28850	31658			Bullock drawn drum seeder may be popularized in tribal areas for minimizing the cost of cultivation of resource poor farmers
Mayurbhanj	2014-15	Rabi	Low yield and slow growth of tomato plant due to water stress causing yield loss	Assessment of plastic mulch in tomato cultivation in rice-vegetable	Assessment	Resource conservation technology	Tomato	Irrigated medium/ up land	05	188	284			61550	99000			Plastic mulching may be adopted in Tomato cultivation to reduce water requirement and manage weed

			upto 30% during Rabi along with high weed infestation	cropping system														infestation
Mayurbhanj	2014-15	Rabi	Farmers are reluctant to apply costly Potassic (K_2O) and Phosphoric fertilizers	Assessment of Integrated Nutrient Management in Pointed Gourd in rice-vegetable cropping system	Assessment	Integrated nutrient management	Pointed Gourd	Irrigated Upland	07	174	165	155		162800	154000	144500		Application of Nutrients from organic as well as inorganic sources don't significantly lower the yield, however it becomes practicable for the farmers at the time of fertilizer scarcity
Mayurbhanj	2014-15	Rabi	Low market value of chilli in peak period of harvesting	Assessment of Capsicum hybrid "Indo American Bharat"	Assessment	Production of low volume and high value crop	Capsicum	Irrigated Medium land	13	110	207			111000	245500			As compared to chili, the cultivation of capsicum may double the income of the farmers in the same cropping season
Mayurbhanj	2014-15	Rabi	Low yield due to traditional variety	Assessment of water melon varieties	Assessment	Varietal substitution	Water melon	Irrigated medium land	05	260	284	308	386	70000	77600	85200	112400	Variety Madhubala is the best suited variety in the district
Mayurbhanj	2014-15	Rabi	Low fish yield due to diets lacking of adequate levels of vitamin and minerals	Assessment of Vitamin and mineral premix with traditional feed on increasing fish yield	Assessment	Production Management	Enterprise	Rainfed	05	17.4	22.6			81000	111300			By use of vitamin mineral premix in the traditional feed the production increases by 29.8%
Mayurbhanj	2014-15	Rabi	Low fish yield due to heavy infestation of algal bloom and algal mat cover in fish pond	Assessment of cattle urine in controlling algal bloom in fish pond	Assessment	Production Management	Enterprise	Rainfed	05	17.8	20.5			30600	80800			By application of cattle urine the algal bloom can biologically and also helps in increase in fish yield to15%.

2.2 Economic Performance

KVK name	OFT Title	Parameters					Average Cost of cultivation (Rs/ha)				Average Gross Return (Rs/ha)				Average Net Return (Rs/ha)				Benefit-Cost Ratio (Gross Return / Gross Cost)			
		Name and unit of Parameter	FP (T_1)	RP (T_2)	T_3	T_4	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	T_4	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	T_4	FP (T_1)	RP(T_2)	Refined Practice, if any (T_3)	T_4	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	T_4
Mayurbhanj	Assessment of non-chemical pest management package in rice	Stem borer incidence (%)	9.5	3.1			26600	25250			54750	56875			28150	31625			2.06	2.25		
		Leaf folder incidence (%)	16.6	5.2																		
		Case worm incidence (%)	11.3	3.3																		
		Stem borer incidence (%)	4.8	2.2																		
Mayurbhanj	Assessment of little leaf disease management in brinjal	Little leaf disease incidence (%) 40 DAT	13.6	3.8			40000	42500			187500	237000			147500	194500			4.69	5.58		
		Little leaf disease incidence (%) 70 DAT	25.2	6.2																		
Mayurbhanj	Assessment of Integrated Weed Management in Direct Seeded Rice	Weed Density (no./m2)	18.2	9.7	5.3	2.8	25250	26250	27250	28000	49750	54375	58750	63500	24500	28125	31500	35500	1.97	2.07	2.16	2.27
		Weed dry matter (g/m2)	11.6	5.2	2.1	1.2																
		Weed control efficiency (%)		55.17	81.90	89.66																
Mayurbhanj	Assessment of various crop establishment methods in rice by mechanical transplanter in rice based cropping system	Field capacity (ha/h)	0.12	0.112	0.107		27120	23570	24350		54750	52000	50375		27630	28430	26025		2.02	2.21	2.07	
		Cost of transplanting (Rs./ha)	2811	3012	3153																	
		Labour requirement (Man-days/ha)	5.56	5.95	6.23																	
		Field efficiency (%)	85	80	84																	
Mayurbhanj	Assessment of tissue culture banana varieties	Continuing																				
Mayurbhanj	Assessment of pineapple intercropping inside mango orchards	Continuing																				
Mayurbhanj	Assessment of cobalt chloride for increasing	Survibility (%)	25	36			59200	65500			157700	203050			98500	137500			2.6	3.1		

	spawn survibility																						
Mayurbhanj	Assessment of water probiotics (UNI-ECOSENSE) in biological control of fish diseases	Survibility (%)	53	87			73200	81500			153720	220050			80520	139400			2.1	2.7		
		Occurrence of diseases (nos)	131	48																		
Mayurbhanj	Assessment of YMV disease management in Okra	Disease incidence (%)	20	3			40500	43000			117000	180000			76500	137000			2.89	4.19		
		Disease incidence (%)	43	5																		
Mayurbhanj	Assessment of Integrated management of root-knot nematodes in pointed gourd	Disease incidence (%)	37	4			58000	62000			170000	252000			112000	190000			2.93	4.06		
		No. of galls/root	31.3	2.9																		
		Gall Index	4.03	1.96																		
Mayurbhanj	Assessment of power tiller drawn multi-crop seed cum fertilizer drill for sowing groundnut in rice-groundnut cropping system	Field capacity (ha/h)	0.025	0.16			24400	21649			62720	66880			38320	45231			2.57	3.09		
		Labour requirement (Man-days/ha)	26.67	1.04																		
		Labour savings (Man-days/ha)	25.63 (96%)																			
		Time requirement (hrs/ha)	40	6																		
		Time savings (hrs/ha)	34 (84%)																			
		Cost of sowing (Rs./ha)	4653	1902																		
		Cost savings (Rs./ha)	2751 (59%)																			
		Field efficiency (%)		78																		
Mayurbhanj	Assessment of bullock drawn drum seeder in rice cultivation	Field capacity (ha/h)	0.06	0.18			2890	25217			57750	56875			28850	31658			2.0	2.26		
		Labour engaged	1 labour	2 labour																		
		Labour requirement (Man-days/ha)	33.34	0.93																		
		Labour savings (Man-days/ha)	32.41 (97%)																			
		Time requirement (hrs/ha)	17	16																		
		Time savings (hrs/ha)	11.6(66%)																			
		Cost of transplanting (Rs./ha)	4200	567																		
		Cost savings	3633(86%)																			

		(Rs./ha)																					
		Field efficiency (%)		71																			
Mayurbhanj	Assessment of plastic mulch in tomato cultivation in rice-vegetable cropping system	Irrigation interval (days)	15	07			51250	71400			112800	170400			61550	99000			2.20	3.28		
		Irrigation interval reduction (days)	08 (53.34 %)																			
		Weed dry weight (q/ha)	17.6	2.8																		
		Weed reduction	14.8 (84%)																			
Mayurbhanj	Assessment of Integrated Nutrient Management in Pointed Gourd in rice-vegetable cropping system	Nos. of fruits/plant	76	70	66		46000	44000	41500		208800	198000	186000		162800	154000	144500		4.54	4.5	4.48	
		Avg. fruit weight (gm)	29.3	30.8	31																	
Mayurbhanj	Assessment of Capsicum hybrid "Indo American Bharat"	Plant height (cm)	88	65			54000	65000			165000	310500			111000	245500			3.05	4.77		
		Nos. of fruits/plant	270	10																		
		Wt. of fruits/plant (gm)	650	1100																		
Mayurbhanj	Assessment of water melon varieties	Days to flowering	35	30	33	32	34000	36000	38000	42000	104000	113600	123200	154400	70000	77600	85200	112400	3.05	3.15	3.2	3.67
		Fruits/plant	2	5	7	9																
Mayurbhanj	Assessment of Vitamin and mineral premix with traditional feed on increasing fish yield	SGR	1.3	1.9			39600	58500			120600	169800			81000	111300			2.2	2.9		
		Average monthly fish growth (gm)	80	110																		
Mayurbhanj	Assessment of cattle urine in controlling algal bloom in fish pond	Bloom control efficacy(1mx1m)	75	87			37300	47800			67900	128600			30600	80800			1.8	2.6		

2.3 Information about Home Science OFT:

KVK Name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/ Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendations
Mayurbhanj	2014-15	Rabi	Low yield from *P.sajarcaju* during later part of winter due to low temperature	Assessment of Oyster Mushroom *Hypsizygous ulmarius*	Assessment	Income generation.	Cutting of straw into 2inch,soaking for 8-10 hr, and sterilization, spawning of mushroom bed in alternate with straw upto 21 inches in 3 layers	Bluish grey in colour,Average fruit body weight 31 gm Biological efficiency 103% with fleshy in taste	Enterprise	13	Average fruit size is 8.5 cm 46gm in weight and fleshy in nature
Mayurbhanj	2014-15	Rabi	High drudgery and more time requirement as well as lower efficiency on manual lifting of water from open well for small scale irrigation in backyard	Assessment of treadle pump for small scale irrigation	Assessment	Location specific drudgery reduction/Farm machineries	Pedaling system- A pair of 6 ft long bamboo pedals used to leverage up & down movement, Construction material- CRC (Cold Rolled Coil) sheet & mild steel	Weight-6kg, Maximum flow-4500 liter/hr, maximum suction lift- 8 meter, Operates easily with 35-40 Kg operator's body weight	Farming	5	Less effort is required for lifting in case of foot operated pump.
Mayurbhanj	2014-15	Rabi	Low return from trash fishes due to distress sale and spoilage as these are highly perishable. Higher content of impurities and poor keeping quality in cases improper drying	Assessment of Fish drying by low cost solar dryer	Assessment	Value addition	Fish drying by LCSD of size 92 cm x 75 cm Drying chamber tray size of 70 cm x 50 cm size. UV stabilized 200 micron plastic film is used for collection of solar energy	It reduces the processing losses during the drying and retains the quality of dried	Enterprise	5	Solar dryer is suitable for domestic drying up to 10kg capacity. Salted fish dried inside the solar dryer were found to be better compared to unsalted fish for its colour and texture.

2.4 Economic Performance Home Science OFT:

KVK name	OFT Title	Performance Indicator / Parameter																					
		Output lt/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Mayurbhanj	Assessment of Oyster Mushroom *Hypsizygous ulmarius*	-	-	-	-	-	-	-	-	-	-	20kg /10 bed	28.5kg /10bed	400/unit	400/ unit	1200 /unit	2010 /unit	--	--	800 /unit	1610/ Unit	810	5.02
Mayurbhanj	Assessment of treadle pump for small scale irrigation	420	3210	11.63	10.36	128	120		11		664	-	-	-	-	-	-	-	-	-	-	-	-
Mayurbhanj	Assessment of Fish drying by low cost solar dryer											Wt Reduction % 37	Wt Reduction % 45.15	Drying time 72 hr	Drying time 51hr	Moisture content% 14.68	Moisture content% 16.65						

2.5 Feedback from KVK to Research System

Name of KVK	Feedback
Mayurbhanj	Power tiller operated multi-crop seed cum fertilizer drill should have attachment facilities to all make and models of power tiller
Mayurbhanj	Manual drawn drum seeder should be made where the bullocks are not available for sowing sprouted rice seeds in puddled condition.
Mayurbhanj	Effective non-chemical pest and disease management schedules should be developed for various field and vegetable crops.

3. Achievements of Frontline Demonstrations

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
Mayurbhanj	Papaya	Varietal replacement	Varietal substitution with Gynodioecious papaya variety "Red Lady"	Training, Field day, group discussion, leaf let, radio talk, mobile SMS	54	240	350
Mayurbhanj	Cabbage	Offseason vegetable cultivation	Off-season vegetable cultivation of cabbage hybrid "Zenith" in rainy season	Training, Field day, group discussion, leaf let, radio talk, mobile SMS	16	87	51
Mayurbhanj	Marigold	Export potential of ornamental flowers	Cultivation of high yielding marigold var. "Inca Orange	Training, Field day, group discussion, leaf let, radio talk, mobile SMS	12	58	48
Mayurbhanj	Pointed gourd	Production of low volume and high value crops	Cultivation of high yielding pointed gourd var. "Swarna Aloukik"	Training, Field day, group discussion, leaf let, radio talk, mobile SMS	22	78	36
Mayurbhanj	Rice	Integrated Pest Management	Management of Stem borer, Leaf folder and Case worm by application of entomophagus fungus *Beauveria basiana*	Training, Field day, group discussion, leaf let, radio talk, mobile SMS	34	146	72
Mayurbhanj	Rice	Integrated Disease Management	Demonstration of IDM practices in rice nurseries	Training, Field day, group discussion, leaf let, radio talk, mobile SMS	81	542	288
Mayurbhanj	Brinjal	Integrated Pest Management	Demonstration of IPM practices in vegetable nurseries	Training, Field day, group discussion, leaf let, radio talk, mobile SMS	73	344	112
Mayurbhanj	Cabbage	Integrated Pest Management	Demonstration of IPM practices in Brinjal	Training, Field day, group discussion, leaf let, radio talk, mobile SMS	44	188	119
Mayurbhanj	Rice	Farm machineries	Tractor operated rotavator for puddling	Training, group discussion, farmers fair	59	123	540
Mayurbhanj	Rice	Farm machineries	Self propelled 4 row walk behind rice transplanter	Training, group discussion, farmers fair	25	36	360
Mayurbhanj	Groundnut	Farm machineries	Tractor drawn seed-cum-fertilizer drill for sowing groundnut	Training, group discussion, farmers fair	44	48	250
Mayurbhanj	Groundnut	Farm machineries	Wheel cycle weeder for intercultural operation in groundnut	Training, group discussion, farmers fair	22	125	180
Mayurbhanj	Mushroom	Mushroom production	*Volveriella diplasia is* heat tolerant and can give more yield during extreme climatic condition and having attractive white color which fetches more price in the market	Training, group discussion, farmers fair	32	68	
Mayurbhanj	Cross Breed cow	Dairy management	Mineral supplementation at 1 month interval @ 30-50 g/calf	Training, group discussion, farmers fair	15	240	15
Mayurbhanj	Groundnut stripper	Drudgery reduction	Groundnut stripper	Training, group discussion, farmers fair	12	35	80

3.2 Details of FLDs implemented

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T_1)	RP (T_2)		SC	ST	Others	General	Total
Mayurbhanj	2014	Kharif	Integrated Pest Management	Alternate spraying with Thiomethoxam 25% WG @ 165 g/ha and Buprofezin 25 % SC @ 750 ml/ha at 15 days interval	Rice	Use of pesticides having non-resurgence effect for managing BPH	04	42.5	50.5	18.8	0	07	01	02	10
Mayurbhanj	2014	Kharif	Integrated Disease Management	Seed treatment with *Ps. fluorescence* @ 10g/kg; Seedling root dip with *Ps. fluorescence* @ 25g/lit Alternate spraying with Thiophanate methyl & Tebuconazole + Trifloxystrobin	Rice	Disease management by Bio-control and chemical methods	04	40.75	46.5	14.1	0	06	02	02	10
Mayurbhanj	2014	Kharif	Farm machineries	Weeding at 15, 30 and 45 DAT by Power paddy weeder in SRI method	Rice	Weeding and intercultural operation by power SRI paddy weeder in SRI method of rice cultivation	02	46.3	44.8	3.2	0	6	2	2	10
Mayurbhanj	2014	Kharif	Varietal Substitution	Cultivation of high yielding Sweet potato variety "Kishan"	Sweet Potato	Cultivation of high yielding Sweet potato variety "Kishan"	0.4	80	130	62.5	0	10	0	0	10
Mayurbhanj	2014	Kharif	Off-season vegetable cultivation	Cultivation of off-season cauliflower	Cauliflower	Cultivation of off-season cauliflower	1.0	150	125	-17	0	10	0	0	10
Marurbhanj	2014	Kharif	Small scale income generation	Fry-fingerling production in small and seasonal ponds	Nursery Rearing	Fry-fingerling production	0.2				0	5	0	0	5
Mayurbhanj	2014	Kharif	Production and management	Alum in controlling water turbidity in newly excavated pisciculture	Pisciculture	Application of Alum in controlling water turbidity	0.2	12.3	16.6	34.95	0	5	0	0	5
Mayurbhanj	2014-15	Rabi	Integrated Pest management	Installation of yellow sticky traps @ 25 nos./ha and Spraying of Thiomethoxam 25%WG @ 165 g/ha	Green Gram	Management of sucking pest vectors by mechanical and chemical methods	4.0	4.2	5.6	33.3	01	05	03	01	10
Mayurbhanj	2014-15	Rabi	Integrated Disease Management	Soil application with *Trichoderma viride* @ 2.5 kg/ha. and Spraying of Chlorothalonil @ 750g/ha.	Cucumber	Disease management by Bio-control and chemical methods	1.0	94.6	127.5	34.8	0	05	04	01	10
Mayurbhanj	2014-15	Rabi	Farm machineries	Line sowing of groundnut by bullock drawn plough planter	Groundnut	Sowing by bullock drawn plough planter	2.0	20.1	21.9	8.5	0	8	1	1	10

Mayurbhanj	2014-15	Rabi	Farm machineries	Line sowing of groundnut by tractor operated multi-crop Seed cum Fertilizer drill	Groundnut	Tractor operated multi-crop Seed cum Fertilizer drill	2.0	20.3	21.9	7.9	0	7	2	1	10
Mayurbhanj	2014-15	Rabi	Farm machineries	Line sowing of green gram by tractor operated multi-crop Seed cum Fertilizer drill	Green gram	Tractor operated multi-crop Seed cum Fertilizer drill	2.0	7.1	7.9	11.3	1	8	0	1	10
Mayurbhanj	2014-15	Rabi	Varietal Substitution	Planting with location specific and recommended potato variety "Kufri Surya",	Potato	Use of location specific cultivar of potato	1.0	190	234	23.1	1	9	0	0	10
Mayurbhanj	2014-15	Rabi	Protected cultivation	Size of tunnel 10x5 m , dome shape, use of locally available material such as bamboo, U.V stabilized polythene.	Vegetable	Use of low-cost poly-tunnels for raising vegetable seedlings	0.05	40000	100000	150	1	8	1	0	10
Mayurbhanj	2014-15	Rabi	Disease Management	Application of CIFAX in controlling EUS	Pisciculture	Application of CIFAX	0.2	16.4	19.8	20.73	0	5	0	0	5
Mayurbhanj	2014-15	Rabi	Fish production Management	Use of multi-micronutrient for increasing pond water productivity	Pisciculture	Application if multi micronutrient	0.2	16.4	21.4	30.48	0	5	0	0	5

3.3 Economic Impact of FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)
Mayurbhanj	Alternate spraying with Thiomethoxam 25% WG @ 165 g/ha and Buprofezin 25 % SC @ 750 ml/ha at 15 days interval	Rice	No. of insects/hill at booting	17	4	27000	28900	53125	63125	26125	34225	1.97	2.18
			No. of insects/hill at heading	31.3	2.9								
Mayurbhanj	Seed treatment with *Ps. fluorescence* @ 10g/kg; Seedling root dip with *Ps. fluorescence* @ 25g/lit Alternate spraying with Thiophanate methyl & Tebuconazole + Trifloxystrobin	Rice	SB incidence at 45 DAT (%)	5.8	1.9	27000	29000	50938	58125	23938	29125	1.89	2.00
			SB incidence at 65 DAT (%)	12.1	2.6								
Mayurbhanj	Weeding and intercultural operation by power SRI paddy weeder in SRI method of	Rice	Field capacity (ha/h)	0.012	0.13	27800	27280	57875	56000	30075	28720	2.08	2.05
			Labour engaged	1	2								

	rice cultivation		Labour requirement (Man-days/ha)	13.89	2.56								
			Labour savings (Man-days/ha)	11.33 (81%)									
			Time requirement (hrs/ha)	83	8								
			Time savings (hrs/ha)	75 (91%)	75 (91%)								
			Cost of sowing (Rs./ha)	2250	1630								
			Cost savings (Rs./ha)	620 (28%)									
			Field efficiency (%)	-	81								
Mayurbhanj	Cultivation of high yielding Sweet potato variety "Kishan"	Potato	No.of tubers/plant	03	06	22000	30000	64000	104000	42000	74000	2.9	3.46
			Diseases and pest incidence(%)	Sweet Potato Weevil(10%)	0								
Mayurbhanj	Cultivation of off-season cauliflower	Cauliflower	Curd quality Scale (1-10)-Med to good	6	5	20000	32000	90000	175000	70000	143000	4.5	5.46
			Curd Size (mm)	800	650								
Mayurbhanj	Fry-fingerling production in small and seasonal ponds	Nursery Rearing	Solvability (%)		61		37800		105840		68040		2.8
Mayurbhanj	Alum in controlling water turbidity in newly excavated pisciculture	Pisciculture	Turbidity(cm)	17	35	43000	52600	68800	99940	25800	47340	1.6	1.9
Mayurbhanj	Installation of yellow sticky traps @ 25 nos./ha and Spraying of Thiomethoxam 25%WG @ 165 g/ha	Green Gram	Mosaic incidence at 40 DAS (%)	13.8	2.2	8800	10500	16800	22400	8000	11900	1.91	2.13
			Mosaic incidence at 60 DAS (%)	23	5.5								
Mayurbhanj	Soil application with *Trichoderma viride* @ 2.5 kg/ha. and Spraying of Chlorothalonil @ 750g/ha.	Cucumber	DM severity at 35 DAS (%)	5	0	40800	42000	141900	191250	101100	149250	3.48	4.55
			DM severity at 55 DAS (%)	30	5								

Mayurbhanj	Sowing of groundnut by bullock drawn plough planter	Groundnut	Field capacity (ha/h)	0.025	0.042	24250	21839	64320	69760	40070	47921	2.65	3.19
			Labour requirement (Man-days/ha)	26.67	7.94								
			Labour savings (Man-days/ha)	18.73 (70%)									
			Time requirement (hrs/ha)	40	24								
			Time savings (hrs/ha)	16 (40%)									
			Cost of sowing (Rs./ha)	4693	2282								
			Cost savings (Rs./ha)	2411 (51%)									
			Field efficiency (%)	-	78								
Mayurbhanj	Line sowing of groundnut by tractor operated multi-crop Seed cum Fertilizer drill	Groundnut	Field capacity (ha/h)	0.025	0.32	24500	21481	64960	70080	40460	48599	2.65	3.26
			Labour requirement (Man-days/ha)	26.67	0.52								
			Labour savings (Man-days/ha)	26.15 (98%)									
			Time requirement (hrs/ha)	40	3								
			Time savings (hrs/ha)	37 (92%)									
			Cost of sowing (Rs./ha)	4653	1634								
			Cost savings (Rs./ha)	3019 (65%)									
			Field efficiency (%)	-	82								
Mayurbhanj	Line sowing of green gram by tractor operated multi-crop Seed cum Fertilizer drill	Green gram	Field capacity (ha/h)	0.31	0.38	13700	13554	35500	39500	21800	25946	2.59	2.91
			Labour requirement (Man-days/ha)	3.73	0.44								

			Labour savings (Man-days/ha)	3.29 (88%)								
			Time requirement (hrs/ha)	7	3							
			Time savings (hrs/ha)	4 (64%)								
			Cost of sowing (Rs./ha)	1521	1375							
			Cost savings (Rs./ha)	146 (10%)								
			Field efficiency (%)	80	82							
Mayurbhanj	Planting with location specific and recommended potato variety "Kufri Surya"	Potato	Tuber Size (gm)	80	105	65000	70000	152000	187200	87000	117200	2.33	2.67
			Disease and Pest incidence(%)	10	0								
Mayurbhanj	Raising of vegetable seedlings inside low cost poly-tunnel	Vegetable	Mortality (%)	40	4	8000	13500	20000	50000	12000	36500	2.5	3.7
			Duration (Days)	30	25								
			Growth rate	Stunted to poor	Good								
Mayurbhanj	Application of CIFAX in controlling EUS	Pisciculture	Mortality (%)	18	2.4	62000	71300	138000	206770	76000	135470	2.2	2.9
Mayurbhanj	Use of multi-micronutrient for increasing pond water productivity	Pisciculture	Plankton density(ml/50L)	1.8	2.9	41200	52700	97900	148700	56700	96000	2.3	2.8

3.4 Information about Home Science FLDs

KVK name	Year	Season	Thematic Area	Problem Identified	Technology to be Demonstrated as Solution to the Identified Problem	Crop/ Enterprise (In which crop Enterprise or Farming Activity)	Name of Variety/ Technology/ Entreprizes	Farming Situation	Proposed area (ha)	No. of Beneficiaries
Mayurbhanj	2014	Kharif	Storage loss minimization technique	Heavy insect damage during storage due to stored grain pest	Demonstration on use of TNAU trap for store grain paddy	Enterprise (Paddy)	Swarna	Rice-vegetable farming	1.0	10
Mayurbhanj	2014	Kharif	Drudgery reduction	High drudgery involvement in decortication process of mahua seeds with hand beating method by farm women during Rabi season	Decortication is made by manual Mahua seed decorticator	Enterprise (Mahua)	Mahua tree	-	50 nos of tress	10

Mayurbhanj	2014-15	Rabi	Drudgery reduction	Drudgery on manual transplanting in bending posture in puddled soil	Line sowing of pre-germinated paddy seed in puddled field, row to row distance-25 cm, operated by farm women	Enterprise (Paddy)	Four row manually drawn drum seeder	Paddy-pulse-vegetable	1.0	10
Mayurbhanj	2014-15	Rabi	Poultry management	Meat of Banaraja breed is not palatable and agreeable, so less accepted by the local consumers	Rearing of dual purpose high yielding poultry breed "Rainbow rooster"	Enterprise (Poultry)	Dual purpose high yielding backyard poultry rearing for income generation	Backyard poultry farming	200 nos of birds	10

3.5 Economic Performance Home Science FLDs:

KVK name	Technology to be Demonstrated	Performance Indicator / Parameter																					
		Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Production per unit		Cost of input		Incremental income		Yield (Kg/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Mayurbhanj	Demonstration on use of TNAU trap for store grain paddy											Storage loss % 30	Storage loss % 16	1166/-	1283/-	1750/- per qtl	2100/- per qtl			584	817	233	1.63
Mayurbhanj	Decortication is made by manual Mahua seed decorticator	1.75 Kg/hr	11.2 Kg/ hr	11.15	8.92	125	111		20		1020												
Mayurbhanj	Line sowing of pre-germinated paddy seed in puddled field, row to row distance-25 cm, operated by farm women	142	915	13.22	11.95	138	130		9.60		544												
Mayurbhanj	Rearing of dual purpose high yielding poultry breed "Rainbow rooster"											18.5 kg/3months (male) 16.2kg (female) Unit-20 birds	21.5 kg /3months (male) 19.6kg (female) Unit-20 Birds	1800/- per unit	1800/- per unit	5,552/- per unit	6576/- per unit			3,552 /unit	4,576 /unit	1024	T1-3.08 T2-3.65

3.6 Training and Extension activities under FLD

KVK Name	Crop/Enterprise	Activity	No. of activities organized	Number of participants	Remarks
Mayurbhanj	Rice	Training(F/FW, IS) , Field day	05	150	
Mayurbhanj	Green gram	Training(F/FW) , Field day	02	75	
Mayurbhanj	Groundnut	Training (F/FW)	01	25	
Mayurbhanj	Banana and Papaya	Training (F/FW)	01	25	
Mayurbhanj	Apiculture	Training (RY)	01	10	
Mayurbhanj	Bio-pesticides	Training (RY)	01	25	
Mayurbhanj	Sweet Potato	Training(F/FW), Field day	02	75	
Mayurbhanj	Cauliflower	Training(F/FW)	01	25	
Mayurbhanj	Nursery Rearing	Training(F/FW) , Field day	02	75	
Mayurbhanj	Pisciculture	Training(F/FW) , Field day	02	75	
Mayurbhanj	Green Gram	Training(F/FW)	01	25	
Mayurbhanj	Cucumber	Training(F/FW)	01	25	
Mayurbhanj	Potato	Training(F/FW), Field day	02	75	
Mayurbhanj	Vegetable	Training(F/FW & IS), Field day	11	325	
Mayurbhanj	Pisciculture	Training(F/FW)	01	25	
Mayurbhanj	Pisciculture	Training(F/FW)	01	25	
Mayurbhanj	Power SRI weeder	Training(F/FW)	01	25	
Mayurbhanj	Bullock drawn Plough planter	Training(F/FW) , Field day	02	75	
Mayurbhanj	Tractor drawn seed cum fertilizer drill	Training(F/FW), Field day	02	75	
Mayurbhanj	Demonstration of Drudery reducing technology-Mahua seed Decrticater	Training(FW), Rural youth (RY)	01	25	
Mayurbhanj	Demonstration of TNAU Trap	Training(FW)	01	25	
Mayurbhanj	Backyard poultry Rainbow Rooster	Training(FW)	02	50	
Mayurbhanj	Demonstration of Drudgery reducing technology- Four row manually drawn drum seeder	Training	01	25	

3.7 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	**Methodology used**	**Benefits of OFT/FLD**	**Future Adoption**
Mayurbhanj	The off-season cauliflower hybrid "DAWN-175" can be cultivated in the prevailing agro-ecological conditions	The methodology used is conventional, but transplanting is done in June-July with optimum drainage facilities.	Though yield is less, the return from market is very high and profit is more.	Where the possibility of cultivating the off-season vegetable prevails, the adoption rate is expected to be > 60% among the practicing farmers
Mayurbhanj	The high yielding Sweet Potato variety "Kishan" is well adopted in local condition when cultivated in Kharif season.	Substitution of local germplasms with Sweet potato var. "Kishan".	Higher productivity (37 % more) and resistant to sweet potato weevil. Red skinned variety "Kishan" fetched higher market price than the prevailing light skinned local germplasms.	Adoption rate is expected to be > 75 % among the practicing farmers due to Red skinned, high yielding, pest resistance variety.
Mayurbhanj	The chemical method for managing the devastating pest at the flowering and milking stage is viable in our condition	Alternate spraying with Thiomethoxam 25% WG @ 165 g/ha and Buprofezin 25 % SC @ 750 ml/ha at 15 days interval	Pest population was significantly lowered, which enhances the yield up to 19 %	Spraying at the booting as well as heading stages is a difficult proposition. Some granular pesticides should be recommended
Mayurbhanj	Integration of various viable methods for managing the devastating sheath blight disease can be very well adopted in our location	Seed treatment with *Ps. fluorescence* @ 10g/kg; Seedling root dip with *Ps. fluorescence* @ 25g/lit; Alternate spraying with Thiophanate methyl & Tebuconazole + Trifloxystrobin	Disease incidence can be lowered considerable by adopting the technology and the yield can be enhanced up to 14.1 %	Chemical control is bit expensive but manages the disease very effectively. However, some indigenous technologies may be recommended for effective management of the disease
Mayurbhanj	Mechanical trapping and chemical control of the vectors can be very well adopted in greengram	Installation of yellow sticky traps @ 25 nos./ha and Spraying of Thiomethoxam 25%WG @ 165 g/ha	Incidence of viral infected plants are considerably lowered and the yield was increased by 33%	The recommended technology can very well manage this devastating disease. However, resistant varieties can be more effective, but not available.
Mayurbhanj	Integration of biological and chemical methods are very much appropriate and viable in cucumber	Soil application with *Trichoderma viride* @ 2.5 kg/ha. and Spraying of Chlorothalonil @ 750g/ha.	Disease incidence was lowered and yield was increased by 34.8 %	The recommended technology can very well manages this disease in field conditions.
Mayurbhanj	Economically viable and sustainable for all SRI farmers by using Power SRI weeder	Operated simultaneously in two rows and used after 30, 45 and 60 DAP	Cost, labour and more importantly time saving	Popularization of the technology should be done on larger basis
Mayurbhanj	Economically viable and regionally applicable for small and medium ground nut farmers for sowing groundnut by bullock drawn plough planter	Attached the plough planter to any local plough used for making furrow for sowing groundnut	Cost and labour savings with higher yield	Trainings and more demonstrations are needed for efficient spread of the technology, Line department was intimated for its inclusion in the government subsidy programme for better adoption
Mayurbhanj	Economically viable for all tractor owner by using seed cum fertilizer drill for sowing groundnut	Multi-crop seed cum fertilizer drill for sowing groundnut, Well pulverized seed bed preparation, seed and fertilizer sown simultaneously	Cost and labour savings and proper seed bed for transplanting	Popularization of the technology should be done on larger basis
Mayurbhanj	Economically viable for all tractor owner by using seed cum fertilizer drill for sowing green gram	Multi-crop seed cum fertilizer drill for sowing green gram	Cost and labour savings with higher yield	Popularization of the technology should be done on larger basis
Mayurbhanj	Use of TNAU trap for store grains are very much viable and appropriate technology	2 nos. of traps are used in 50kg	Storage loss is reduced to 14%, Pest count is minimized	Popularization of the technology should be done on larger basis & traps should be available locally

Mayurbhanj	Drudgery reducing Manual Mahua seed Decorticator is very economical and viable	Decortication is made by manual Mahua seed decorticator developed by Dept. of PHT, CAET, OUAT in 2011	The productivity of women workers increased tremendously apart from safety from injury in hand.	Popularization of the technology should be done on larger basis
Mayurbhanj	Use of four row manually drawn drum seeder is economically viable	Line sowing of pre-germinated paddy seed in puddled field, row to row distance-25 cm, operated by farm women	1.Uniformity in seed sowing ,light in weight, easy to transport 2. Seed saving is achieved & due to line sowing mechanical weeding can be done.	Popularization of the technology should be done on larger basis
Mayurbhanj	Poultry breed Rainbow rooster can be very well reared in backyard conditions with ease	RD La Sota vaccine on 7th and 21st day, IBD vaccine on 14th and 28th day; 500 gms of starter feed during first 30 days	High demand on availability of chicks due to good marketability and low disease incidence	Meat quality is far better than Banaraja breed so popularization of the technology should be done on larger basis

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Mayurbhanj	More no of off season cauliflower varieties should be released and more no of trials should be conducted.
Mayurbhanj	Potato planting material should be available in time so that more no of trials should be conducted.
Mayurbhanj	More trial on mechanized transplanting in unpuddled conditions to be done in research field
Mayurbhanj	Provision for attachment of seed cum fertilizer drill to all power tiller should be fabricated
Mayurbhanj	Granular pesticides should be tested against BPH management as spraying is usually difficult at the later part of rice
Mayurbhanj	Effective ITKs should be developed for managing sheath blight in rice
Mayurbhanj	Tolerant varieties of green gram to Mungbean Yellow Mosaic disease should be developed or made available for early summer season

4. 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 to be involved
Mayurbhanj	F/FW	PRA study, problem identified and prioritization, root-cause analysis & SWOT analysis, gap analysis	13.05.2009 in Dabak; 15.05.2009 in Madhunanda; 30.06.2009 in Machhia, 11.06.12 in Kailashchandrapur; 23.06.12 in Jhaliamara, 15.04.13 in Tarajodi, 8.04.14 in Kansapal, 10.04.14 in Belam	288
Mayurbhanj	RY	Group discussion with the rural youth clubs and SHG members and analyzing secondary data from line department like women & CD department, horticulture department, banking officials.	16.10.09, 04.12.09, 18.04.14, 26.04.14, 4.05.14 On campus and line departments	115
Mayurbhanj	IS	Interview method and analysis of professional performance by group exercise	17.08.10, 18.08.10, 15.07.11, 24.06.12, 17.05.13 and 2.05.14	50

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

5. TRAINING PROGRAMMES

1. **Training programmes should be strictly covered under above mentioned thematic areas only,**
2. **For category, training type and thematic area, mention code/abbreviations only**

Table 5.1. Details of Training programmes conducted by the KVKs

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Mayurbhanj	FW	ONC	HOF	Package and practices of Papaya and Banana	01	02	0	0	0	0	25	0	0	0
Mayurbhanj	FW	ONC	HOV	Off season vegetable cultivation	03	06	0	0	0	0	75	0	0	0
Mayurbhanj	FW	OFC	HOF	Nursery raising techniques in vegetables	04	04	5	3	10	2	78	2	0	0
Mayurbhanj	FW	OFC	HOV	Package and practices of cucurbits	01	01	10	0	0	0	15	0	0	0
Mayurbhanj	FW	ONC	HOO	Commercial cultivation of flowers	01	02	0	0	0	0	25	0	0	0
Mayurbhanj	FW	OFC	HOF	Pruning and training in mango	01	01	1	0	0	0	24	0	0	0
Mayurbhanj	FW	OFC	HOV	Hormone and micro nutrient application in vegetables	01	01	0	0	0	0	25	0	0	0
Mayurbhanj	FW	OFC	HOF	Propagation techniques of Mango	01	01	0	0	0	0	25	0	0	0
Mayurbhanj	FW	OFC	HOV	Grading, sorting and packaging of vegetables	01	01	0	0	0	0	17	8	0	0
Mayurbhanj	FW	OFC	HOF	Planting techniques of tissue culture banana	01	01	22	3	0	0	0	0	0	0
Mayurbhanj	FW	ONC	PLP	IPM and IDM strategies in Rice	01	02	03	0	0	0	19	03	0	0
Mayurbhanj	FW	OFC	PLP	IPM strategies in off-season tomato and cucurbits	01	01	03	01	0	0	20	04	0	0
Mayurbhanj	FW	OFC	PLP	Soil disinfestations strategies in Kharif season	02	02	13	0	08	0	29	0	0	0
Mayurbhanj	FW	OFC	PLP	Management of fruit borer and sucking pests in Okra	01	01	25	0	0	0	0	0	0	0
Mayurbhanj	FW	OFC	PLP	Spraying technique in paddy cultivation	01	01	09	06	0	0	10	0	0	0
Mayurbhanj	FW	OFC	PLP	Sucking pest management in Okra, Brinjal, Tomato and Chilli	01	01	0	0	0	0	25	0	0	0
Mayurbhanj	FW	ONC	PLP	Plant protection technique in Arhar	01	01	01	0	0	0	16	08	0	0
Mayurbhanj	FW	ONC	PLP	Application of *Trichoderma viridae* in vegetable nurseries	01	02	13	01	0	0	11	0	0	0

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
				for disease management										
Mayurbhanj	FW	OFC	PLP	Seed treating chemicals and their use in vegetable cultivation	01	01	06	0	02	0	17	0	0	0
Mayurbhanj	FW	OFC	PLP	Management of fruit fly in Pumpkin	01	01	25	0	0	0	0	0	0	0
Mayurbhanj	FW	OFC	PLP	Management of fruit and shoot borer in Okra, Tomato, Brinjal and Chilli	01	01	22	0	0	0	03	0	0	0
Mayurbhanj	FW	OFC	PLP	Plant protection measures in Green gram	01	01	04	0	0	0	18	03	0	0
Mayurbhanj	FW	OFC	PLP	Plant protection measures in Groundnut	01	01	0	0	0	0	16	09	0	0
Mayurbhanj	FW	ONC	PLP	Management of various diseases in Banana and Papaya	01	02	10	0	0	0	13	02	0	0
Mayurbhanj	FW	ONC	PLP	Bio-pestsicides for controlling pests and diseases in vegetables crops	01	02	08	0	06	0	11	0	0	0
Mayurbhanj	FW	OFC	AEG	Water management in paddy cultivation	01	02	0	0	0	0	25	0	0	0
Mayurbhanj	FW	OFC	AEG	Summer ploughing and use of M.B. plough	01	02	0	0	0	0	25	0	0	0
Mayurbhanj	FW	OFC	FIS	Pre stocking management practices in fish farming	01	01	0	0	0	0	25	0	0	0
Mayurbhanj	FW	OFC	FIS	Pond based integrated farming	01	01	0	0	0	0	25	0	0	0
Mayurbhanj	FW	OFC	FIS	Use of multi micronutrient in fish farming	01	01	0	0	0	0	20	05	0	0
Mayurbhanj	FW	OFC	FIS	Biological control of fish diseases by application of probiotics	01	01	0	0	0	0	25	0	0	0
Mayurbhanj	FW	OFC	FIS	Control of algal bloom in fish pond	01	01	0	0	0	0	25	0	0	0
Mayurbhanj	FW	OFC	FIS	Control of of EUS (Fish ulcer) in fish farming	01	01	0	0	0	0	22	03	0	0
Mayurbhanj	FW	OFC	FIS	Post stocking management practices in fish farming	01	01	0	0	0	0	18	07	0	0
Mayurbhanj	FW	OFC	FIS	Poly culture of IMC with *M. rosenbergii*	01	01	0	0	0	0	25	0	0	0

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Mayurbhanj	FW	OFC	FIS	Water quality management in fish farming	01	01	0	0	0	0	25	0	0	0
Mayurbhanj	FW	OFC	FIS	Modern approaches for community based fish farming	01	01	0	0	0	0	22	03	0	0
Mayurbhanj	FW	OFC	WOE	Preparation of value added products from Mahua flowers	01	01	0	0	0	0	0	25	0	0
Mayurbhanj	FW	OFC	WOE	Laying out and planting different components of kitchen garden for a rural family	01	01	0	0	0	0	0	25	0	0
Mayurbhanj	FW	OFC	WOE	Preparation of low cost diet from the locally available cereals	01	01	0	0	0	0	0	25	0	0
Mayurbhanj	FW	OFC	WOE	Vaccination schedule for backyard poultry rearing	02	02	0	09	0	14	0	02	0	0
Mayurbhanj	FW	OFC	WOE	Weeding operations in vegetables by small women friendly tools	01	01	0	12	0	06	0	07	0	0
Mayurbhanj	FW	OFC	WOE	Cultivation of Paddy straw mushroom for additional income generation	01	01	0	0	0	13	0	12	0	0
Mayurbhanj	FW	OFC	WOE	Cultivation of milky mushroom for additional income generation	01	01	0	0	0	0	0	25	0	0
Mayurbhanj	FW	ONC	WOE	Preparation of value added products from lemon	01	01	0	02	0	02	0	21	0	0
Mayurbhanj	FW	OFC	WOE	Vaccination procedure in goats for deworming	01	01	0	02	0	0	0	23	0	0
Mayurbhanj	FW	ONC	WOE	Preparation of value added products from mushroom	01	01	0	0	0	0	0	23	0	02
Mayurbhanj	FW	OFC	WOE	Safety measures in groundnut decortication	01	01	0	06	0	0	0	19	0	0
Mayurbhanj	FW	OFC	WOE	Preparation of value added products from tomato	01	01	0	01	0	0	0	24	0	0
Mayurbhanj	FW	ONC	WOE	Cultivation of oyster mushroom in entrepreneurial	01	01	0	0	0	0	0	25	0	0

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
				basis										
Mayurbhanj	FW	OFC	WOE	Storing technique of paddy	01	01	0	06	0	11	0	8	0	0
Mayurbhanj	FW	OFC	WOE	Use of garden tools for vegetable cultivation	01	01	0	0	0	0	0	25	0	0
Mayurbhanj	RY	ONC	HOT	Commercialization of Tuber Crops	01	02	0	0	0	0	25	0	0	0
Mayurbhanj	RY	ONC	HOV	Seed production in vegetable crops	01	02	04	0	18	0	03	0	0	0
Mayurbhanj	RY	ONC	HOV	Hi-tech Horticulture and precision farming	01	04	0	0	0	0	10	0	0	0
Mayurbhanj	RY	ONC	PLP	Entrepreneurship development in Apiculture	01	04	02	0	0	0	08	0	0	0
Mayurbhanj	RY	ONC	PLP	Production of Neem oil cake and other bio-extracts in commercial basis	01	02	18	0	05	0	02	0	0	0
Mayurbhanj	RY	ONC	AEG	Nursery raising technique for mechanical transplanting and skill in operation of rice transplanter	01	10	03	0	01	0	05	0	01	0
Mayurbhanj	RY	ONC	AEG	Motor winding in water pump	01	10	0	0	0	0	10	0	0	0
Mayurbhanj	RY	ONC	AEG	Skill in operation of seed cum fertilizer drill and calibration of seed drill	01	10	08	0	01	0	02	0	0	0
Mayurbhanj	RY	OFC	FIS	Management practices fir increasing spawn survibility in nursery pond	01	02	0	0	0	0	25	0	0	0
Mayurbhanj	RY	OFC	FIS	Seepage control in seasonal nursery pond	01	02	0	0	0	0	19	06	0	0
Mayurbhanj	RY	OFC	FIS	Fry fingerling production in small seasonal ponds	01	02	0	0	0	0	25	0	0	0
Mayurbhanj	RY	OFC	FIS	Role of mineral mixture in increasing fish pond productivity	01	02	0	0	0	0	15	0	0	0
Mayurbhanj	RY	OFC	FIS	Preparation of farm made feed (Fish)	01	02	0	0	0	0	25	0	0	0
Mayurbhanj	RY	ONC	WOE	Mushroom production in	01	02	0	27	0	03	0	0	0	0

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
				entrepreneurial basis										
Mayurbhanj	RY	ONC	WOE	Preparation of value added products from sabai grass	01	04	0	06	0	01	0	03	0	0
Mayurbhanj	IS	ONC	PLP	IPM and IDM strategies in sustainable paddy cultivation	01	02	04	02	02	0	07	0	10	0
Mayurbhanj	IS	ONC	PLP	IPM and IDM in vegetable crops under changing climatic scenario	01	02	07	02	03	0	02	02	06	03
Mayurbhanj	IS	ONC	HOT	Advanced techniques in tuber crop cultivation	01	02	13	01	03	0	0	02	0	06
Mayurbhanj	IS	ONC	AEG	Farm mechanization in paddy cultivation with general maintenance in farm machineries	01	02	03	02	03	01	02	03	10	01
Mayurbhanj	IS	ONC	AEG	Farm mechanization in oilseed and pulse cultivation with general maintenance in farm machineries	01	02	03	02	07	01	05	02	04	01
Mayurbhanj	IS	ONC	WOE	Women friendly tools and equipments for drudgery reduction	01	02	0	11	0	01	0	05	0	07
Mayurbhanj	IS	ONC	FIS	Modern pisciculture techniques	01	01	10	0	08	0	06	0	0	0

Table 5.2. 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							
					Gen		SC		ST		Others	
					M	F	M	F	M	F	M	F
Mayurbhanj	Commercialization of Tuber Crops	Crop	Value addition of fruits & vegetables	02	0	0	0	0	25	0	0	0
Mayurbhanj	Seed production in vegetable crops	Crop	Seed production programme in paddy and vegetables	02	4	0	18	0	03	0	0	0
Mayurbhanj	Entrepreneurship development in Apiculture	Enterprise	Apiculture for income generation	04	2	0	0	0	8	0	0	0
Mayurbhanj	Production of Neem oil cake and other bio-extracts in commercial basis	Enterprise	Production of bio-pesticides for income generation	02	18	0	05	0	02	0	0	0

Mayurbhanj	Hi-tech Horticulture and precision farming	Enterprise	Hi-tech Horticulture and precision farming	04	0	0	0	0	10	0	0	0
Mayurbhanj	Nursery raising technique for mechanical transplanting and skill in operation of rice transplanter	Enterprise	Farm machinery	10	03	0	01	0	05	0	01	0
Mayurbhanj	Motor winding in water pump	Enterprise	Farm machinery	10	0	0	0	0	10	0	0	0
Mayurbhanj	Skill in operation of seed cum fertilizer drill and calibration of seed drill	Enterprise	Farm machinery	10	08	0	01	0	02	0	0	0
Mayurbhanj	Management practices fir increasing spawn survivability in nursery pond	Enterprise	Small Scale income generation	02	0	0	0	0	25	0	0	0
Mayurbhanj	Seepage control in seasonal nursery pond	Enterprise	Production management	02	0	0	0	0	19	06	0	0
Mayurbhanj	Fry fingerling production in small seasonal ponds	Enterprise	Small Scale income generation	02	0	0	0	0	25	0	0	0
Mayurbhanj	Role of mineral mixture in increasing fish pond productivity	Enterprise	Production management	02	0	0	0	0	15	0	0	0
Mayurbhanj	Preparation of farm made feed (Fish)	Enterprise	Production management	02	0	0	0	0	25	0	0	0
Mayurbhanj	Mushroom production in entrepreneurial basis	Enterprise	Mushroom production	02	0	27	0	03	0	0	0	0
Mayurbhanj	Preparation of value added products from sabai grass	Enterprise	Value addition	04	0	06	0	01	0	03	0	0

Table 5.3. 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 else where
		Type of units	Number of units	Number of persons employed	
Mayurbhanj	Nursery raising techniques in papaya and drumstick	Commercial	17	32	
Mayurbhanj	Preparation of value added products from tomato and lemon	Commercial	11	22	05
Mayurbhanj	Nursery raising technique in vegetables	Commercial	18	18	03
Mayurbhanj	Commercial cultivation of flowers	Commercial	10	18	
Mayurbhanj	Propagation techniques of Mango	Commercial	16	24	05
Mayurbhanj	Seed production in vegetable crops	Commercial	26	26	
Mayurbhanj	Hi-tech Horticulture and precision farming	Commercial	13	13	
Mayurbhanj	Entrepreneurship development in Apiculture	Commercial	268	28	
Mayurbhanj	Cultivation of mushroom in entrepreneurial basis	Commercial	32	32	06
Mayurbhanj	Preparation of value added products from sabai grass	Commercial	11	11	
Mayurbhanj	Entrepreneurship development through farm mechanization	Commercial	10	10	05
Mayurbhanj	Use, operation and maintenance of different farm machineries for reducing labour cost and cost economics of custom hiring	Commercial	12	12	05

Table 5.4. 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)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
Mayurbhanj	Protected cultivation	Precision farming		FW	02	01	12	0	10	0	09	0	19		DDH, Mayurbhanj	NIL

Table 5.5 Training Programmes for Panchayatiraj Institutions Office-bearers & members

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)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		

Table 5.6 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	
Mayurbhanj	Package and practices of Papaya and Banana	25	20	70	380	670	150000	269370	Area expanded (ha)- 23
Mayurbhanj	Off season vegetable cultivation	50	40	80	90	150	120000	220000	Area expanded (ha) - 42
Mayurbhanj	Commercial cultivation of tuber crops (RY)	25	30	70	70	160	60000	150000	Area expanded (ha)- 10
Mayurbhanj	Hybrid vegetable cultivation	25	50	90	140	310	70000	150000	Area expanded (ha)- 35
Mayurbhanj	Commercial cultivation of flowers	25	20	60	9.0	17	37000	64000	Area expanded (ha)- 9
Mayurbhanj	Seed production in vegetable crops (RY)	25	20	70	1.25	1.90	70000	98000	Area expanded (ha)- 30
Mayurbhanj	Hi-tech horticulture and precision farming (RY)	10	10	60			0	50000	Area expanded (ha)- 4.0
Mayurbhanj	Propagation techniques of mango	25	20	70			0	70000	Area expanded (ha)- 46
Mayurbhanj	Grading, sorting and packaging of vegetables	25	30	60			60000	68000	Area expanded (units)- 09
Mayurbhanj	Planting techniques of tissue cultured Banana	25	30	75	1900 bunch	2450 bunch	230000	350000	Area expanded (ha)- 14
Mayurbhanj	Package and practices of cucurbits	25	35	60	170	220	60000	90000	Area expanded (ha)- 28
Mayurbhanj	Plant protection techniques of Arhar	25	25	80	8.5	12.0	32000	46000	Area expanded (ha)- 30
Mayurbhanj	Plant protection techniques of Groundnut	25	30	75	15.5	23.0	36000	55000	Area expanded (ha)- 55
Mayurbhanj	Plant protection techniques of Green gram	25	40	75	4.5	7.5	15500	26000	Area expanded (ha)- 64
Mayurbhanj	Management of pests and diseases in Paddy by Integrated Methods	25	30	80	40.0	43.5	23000	26500	Area expanded (ha)- 48
Mayurbhanj	Management of Fruit-borer and Sucking pests in Okra	25	25	80	48.0	84.0	30000	65000	Area expanded (ha)- 18
Mayurbhanj	Spraying techniques in paddy	25	45	80	42.0	45.5	24000	27500	Area expanded (ha)- 44
Mayurbhanj	Sucking pest management in Okra, Brinjal, Tomato and Chilli	25	20	70	84.0	146.0	60000	122000	Area expanded (ha)- 32
Mayurbhanj	Management of fruit fly in Pumpkin	25	35	60	160.0	240.0	65000	96000	Area expanded (ha)- 25
Mayurbhanj	Management of fruit and shoot borer in Okra, Tomato, Brinjal and Chilli	25	10	70	94.0	167.0	74000	142000	Area expanded (ha)- 54
Mayurbhanj	Application of Trichoderma viridae in vegetable nurseries for disease management	25	10	55	375	640	140000	259372	Area expanded (ha)- 15

Mayurbhanj	Bio-pesticides for controlling pests and diseases in vegetable crops	25	15	60	86.0	168.0	70000	145000	Area expanded (ha)- 35
Mayurbhanj	Entrepreneurship development in Apiculture	25	20	50	0.18	0.34	3000	5600	38 new farmers initiated apiculture
Mayurbhanj	Production of Neem-oil cake and other bio-pesticides in commercial basis	25	35	70				40000	03 units started
Mayurbhanj	Cultivation of paddy straw mushroom in entrepreneurial basis	50	30	80	0.90	1.75	14200	31150	22 new units initiated
Mayurbhanj	Cultivation of oyster mushroom in entrepreneurial basis	25	35	85	0.56	1.32	3360	7850	19 new units initiated
Mayurbhanj	Preparation of value added products from tomato	25	25	80		0.90		19500	09 new units started
Mayurbhanj	Preparation of value added products from sabai grass	25	20	60				28000	18 new units started
Mayurbhanj	Use and operation of seed drills/planters	25	25	65	13.5	18.75	48600	67500	Area expanded (ha)- 32
Mayurbhanj	Use and operation of rotavator for seed bed preparation	25	30	70	35.2	36.1	12700	14210	Area expanded (ha)- 46
Mayurbhanj	Use and operation of SRI power weeder	25	15	55	38.3	44.4	15700	22230	Area expanded (ha)- 20
Mayurbhanj	Mechanized transplanting and use of transplanter	25	20	45	37.6	42.1	14950	20750	Area expanded (ha)- 34
Mayurbhanj	Entrepreneurship development through farm mechanization	10	35	75					07 new units started
Mayurbhanj	Use, operation and maintenance of drip and sprinkler irrigation system	25	20	70					Area expanded (ha)- 65
Mayurbhanj	Mushroom production in entrepreneurial basis	30	40	90			450	800	10 new units with a production capacity of 10kg/day started
Mayurbhanj	Preparation of value added products from sabai grass	10	25	70			2300	8900	04 new entrepreneurs started their own production units
Mayurbhanj	Preparation of value added products from lemon	25	40	80			2500	4850	08 trainees started their advanced processing units
Mayurbhan	Vaccination procedure in goats for deworming	25	30	80			3200	4500	450 goats were vaccinated regularly
Mayurbhanj	Preparation of value added products from mushroom	25	20	80			450	1500	07 processing units were started

6. 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	Topics	Crop Stages
				M	F	M	F	M	F			
Mayurbhanj	Field Day	12	12	198	62	295	45	13	03	Crop production and enterprises	Different crops and enterprises	Different stages
Mayurbhanj	Kisan Mela	02	01	68	19	142	21	06	01	Off campus		
Mayurbhanj	Kisan Ghosthi	09	09	113	0	152	0	0	0			
Mayurbhanj	Exhibition	02	01	198	62	295	45	13	03	On campus and Off campus		
Mayurbhanj	Film Show	30	21	202	53	224	46	05	01	Training programme		
Mayurbhanj	Method Demonstrations	0	0	0	0	0	0	0	0			
Mayurbhanj	Farmers Seminar	0	0	0	0	0	0	0	0			
Mayurbhanj	Workshop	0	0	0	0	0	0	0	0			
Mayurbhanj	Group meetings	60	77	318	126	382	118	0	0			
Mayurbhanj	Lectures delivered as resource persons	20	28	206	43	296	55	121	29	Farmer-Scientist interaction, Farmers school, E-pest surveillance & ISOPOM	SRI, IPM, IDM, IWM	
Mayurbhanj	Newspaper coverage	10	29									
Mayurbhanj	Radio talks	10	09							AIR, Baripada		
Mayurbhanj	TV talks	0	01									

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	Topics	Crop Stages
				M	F	M	F	M	F			
Mayurbhanj	Popular articles	05	04									
Mayurbhanj	Extension Literature	10	11									
Mayurbhanj	Farm advisory Services	40	122	38	10	62	12	0	0			
Mayurbhanj	Scientific visit to farmers field	75	217	266	51	312	63	0	0			
Mayurbhanj	Farmers visit to KVK	600	496	133	18	276	69	0	0			
Mayurbhanj	Diagnostic visits	20	72	269	48	352	74	0	0			
Mayurbhanj	Exposure visits	0	0	0	0	0	0	0	0			
Mayurbhanj	Ex-trainees Sammelan	08	05	39	03	78	05	0	0			
Mayurbhanj	Soil health Camp	02	01	56	0	82	12	03	0			
Mayurbhanj	Animal Health Camp	01	00	0	0	0	0	0	0			
Mayurbhanj	Agri mobile clinic	01	00	0	0	0	0	0	0			
Mayurbhanj	Soil test campaigns	01	01	56	0	82	12	03	0			
Mayurbhanj	Farm Science Club conveners meet	01	02	06	0	10	01	02	0			
Mayurbhanj	Self Help Group conveners meetings	01	01	0	33	0	67	02	0			
Mayurbhanj	Mahila Mandals conveners meetings	0	0	0	0	0	0	0	0			
Mayurbhanj	Celebration of important days	03	03	105	21	134	15	09	02	Akhyaya Trutiya World Food Day Women in Agril. Day,		
Mayurbhanj	TSP	05	05	0	0	433	338	0	0	FLDs on Apiary, Poultry, Fishery, Mushroom, Nutritional garden		
Mayurbhanj	Farmer-Scientist Interaction	10	17	176	43	322	94	32	05	To solve various on field problems of farmers at one place	Mushroom, Agro forestry, Fishery, Farm Machineries, Poultry, Plant protection etc.	

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

7.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
Mayurbhanj	March'2014	Quarterly	500	450
Mayurbhanj	June'2014	Quarterly	500	480
Mayurbhanj	September'2014	Quarterly	500	455
Mayurbhanj	December'2014	Quarterly	500	425

7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Mayurbhanj	Leaflet	Collection, drying, processing and storage of Mahua flower (Olichiki)	KVK, Mayurbhanj	500
Mayurbhanj	Leaflet	Nutritional security and additional income from kitchen garden (Olichiki)	KVK, Mayurbhanj	500
Mayurbhanj	Leaflet	Soil sampling techniques for testing (Odia)	KVK, Mayurbhanj	1000
Mayurbhanj	Leaflet	Integrated Pest and disease management in Rice (Odia)	KVK, Mayurbhanj	1000
Mayurbhanj	Leaflet	Integrated pest and disease management in vegetables (Odia)	KVK, Mayurbhanj	1000
Mayurbhanj	Leaflet	System of rice intensification (Odia)	KVK, Mayurbhanj	1000
Mayurbhanj	Leaflet	Off-season vegetable cultivation (Odia)	KVK, Mayurbhanj	1000
Mayurbhanj	Leaflet	Integrated farming system (Odia)	KVK, Mayurbhanj	1000
Mayurbhanj	Leaflet	Stunted fingerling production (Odia)	KVK, Mayurbhanj	500
Mayurbhanj	Booklet	Use of small farming tools by farm women for drudgery reduction (Odia)	KVK, Mayurbhanj	500

7.3 Details of Electronic Media Produced

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

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Major group/class	Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Mayurbhanj	Cereals	Paddy	Ranidhan and Pratikhya	740	1801160	Seed corporation	1500

8.2 Planting Material production

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Mayurbhanj	Fruits	Papaya	Red lady	3857	77140	230	1.6
Mayurbhanj	Vegetables	Drum stick	PKM-1	500	2500	50	0.2
Mayurbhanj	Vegetables	Chilli	Haldiakhadi	12300	8650	224	0.4
Mayurbhanj	Vegetables	Brinjal	Blue star, Green Star	28930	18465	248	1.0
Mayurbhanj	Vegetables	Tomato	JK Desi, Laxmi, Saksham, VL-642	31450	19725	232	1.3
Mayurbhanj	Vegetables	Cauliflower	Barkha, Megha	48300	39150	262	1.4
Mayurbhanj	Vegetables	Cabbage	Konark, Indu, Disha, Blue Vintage	15950	10475	227	0.5
Mayurbhanj	Vegetables	Capsicum	Indo American Bharat	26000	26000	13	1.0

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.) * Name of product should follow same pattern and spelled correct

KVK Name	Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (In Kg)	Qty (In No)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Mayurbhanj	Bio Fertilizer	Vermicompost	1000		5000		0.8

8.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Breed	Type of Produce	Qty. (kg/qt./litre)	Value (Rs.)	No. of Beneficiaries
Mayurbhanj	Fish	Major Indian Carps	Fingerlings	2,12,000 nos.	4,24,000/-	20
Mayurbhanj	Poultry	Banaraja, Rinbow rooster	21 day old chicks	8482 nos.	4,66,510/-	515

9. Activities of Soil and Water Testing Laboratory: Not Available

9.1 Details of soil samples analyzed so far :

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Soil report distributed to the farmers (Nos)
		`						

9.2 Details of water samples analyzed so far :

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Water report distributed to the farmers (Nos)
Mayurbhanj	Functional	2014`	Pond water analyzed for pH, EC	30	30	12	900/-	30

10. Rainwater Harvesting: Not Available

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
					Male	Female	Total	Male	Female	Total

11. Utilization of Farmers Hostel facilities

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)	Accommodation available (No. of beds)
Mayurbhanj	May	2014	Package and practices of Papaya and Banana	02	25	02		20 nos.
Mayurbhanj	June	2014	Off season vegetable cultivation	02	25	02		20 nos
Mayurbhanj	May-june	2014	Training of ASHA worker, NHRM	40	20	40		20 nos.

Mayurbhanj	July	2014	Nursery raising technique for mechanical transplanting and skill in operation of rice transplanter	10	10	10		20 nos
Mayurbhanj	June	2014	Off season vegetable cultivation	02	25	02		20 nos.
Mayurbhanj	July	2014	Commercialization of tuber crops	02	25	02		20 nos
Mayurbhanj	August	2014	Mechanization in rice cultivation	02	25	02		20 nos
Mayurbhanj	August	2014	IPM and IDM in rice under changing climatic scenario	02	25	02		20 nos.
Mayurbhanj	September	2014	Cultivation of commercial flowers	02	25	02		20 nos
Mayurbhanj	October	2014	Seed production in vegetable crops	02	25	02		20 nos
Mayurbhanj	November	2014	Advance technique in tuber crop cultivation	02	25	02		20 nos.
Mayurbhanj	November	2014	Modern pisciculture technique	02	20	02		20 nos
Mayurbhanj	November	2014	Women friendly tools and equipment for drudgery reduction	02	24	02		20 nos.
Mayurbhanj	December	2014	Motor winding of water pump	10	10	10		20 nos
Mayurbhanj	January	2015	IFFCO training	03	20	03		20 nos.
Mayurbhanj	February	2015	Skill in operation of seed cum fertilizer drill and calibration of seed drill	07	10	07		20 nos
Mayurbhanj	February	2015	Mechanization in oilseed and pulse crops with general maintenance of farm machinery	02	25	02		20 nos.
Mayurbhanj	February	2015	IPM and IDM in vegetable crops under changing climatic scenario	02	25	02		20 nos.
Mayurbhanj	March	2015	Off season vegetable cultivation	02	25	02		20 nos.
Mayurbhanj	March	2015	Hi-tech horticulture and precision farming	04	10	04		20 nos

12. Utilization of Staff Quarters facilities: 2 nos.

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Mayurbhanj	2013	Partially completed	Nil	Nil	Not handed over

14. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Mayurbhanj	24.09.2014 and 21.01.2015	19 + 21	• Funds should be provided from the District Agriculture Department for publication of more numbers of extension books, leaflets etc. for larger distribution among the farmers and extension personnel of the district. • Potato should be cultivated in massive area to meet the requirement of the state. • More numbers of skilled oriented training programmes should be designed for the rural youth for self employment. • OFT on sowing dry seed in place of wet seed by using drum seeder. • Activities related to cultivation of off season tomato and cole crops in the district should be framed on priority basis. • Proposal for construction of a vermi compost unit in KVK instructional farm should be given with a capacity of 45 to 50 quintal per annum from RKVY fund. • Technical support of KVK scientists for cultivation of maize in massive area of the district should be rendered to the district agriculture department.

			• KVK to work for popularization of perennial fodder cultivation in the district. • KVK should provide various promising varieties of OUAT on farmers' demand by procuring the same from the host organization. • Head rice recovery percentage in various ruling rice varieties should be assessed and the results should be documented and communicated to the directorate.

15. Status of Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages sent	No. of beneficiary		Sponsoring agency (NIC, Farmers Portal, etc.)	Major recommendations
		Farmers	Ext. Pers.		
Mayurbhanj	79	2137	150	Farmers Portal	• Sowing dates of various field crops. • Suitable varieties of field crops, fruits and vegetables. • Package of practices for important crops. • IPM and IDM of field crops, fruits and vegetables. • Appropriate contingent measures to be taken in case of any exigencies. • Invitation for need-based training programmes. • Weather forecast • Farm mechanization • Mushroom production

16. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
Mayurbhanj	ATMA	State	25000	Farmers' fare and Exhibition	Mayurbhanj district	

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Mayurbhanj	30490126394	517456/-	551894/-	551894/-

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received

18. Details of KVK Agro-technological Park .

a) Have you prepared layout plan, where sent?

S .No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent ? (ZPD/DES/any other, pl. sp.)
1	Mayurbhanj	Yes	ZPD/DES

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Mayurbhanj	Demonstration units	Pond base integrated farming system, Poultry brooding house, fingerling production, shade net, poly house, off season vegetable, mushroom complex, organic complex, nutritional garden, dairy
Mayurbhanj	Crop Cafeteria	Paddy seed production of different varieties, vegetable complex, nutritional garden, , papaya, banana
Mayurbhanj	Technology Desk	
Mayurbhanj	Visitors Gallery	Informative Vinyl boards with various scientific knowhows
Mayurbhanj	Technology Exhibition	Models and specimens, implements, value added products, photographs, seed sample and other crop samples
Mayurbhanj	Technology Gate-Valve	

c) Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Paddy varieties, potato varieties, vegetable complex, nutritional garden, papaya & banana orchard	05

19. Farm Innovators- list of 10 Farm Innovators from the District

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	Mayurbhanj	Ratikant Patra	Hybrid paddy seed production in 2.0 ha area	Balimunduli, Shamakhunta, 9777493543
2	Mayurbhanj	Bijay Kumar Patra	Paired row planting of various off-season vegetables in shed houses	Girishchandrapur, Khunta, 9438500562
3	Mayurbhanj	Prasannajit Mohapatra	Novel technology in managing rice pests and diseases by using 07 different Indigenous products/components	Kenduadiha, Shamakhunta, 9438001895
4	Mayurbhanj	Nagendra Maharna	Mixed farming of various vegetables in the same place	Madhunanda, Betnoti, 9853076922
5	Mayurbhanj	Lipsa Mohanty	Poultry farming with in-house feed preparation	Kansapal, Bangiriposi, 9437461661
6	Mayurbhanj	Sudhir Kumar Acharya	Intercropping of Cereal, pulse and vegetables	Belam, Badasahi, 9439883090
7	Mayurbhanj	Nabin Mohanta	Novel technique to harvest rice in muddy conditions (When rain occurs at the time of harvest)	Bholagadia,Shyamakhunta, 9439094429
8	Mayurbhanj	Kalpana Bindhani	Novel preparation of value added products from vegetables and fruits	Deulasahi, Baripada, 9861456703
9	Mayurbhanj	Geetarani Mohanty	Paddy straw mushroom production by using sterilized compost	RUCHI MUSHROOM, Takatpur, Baripada, 9861317115
10	Mayurbhanj	Rajat Satpathy	Various value added products from milk	PURAVI DAIRY, ABCpur, Badasahi, 9438232353

20. KVK interaction with progressive farmers

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1	31st March, 2015	250

21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Mayurbhanj	10	14	67	379

Intensive- OFTS, FLDS etc
Extensive- Literatures, Publications, Awareness programmes etc.

22. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

Sr. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt

23. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	Balasore	Seed production programme, backyard poultry	Mutual help making the activities easier
2	Bhadrak	Pisciculture, mushroom spawn production and value addition	Facilitation of sharing of technology

24. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Mayurbhanj	Dr. Prem Chand,	01.05.2014	Scientist, ZPD (VII), Jabalpur, MP			To monitor the KVK activities
Mayurbhanj	Prof. Manoranjan Kar	24.09.2014		Hon'ble Vice Chancellor, OUAT, Bhubaneswar		To attend SAC and campus visit
Mayurbhanj	Prof. S. S. Nanda	24.09.2014		Dean, Dir. of Extension Education, OUAT, Bhubaneswar		To attend SAC and campus visit
Mayurbhanj	Dr. B. K. Mahapatra	21.01.2015		JD, DEE, OUAT, Bhubaneswar		To attend SAC and campus visit

25. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Mayurbhanj	22.01.2011	65	1551

26. E-CONNECTIVITY: Not available

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No. of lectors organized by KVK	Brief achievements	Remarks
	Date	No. of Staff attended	No. of call received from Hub	No. of Call mate to Hub by KVK			

27. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
	1	Nil	Nil	Nil

28. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks
1	Mayurbhanj	286	286	

29. Attended HRD Programmes organized by ZPD

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Mayurbhanj	Jagannath Patra	P.C. (I/c)	01	Extension Workshop at CIFA, Bhubaneswar(22th to 24th Nov'2014
Mayurbhanj	Sanjay Kumar Barik	PA, Computers	01	Updates on the computer application in KVK system, ZPD, Jabalpur (27th to 29th Mar'2015)
	Total		**02**	

Name of KVK	Total Number of staff Attended HRD Programme organized by ZPD (nos)	Total Number of Programme attended (Nos)
Mayurbhanj	**02**	**02**

30. Attended HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Mayurbhanj	Er. Deepak Kumar Mohanty	SMS (Agril. Engg.)	01	Training programme in Capacity building of KVK scientist
Mayurbhanj	Smt. Dharitri Patra	SMS (Home Science)	01	Training programme in Capacity building of KVK scientist
Mayurbhanj	Dr. Sanghamitra Pattnaik	SMS (Horticulture)	01	Training programme in Capacity building of KVK scientist
Mayurbhanj	Dr. Debasis Mishra	SMS (PP)	01	Training programme in Capacity building of KVK scientist
Mayurbhanj	Mr. Biswaranjan Samantarai	SMS (Fishery science)	01	Training programme in Capacity building of KVK scientist

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Mayurbhanj	05	05

31. Attended HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Remarks

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)

32. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)

Name of KVK	Alert observed	Particulars	Reported to organization
Mayurbhanj	Pest epidemic in Mango	Mango Shoot Gall Psylla	CHES, Bhubaneswar

33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Mayurbhanj	Farmers' Fair	01	250	
Mayurbhanj	Awareness Campaign	02	550	SRI, Dual purpose poultry rearing, Mushroom cultivation,
Mayurbhanj	Soil Test Campaign	01	156	Soil test
Mayurbhanj	Plant Health Camp	01	132	Field and vegetable crops

34. INTERVENTIONS ON DROUGHT MITIGATION – No report of drought found last year in the operating area

Introduction of alternate crops/varieties

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries

Major area coverage under alternate crops/varieties

Name of KVK	Crops	Area (ha)	Number of beneficiaries

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No. of participants

Animal health camps organized

Name of KVK	Number of camps	No.of animals	No.of farmers

Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers

Verms Produced

Name of KVK	Verms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers

Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers

35. Proposal of NICRA

1. **Technologies to be Demonstrated**

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

2. **Proposed Extension Activities in NICRA Village**

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

3. **Proposed Training Activities in NICRA Village**

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

4. **Proposed Activities for Fodder Bank**

Established (Years)	Capacity	Current Status

5. **Proposed Activities for Seed Bank**

Established (Years)	Capacity	Current Status

6. **Public Representative/District Administration Visited in NICRA Village**

Name of Representative/Officer	Designation	Date of Visit	Any Special Remark by Visitors

7. Feedback of Farmers for future improvement, if any.

36. Proposed works under NAIP (in NAIP monitoring format)

37. Case study / Success Story to be developed – Two best only in the following format

A) **Success Story**

Name of the KVK : Mayurbhanj-1, Shamakhunta

Title : Hybrid rice cultivation gives success and recognition to farmer

Introduction : Mr. Sanjit Kumar Mohanty aged 40, an enthusiastic farmer hails from a very backward village Kansapal in Bangiriposi block of Mayurbhanj district and owns a total of 06 ha of cultivable land. He is a very innovative farmer with high risk taking ability. He had been growing rice in Kharif season and Groundnut and other vegetables during Rabi season in 02 ha area where irrigation facility was available. Most of his lands are in upland condition and as a result, he was getting a very low output from rice cultivation.

KVK Intervention : He approached KVK, Mayurbhanj, Shamakhunta in the year 2012 and after looking to the prevailing condition, he was advised to cultivate hybrid rice in Kharif season. He was also trained with scientific cultivation of hybrid rice by the center.

Output : In the Kharif season of 2013, he cultivated 04 ha of hybrid rice JKRH 401 and JKRH 3333 from his own 06 ha land with the scientific practice and achieved an average productivity of 65 qtls grain per ha which was 51.2 % higher than the traditional HYVs. The hybrids gave him an additional income of Rs. 80,000/- from only 04 ha of land which undoubtedly outstanding considering the adverse conditions under which he grew the crop.

Outcome : He could sale his main produce to the local traders @ Rs.1100/- per quintal fetching a gross income of Rs. 71,500/- per ha. Though the HYVs fetched more price (Rs. 1200/- per qtl.) than the hybrids in the local markets, the additional income from the hybrids was Rs. 20,000/- per ha as the yield of HYVs was calculated as 43 qtls/ha.

Impact : His plots grown with hybrid rice was visited by the Deputy Director of Agriculture, Mayurbhanj along with so many Govt. officials and 03 nos. of exposure visits by 120 nos. of farmers from various blocks were also conducted by the line department. He became a role model not only for his locality but also for all the rice growing farmers in the district who are living in despair with traditional rainfed rice cultivation with HYVs during Kharif season. Realizing the benefits in adopting the technology, a total of 100 ha area was cultivated with various rice hybrids of different private companies during Kharif 2014 by the farmers of the adjoining 3 gram panchayats. The impact was also seen in blocks like Baripada, Kuliana and Shamakhunta blocks , where about 50 Ha of land was grown with hybrid rice during Kharif 2014.

B) **Name of the KVK : Mayurbhanj, Shyamakhunta**

Title : Banaraja poultry rearing gives recognition to farm women – A case study

Introduction :

Mrs. Lipsa Mohanty of village Kansapal in Bangiriposi block of Mayurbhanj district was a house wife with a very intense desire to become an agri-entrepreneur. Smt. Mohanty with an educational qualification of intermediate belonged to a lower middle class family which runs by traditional agricultural cultivation. Her family was passing through severe economical hardship in earlier days. From her childhood, she had a great interest to become an entrepreneur in agriculture and allied activities. Now Smt. Mohanty of village Kanspal in Mayurbhanj district become a successful farm woman in Banaraj poultry rearing. Previously due to lack of awareness about improved poultry, she was rearing local poultry breed. The income she generated was not sufficient for her livelihood sustainability.

KVK Intervention :

She approached KVK, Mayurbhanj in the year 2012 with her husband Mr. Sanjit Mohanty who is very supportive to her and more over, receptive to the modern technologies. The KVK advised them to take trainings on various aspects related to livelihood security as well as income generation. Receiving technical support from the KVK, she started rearing 150 to 200 nos. of 21 days old Banaraja chicks from KVK, Mayurbhanj with proper vaccination. She was provided with vaccination schedule i.e. 7^{th} day F_1 vaccine, on 14^{th} day Gumboro vaccine and 28^{th} day Lasota (R_2B) vaccine through FLD programme. For the capacity building of Smt. Mohanty and other interested farm women in that locality, vocational trainings, distribution of leaflets and frontline demonstrations were undertaken by the KVK, which led to improvement of knowledge and skill in poultry farming.

Output :

Smt. Mohanty has made a 20 x 40 ft poultry rearing unit in the form of thatched house and has covered around 0.2 Ac. of back yard with plastic net for rearing 500 nos. of high yielding dual purpose poultry birds at a time. In her 1.0 Ac. irrigated upland, she cultivated Maize in Kharif and watermelon in Rabi seasons. The produce was partly utilized for feeding the poultry birds.

Outcome :

With her sheer effort and determination, Smt. Mohanty is able to complete a total of 4 batches poultry birds with a capacity of 500 nos. per batch in a year, which earns her a net income of Rs. 1,80,000.

Impact :

So far, a total of around 450 farm women from a total of 11 villages visited her farm to understand the secret of success. Apart from the help rendered by her family members, she strongly praises her husband for guiding, helping and encouraging her to achieve the goal. Her achievement has been recognized by various government and non-government agencies, societies and organizations. On the occasion of University Foundation Day in August 24th 2013, Orissa University of Agriculture and Technology, Bhubaneswar awarded her as the best women entrepreneur in the district. Her case illustrates very well that, a resource poor and socially neglected woman can also achieve success, generate income and secure her livelihood with her perseverance, determination and hard work.

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Mayurbhanj	03	04

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