

# **ANNUAL PROGRESS REPORT**

**April 2013 to March 2014**

**KVK, Sundargarh-II, Rourkela**

# Contents

Sl. No.	Particular	Page No
	Instructions for Filling the Format	03
	Summary of KVK Annual Report (Quantifiable Achievement) for the year 2013-14	03
1	General Information	06
2	On Farm Testing	11
3	Achievements of Frontline Demonstrations	18
4	Documentation of the need assessment conducted by the KVK for the training programme	26
5	Training programmes	28
6	Extension Activities	34
7	Literature Developed/Published (with full title, author & reference)	36
8	Production and supply of Technological products	37
9	Activities of Soil and Water Testing Laboratory	38
10	Rainwater Harvesting	38
11	Utilization of Farmer Hostel facilities	38
12	Utilization of Staff Quarter facilities	38
13	Details of SAC Meeting	39
14	Status of Kisan Mobile Advisory	39
15	Status of Convergence with agricultural schemes	39
16.	Status of Revolving Funds	39
17.	Awards & Recognition	40
18.	Details of KVK Agro-technological Park	40
19.	Farm Innovators	40
20.	KVK interaction with progressive farmers	41
21.	Outreach of KVK	41
22.	Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize	41
23.	KVK Ring	41
24.	Important visitors to KVK	41
25.	Status of KVK Website	42
26.	Status of E-connectivity	42
27.	Status of RTI	42
28.	Status of Citizen Charter	42
29.	Attended HRD activities organized by ZPD	43
30.	Attended HRD activities organized by DES	43
31.	Attended HRD activities by KVK Staff	43
32	Agri Alert report	43
33.	Details of Technological Week Celebration	44
34.	Interventions on Drought Mitigation	44
35.	Proposal of NICRA	44
36.	Proposed works under NAIP	46
37.	Case study / Success Story to be developed	47
38.	Action Photographs	48

## **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 2013 to March 2014

### Summary of KVK Annual Report (Quantifiable Achievement) for the year 2013-14

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
<b>1</b>	<b>On Farm Testing</b>			
	Proposed OFT	15		195
	On Going OFT	03		39
	Technologies assessed (Completed OFT)	12		156
	Technologies refined	00		00
	On farm trials conducted	14		182
<b>2</b>	<b>Frontline demonstrations</b>			
	Proposed Frontline demonstrations	19		340
	On Going Frontline demonstrations	05		210
	FLDs conducted on crops	14		270
	Area under crops (ha.)	32.0		270
	FLD on farm implement and tools	01		25
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	02		110
	FLD on Fisheries - Finger lings	00		00
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)	02		40
	FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)	02		10
<b>3</b>	<b>Training programmes</b>	<b>No. of Course</b>	<b>Duration (days)</b>	<b>Participants</b>
	Farmers	38	01	950
	Farm women	16	01	400
	Rural youth	05	02	75
	Extension personnel/ In service	02	01	25
	Vocational trainings	03	03	30
	Sponsored Training	00	00	00
	<b>Total</b>	64		1555
		<b>No. of programmes</b>	<b>Participants</b>	
<b>4</b>	<b>Extension Programmes</b>	540	3340	
<b>5</b>	<b>Production of technology inputs etc</b>	<b>Qty</b>	<b>Beneficiaries (nos.)</b>	
	Seed (qt.)	00	00	
	Planting material produced (nos.)	00	00	
<b>6</b>	<b>Livestock</b>	<b>Qty</b>	<b>Beneficiaries (nos.)</b>	
	Livestock strains ( Nos)	00	00	
	Milk Yield - Cow, Buffelo etc. (in liter)	00	00	
	Fish (Kg.)	00	00	
	Fingerlings (nos.)	00	00	
	Poultry-Eggs (nos.)	00	00	
	Ducks (nos.)	00	00	
	Chicks etc. (nos.)	00	00	

7	<b>Bio Products</b>	<b>Qty</b>	<b>Beneficiaries (nos.)</b>	
	Bio Agents -Earth worm (Kg.)	00	00	
	Trichoderma (kg.)	00	00	
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	00	00	
	Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)	00	00	
8	<b>Any other significant achievement in the Zone</b>	<b>Nos.</b>	<b>Participants/ beneficiaries</b>	
	Award (Best KVK award and scientist and farmer's award)	01	01	
	Publications ( Res. Paper/ pop. Art./Bulletin,etc.)	12	6000	
	KVK News letter	04	900	
	SAC Meetings conducted	01	30	
	Soil sample tested	00	00	
	Water sample tested	00	00	
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)	00	00	
	KVK-KMA (Message and beneficiaries)	25	20072	
	Convergence programmes	01	20	
	Sponsored programmes	00	00	
	KVK Progressive Farmers interaction	10	251	
	No. of Technology Week Celebrations	01	550	
	Attended HRD activities organized by ZPD	00	00	
	Attended HRD activities organized by DES	05	11	
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc. )	00	00	
9	Current status of Revolving Funds ( Amt. in Rs.)		00	
10		<b>No. of blocks</b>	<b>No. of villages</b>	
	Outreach of KVK in the District	05	22	
11		<b>ICAR</b>	<b>SAU</b>	<b>Others</b>
	No. of important visitors to KVK (nos.)	01	06	00
12		<b>Working (Yes/No)</b>	<b>No. of Update</b>	
	Status of KVK Website	No.	Under construction	
13		<b>Application received</b>	<b>Application disposed</b>	
	Status of RTI (nos.)	00	00	
14		<b>Query received</b>	<b>Query dissolved</b>	
	Citizen Charter (nos.)	298	298	
15		<b>Working (Yes/No)</b>	<b>No. of programme viewed</b>	
	E-connectivity	No		
16		<b>Filled</b>	<b>Vacant</b>	
	Staff Position	05	11	
17	Workshop/ Seminar/ Conference attended by staff of KVK ( nos)	03		
18	Publication received from ICAR /other organization (nos.)	06		
19		<b>Particulars</b>	<b>Organization</b>	
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)	00	00	

# GENERAL INFORMATION

## 1.1. Staff Position (31.03.2014)

### Summary of Staff position in KVKs on March, 2014

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Sundargarh-II	16	01	01	06	02	03	02	6	0	16	05

Name of KVK	Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specilization	Pay scale	Present pay	Date of joining	Per./Temp.	Category
Sundargarh-II	Programme Coordinator	Jayanta Kumar Pati	Ag. Extension	M.Sc. (Ag.)	Ag. Extension	15,600-39,100/-	21,390/-	21.02.2005	Permanent	General
Sundargarh-II	Subject Matter Specialist1	Bijaya Laxmi Sahu	Home Science	M.A. (Home Sc.)	Human Development	15,600-39,100/-	21,390/-	17.01.2005	Permanent	General
Sundargarh-II	Subject Matter Specialist2	Sanjay Kumar Pradhan	Horticulture	M.Sc. (Ag.)	Pomology	15,600-39,100/-	18,320/-	01.10.2009	Permanent	General
Sundargarh-II	Subject Matter Specialist3	Vacant								
Sundargarh-II	Subject Matter Specialist4	Vacant								
Sundargarh-II	Subject Matter Specialist5	Vacant								
Sundargarh-II	Subject Matter Specialist6	Vacant								
Sundargarh-II	Programme Assistant	Pravat Kumar Sahoo	Soil Science	M.Sc. (Ag.)	Soil Science & Agriculture Chemistry	9,300-34,800/-	9,710/-	27.07.2012	Permanent	OBC
Sundargarh-II	Farm Manager	Vacant								
Sundargarh-II	Computer Programmer	Somadutta Mohanty	Computer Science	M. Tech. (IT)	Information Technology	9,300-34,800/-	14,120/-	14.07.2005	Permanent	General
Sundargarh-II	Accountant / superintendent	Vacant								
Sundargarh-II	Stenographer	Vacant								
Sundargarh-II	Driver	Vacant								

<b>Name of KVK</b>	<b>Sanction post</b>	<b>Name of the incumbent</b>	<b>Discipline</b>	<b>Higist degree</b>	<b>Subject of specilization</b>	<b>Pay scale</b>	<b>Present pay</b>	<b>Date of joining</b>	<b>Per./Temp.</b>	<b>Category</b>
<b>II</b>										
<b>Sundargarh-II</b>	Driver	Vacant								
<b>Sundargarh-II</b>	Supporting staff	Vacant								
<b>Sundargarh-II</b>	Supporting staff	Vacant								

## 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
Sundargarh-II	North Western Plateau Zone	17	262	1830673	65.22%	1076984	145639	1.55 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)
Sundargarh-II	Kansar	2012-13	Lathikata	20	1015	157
Sundargarh-II	Nakakhandi	2012-13	Lathikata	30	750	120
Sundargarh-II	Patrapalli	2013-14	Nuagaon	50	1850	315
Sundargarh-II	Khatankudar	2013-14	Bisra	40	515	105
Sundargarh-II	Ramjodi	2013-14	Lathikata	25	1600	270

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

KVK Name	THRUST AREA
Sundargarh-II	To increase yield by substituting local / degraded varieties in vegetables
Sundargarh-II	To control disease & insect pest by integrated methods of pest control with organic articulation
Sundargarh-II	To emphasize on cultivation of lucrative off-season vegetables
Sundargarh-II	To emphasize on increasing the acreage of the fruit crops like mango, banana on commercial scale relating to broad based agriculture
Sundargarh-II	Integrated insect pest management
Sundargarh-II	Integrated disease management
Sundargarh-II	Use of Bio-control agents & Bio-pesticides
Sundargarh-II	Use of Botanicals
Sundargarh-II	To harness the export potentials of the scented variety of rice
Sundargarh-II	Adoption of diversified cropping pattern in uplands
Sundargarh-II	Integrated Weed Management of crops
Sundargarh-II	Integrated Nutrient Management of crops
Sundargarh-II	Nematode Management of vegetable crops
Sundargarh-II	Efficient utilization of land, labour and use of high yielding varieties of seeds



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

<b>KVK Name</b>	<b>Problem identified</b>	<b>Methods of problem identification</b>	<b>Location Name of Village &amp; Block</b>
Sundargarh-II	Distress sale of rice due to absence of exportable quality	PRA, Group Discussion and Response Analysis	Ramjodi, Lathikata
Sundargarh-II	Local variety is susceptible to diseases.	PRA, Group Discussion and Response Analysis	Khuntagaon, Lahunipada
Sundargarh-II	Indiscriminate use of pesticides	PRA, Group Discussion and Response Analysis	Brahmaniogaon, Lahunipada
Sundargarh-II	Wilting in Tomato (67%-88%)	PRA, Group Discussion and Response Analysis	Bangurkela, Bisra
Sundargarh-II	Low yield in chilly (24 q/ha)	PRA, Group Discussion and Response Analysis	Nakakhandi, Lathikata
Sundargarh-II	Less price in on-season due to market glut in cauliflower (Rs.21,400/ha sold @ Rs.400/q)	PRA, Group Discussion and Response Analysis	Sarubahal, Bisra
Sundargarh-II	Low yield in cauliflower (142 q/ha)	PRA, Group Discussion and Response Analysis	Badajajoda, Nuagaon
Sundargarh-II	Low yield in brinjal (145 q/ha)	PRA, Group Discussion and Response Analysis	Sampokhar, Bisra
Sundargarh-II	Low yield in pointed gourd (242 q/ha)	PRA, Group Discussion and Response Analysis	Patharapalli, Nuagaon
Sundargarh-II	Low yield of rice in upland and under monoculture cropping pattern	PRA, Group Discussion and Response Analysis	Garda, Nuagaon
Sundargarh-II	Low profit from cultivation of traditional old rice varieties susceptible to pest and diseases	PRA, Group Discussion and Response Analysis	Suarpalli, Bisra
Sundargarh-II	Heavy weed infestation with special reference to indiscriminate use of weedicide	PRA, Group Discussion and Response Analysis	Khatankudar, Bisra
Sundargarh-II	High incidence of insect pest results in poor yield of different crops	PRA, Group Discussion and Response Analysis	Ramjodi, Lathikata
Sundargarh-II	Low profit from imbalance fertilizer application without soil testing	PRA, Group Discussion and Response Analysis	Khuntagaon, Lahunipada
Sundargarh-II	Bacterial and fungal wilt in solanaceous vegetables.	PRA, Group Discussion and Response Analysis	Brahmaniogaon, Lahunipada
Sundargarh-II	Low profit from traditional variety of vegetable cultivation	PRA, Group Discussion and Response Analysis	Bangurkela, Bisra
Sundargarh-II	Non utilization of dried out reservoir/ river bed	PRA, Group Discussion and Response Analysis	Jamunanakki, Kuanrmunda
Sundargarh-II	Wastage of rice straw in the field.	PRA, Group Discussion and Response Analysis	Karimati, Nuagaon
Sundargarh-II	Decline of cattle population due to unavailability of fodder and	PRA, Group Discussion and Response Analysis	Kansar, Lathikata

	low yield of milk from indigenous milch cow.		
Sundargarh-II	Poor egg laying capacity and high mortality of indigenous poultry bird.	PRA, Group Discussion and Response Analysis	Birkera, Lathikata
Sundargarh-II	No value addition of surplus farm produce	PRA, Group Discussion and Response Analysis	Nakakhandi, Lathikata
Sundargarh-II	Lack of awareness of harvesting of rice straw for mushroom cultivation.	PRA, Group Discussion and Response Analysis	Sarubahal, Bisra
Sundargarh-II	Malnutrition and drudgery of the people.	PRA, Group Discussion and Response Analysis	Badajajoda, Nuagaon
Sundargarh-II	Cultivation of local maize varieties results low production	PRA, Group Discussion and Response Analysis	Sampokhar, Bisra
Sundargarh-II	Unavailability of FYM/ organic inputs	PRA, Group Discussion and Response Analysis	Patharapalli, Nuagaon
Sundargarh-II	Indiscriminate use of pesticides enhances cost and resulting in residue problem.	PRA, Group Discussion and Response Analysis	Garda, Nuagaon
Sundargarh-II	Inadequate pre and post stocking management with improper size and species combination.	PRA, Group Discussion and Response Analysis	Suarpalli, Bisra
Sundargarh-II	Low yield of pulses(green gram and black gram) and oil seed(sunflower, groundnut) because of non-descript cultivars and traditional package of practices	PRA, Group Discussion and Response Analysis	Khatankudar, Bisra
Sundargarh-II	Improper utilization of uplands, hilly terrain and undulated land	PRA, Group Discussion and Response Analysis	Ramjodi, Lathikata
Sundargarh-II	Lack of suitable enterprise for the farm women and low household income	Livelihood analysis, SHG meet, group discussion.	Gopapur, Nuagaon

## 2. On Farm Testing

Note-

\* Thematic area should be spelled correct and follow standard pattern i.e. Integrated Nutrient Management in place of INM or Inte. Nutrient Mngt. Etc.

\*Crop name should be spelled correct and standard English name should be used i.e Chick pea in place of gram/chana , Paddy in place of Rice/chawal , brinjal in place of egg plant/bhata/baigan etc.

\*Don't press enter key to navigate among column use arrow or tab key

\*don't add space before or after statement within the table cell

### 2.1 Information about OFT

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farmin g Situations	No. of trials	Results (q/ha)		Net Returns (Rs./ha)		Recommendations
										FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	
Sundargar h-II	2013	Khari f	Low yield due to moisture stress in upland	Assessment of yield potential of drought tolerant short duration rice variety Sahabhagi rice	Assessment	Varietal evaluation	Rice	Rainfed, Upland	13	27.0	31.25	7,400/-	10,500/-	Sahabhagi rice can be taken against local rice
Sundargar h-II	2013	Khari f	Low yield due to no use of biofertilizer	Assessment of bio-fertilizer in rice under SRI method	Assessment	Integrated Nutrient Management	Rice	Rainfed, Upland	13	42.0	50.0	13,400/-	20,000/-	Good number of tiller or yield in line sowing is better
Sundargar h-II	2013	Khari f	Low yield of Rice due to indiscriminant use of nutrients	Assessment of Nutrient Management in hybrid rice	Assessment	Integrated Nutrient Management	Rice	Rainfed, Upland	13	50.0	60.0	22,000/-	32,000/-	Proper nutrient management in hybrid rice gives optimum yield then normal transplanting

Sundargarh-II	2013-14	Rabi	Low yield of mustard due to imbalanced application of fertilizer	Assessment of INM in Mustard	<b>Assessment</b>	Integrated Nutrient Management	Mustard	Rainfed, Upland	13	9.0	11.0	20,000/-	28,000/-	Proper nutrient management gives optimum yield in case of mustard
Sundargarh-II	2013-14	Rabi	Small curd size	Assessment of 'Boron' application in Cauliflower	<b>Assessment</b>	Integrated Nutrient Management	Cauliflower	Rainfed, Upland	13	220.0	260.0	1,30,000/-	1,60,000/-	Boron application improves the curd size of cauliflower
Sundargarh-II	2013	Khari f	Low income in the rainfed upland from rice	Assessment of Kharif Onion Var. Agri Found Dark Red	<b>Assessment</b>	Crop diversification	Onion	Rainfed, Upland	13	Nil	177.0	Nil	1,62,500/-	Kharif onion may be recommended as a best substitute crop in upland of Sundargarh district instead of low income generating crop like rice
Sundargarh-II	2013	Khari f	Low survival of vegetable seedling in rainy season	Assessment of low cost poly tunnel for vegetable seedling raising	<b>Assessment</b>	Protective cultivation	Vegetable seedling	Rainfed, Upland	13	1500 seedling in 10 m <sup>2</sup> unit area	4500 seedling in 10 m <sup>2</sup> unit area	250/-	1,050/-	Raising seedlings under poly house provides good number of healthy seedlings & less mortality rate
Sundargarh-II	2013-14	Rabi	Low yield of papaya due to imbalanced use of plant nutrients	Assessment of Nutrient Management in Papaya	<b>Assessment</b>	Integrated Nutrient Management	Papaya	Rainfed, Medium land	13	On going				On going
Sundargarh-II	2013-14	Rabi	Low yield of chilly due to use of wilt susceptible local varieties	Assessment of Chilly variety Utkal Ava	<b>Assessment</b>	Varietal replacement	Chilly	Rainfed, Upland	13	110.0	130.0	87,500/-	1,17,000/-	The aroma of chilly variety Utkal Ava is very much liked by the consumers in compare to

														available local varieties or hybrid
Sundargarh-II	2013	Khari f	Low yield of turmeric due to unavailability of suitable planting material & lack of knowledge regarding package & practices	Assessment of turmeric variety Roma	<b>Assessment</b>	Varietal replacement	Turmeric	Rainfed, Upland	13	200.0	240.0	2,45,000/-	3,10,000/-	The colour & aroma of turmeric variety Roma is very much appreciated by the farmer in compare to their local varieties

## 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 <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )
Sundargarh-II	Assessment of yield potential of drought tolerant short duration rice variety Sahabha gi rice	Average effective tiller per hill (nos.)	11	13	25,000/-	27,000/-		32,400/-	37,500/-		7,400/-	10,500/-		1.29	1.38	
Sundargarh-II	Assessment of bio-fertilizer in rice	Average effective tiller per heal (nos.)	33	40	37,000/-	40,000/-		50,400/-	60,000/-		13,400/-	20,000/-		1.36	1.5	

	under SRI method															
Sundargar h-II	Assessment of Nutrient Management in hybrid rice	Average effective tiller per heal (nos.)	37	45	38,000/-	40,000/-		60,000/-	72,000/-		22,000/-	32,000/-		1.57	1.80	
Sundargar h-II	Assessment of INM in Mustard	Avg. no. of siliquae plant	90	110	25,000/-	27,000/-		45,000/-	55,000/-		20,000/-	28,000/-		1.8	2.03	
Sundargar h-II	Assessment of 'Boron' application in Cauliflower	Average curd wt.	650	750	90,000/-	1,00,000/-		2,20,000/-	2,60,000/-		1,30,000/-	1,60,000/-		2.44	2.6	
Sundargar h-II	Assessment of Kharif Onion Var. Agri Found Dark Red	Fruit weight (gm.)		80.0		1,03,200/-			2,65,700/-			1,62,500/-			2.57	
Sundargar h-II	Assessment of low cost poly tunnel for vegetable seedling raising	Mortality rate in %	40.0	5.0	1,200/-	600/-		2,250/-	750/-		150/-	1,050/-		1.25	1.87	
Sundargar h-II	Assessment of Nutrient Management in Papaya	No. of Fruits per plant	On going													
Sund	Assessm	No. of fruits	78.0	93.0	74,000	78,000/-		1,62,500	1,95,000		87,500/-	1,17,000/-		2.19	2.5	

argar h-II	ent of Chilly variety Utkal Ava	per plant			0/-	-		/-	0/-							
Sundargar h-II	Assessment of turmeric variety Roma	Wt. of rhizome in gms.	350.0	400.0	1,45,000/-	1,60,000/-		3,60,000/-	4,32,000/-		2,15,000/-	2,72,000/-		2.48	2.57	

### 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
Sundargarh-II	2013-14	Late Rabi	High drudgery of Farmwomen in parboiling of rice	Assessment of Rice Par boiling Unit for drudgery reduction of Farm women	Assessment	Drudgery reduction	Use of rice parboiling drum (CRRRI make) for rice par boiling	Less time, less fuel & labour saving	Homestead	13	75 kgs. of rice can be par boiled in one sitting without much labour
Sundargarh-II	2013-14	Late Rabi	High drudgery of farmwomen while threshing sunflower	Assessment of Sunflower threshing bench to reduce drudgery of Farm women	Assessment	Drudgery reduction	Use of sunflower threshing bench for threshing sunflower	Time & labour saving	Homestead	13	On going
Sundargarh-II	2013-14	Rabi	Low yield and non acceptability of oyster mushroom variety p.sajarkaju	Assessment of Oyster mushroom variety p.eous	Assessment	Varietal replacement	Introduction of oyster mushroom variety p.eous	Better yield and attractive look	Homestead	13	Due to its pink colour market demand is good
Sundargarh-	2013-	Kharif	Low income	Assessment	Assessment	Income	Cultivation of	Higher return than	Homestead	13	Price and market

II	14		of farmwomen by cultivating marigold	of Gladioli in Backyard for Income Generation of Farm women		generation	Gladioli for more income	other flowers			demand of gladioli is quite high
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## 2.4 Economic Performance Home Science OFT:

KVK name	OFT Title	Performance Indicator / Parameter																					
		Output m <sup>2</sup> /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		Savings in Rs	B/C ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2				
Sundargarh-II	Assessment of Rice Parboiling Unit for drudgery reduction of Farm women																						
Sundargarh-II	Assessment of Sunflower threshing bench to reduce drudg																						



	ery of Farm women																				
Sundargarh-II	Assesment of Oyster mushr oom variety p.eous									1.1kg /bed	1.4kg./bed	45/-	45/-	77/-	98/-	110kg./100bed	140kg./100bed	7,700/-	9,800/-	2,100/-	2.17
Sundargarh-II	Assesment of Gladi oli in Backyard for Income Generation of Farm women									120qt l.ha.	200000spikes/ha.	1,25,000/-	7,68,000/-	2,50,000/-	10,00,000/-	120qtl./ha.	200000spikes/ha.+200000corms/ha.	1,25,000/-	2,38,000/-	1,12,000/-	1.3

## 2.5 Feedback from KVK to Research System

Name of KVK	Feedback
Sundargarh-II	The colouring and flavouring compound of turmeric Roma may be compared to other local varieties
Sundargarh-II	Kharif onion may be recommended as a best substitute crop in upland of Sundargarh district instead of low income generating crop like rice
Sundargarh-II	Gladioli may be recommended as a remunerative crop for farm women
Sundargarh-II	Oyster Mushroom variety p.eous has attractive pink colour and yield is good, which may be encouraged in peri urban areas
Sundargarh-II	The aroma of chilly variety Utkal Ava is very much liked by the consumers in comparison to available local varieties or hybrids
Sundargarh-II	Application of Biofertilizer further increases effective tillers which may be recommended
Sundargarh-II	Hybrid rice supported by proper nutrient management gives yield upto 60 qtl./ha. which needs further research
Sundargarh-II	Although nutrient management in mustard gave satisfactory yield still farmers want some better performing varieties under rainfed rabi situation
Sundargarh-II	Boron application significantly improves the curd size of cauliflower which may be widely disseminated to farmers

### 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
Sundargarh-II	Watermelon	Watermelon	Use of Hybrid water melon seed Black Magic – 1 kg./ ha., application of balanced manure & fertilizer, use of growth regulator & adequate plant protection measure.	Training, Field Day, visit of extension personnel to the farmers field	10	60	35.0
Sundargarh-II	Marigold	Marigold	Use of healthy seedlings of Pusa Narangi, spacing of plants 30x45 cm., application of recommended nutrients	Training, Field Day, visit of extension personnel to the farmers field	01	5	0.1
Sundargarh-II	Mushroom	Mushroom	Bag method, use of spawn, straw treatment	Training, Field Day, visit of extension personnel to the farmers field	03	10	200 beds

#### Note-

\* Thematic area should be spelled correct and follow standard pattern i.e. Integrated Nutrient Management in place of INM or Inte. Nutrient Mngt. Etc.

\*Crop name should be spelled correct and standard English name should be i.e Chick pea in place of gram, Paddy in place of Rice , brinjal in place of egg plant etc.

\*Don't press enter key to navigate among col use arrow or tab key

\*don't add space before or after statement within the table cell

### 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 <sub>1</sub> )	RP (T <sub>2</sub> )		SC	ST	Others	General	Total
Sundargarh-II	2013-14	Rabi	Varietal Replacement	Demonstration on wilt tolerant Tomato Utkal Raja	Tomato	Tomato var. Utkal Raja	1.0	260.0	290.0	12.0	02	00	08	00	10
Sundargarh-II	2013-14	Rabi	Varietal Replacement	Demonstration of Capsicum Var. California Wonder	Capsicum	Capsicum Var. California Wonder	1.0	160.0	187.0	17.0	02	02	06	00	10
Sundargarh-II	2013	kharif	Integrated Nutrient Management	Demonstration of Nutrient Management in Kharif Radish	Radish	Nutrient Management in Radish	1.0	215.0	250.0	16.5	01	00	09	00	10
Sundargarh-II	2013-14	Rabi	Integrated Nutrient Management	Demonstration of Planofix in controlling fruit drop in Citrus	Citrus	Use of planofix in controlling fruit drop in citrus	1.0	104000 fruits	120000 fruits	15.0	01	05	04	00	10
Sundargarh-II	2013-14	Rabi	Integrated Nutrient Management	Demonstration on Boron in Sunflower	Sunflower	Foliar application of Boron @ 1 kg./ ha. at flowering stage	1.3	On going			00	5	00	5	10
Sundargarh-II	2013	Kharif	Integrated Nutrient Management	Demonstration on Nutrient Management in Brinjal	Brinjal	Use of nitrogen 120 kg., phosphorus 50 kg., potash 50 kg. per ha., bio-fertilizer PSB, azotobacter & azospirillum @ 2.5 kg./ ha. each and recommended dose of FYM, and soil application of borax 10 kg. per ha.	1.3	280.0	340.0	21.0	00	00	00	10	10
Sundargarh-II	2013	Kharif	Integrated Nutrient Management	Demonstration of Nutrient Management in Okra	Okra	Application of 100 kg. Nitrogen, 50 kg. Phosphorous, 75 kg. Potash and soil application of borax 10 kg. per ha., azotobacter & azospirillum, PSB @ 2.5 kg./ ha. each and recommended dose of FYM	1.3	140.0	170.0	21.0	00	00	00	10	10

Sundargarh-II	2013-14	Rabi	Integrated Nutrient Management	Demonstration on Effect of Vermicompost in Tomato for yield enhancement	Tomato	Use of recommended quantity of NPK along with vermicompost 1.5 ton/ ha. with adequate plant protection measures	1.3	280.0	320.0	14.0	00	00	00	10	10
Sundargarh-II	2013	Kharif	Varietal replacement	Demonstration on Oilseed	Utkal Niger 150	Seed-10 kg./ha., Seed Treating Chemicals Carbendazim-2 gm./kg. of seed, Inoculation of seed with Bio-fertilizer Azotobacter & PSB @ 20 g. each/kg. seed, Premergence application of Pendimethalin @ 1kg. ai./ ha., NPK @ 40:40:20, Foliar Spray of Sulphur @ 2ml./ ltr. of water and need based plant protection measures	5.0	6.20	8.0	29.0	00	20	00	00	20
Sundargarh-II	2013-14	Rabi	Varietal replacement	Demonstration on Oilseed	Mustard Parvati	Seed-10 kg./ha., Seed Treating Chemicals Carbendazim-2 gm./kg. of seed, Inoculation of seed by Azotobacter & PSB @ 20 gm. each/kg. of seed, Pre emergence application of Pendimethalin @ 1.25 ml./ ltr., Sulphur @ 2ml./ ltr. of water and need based plant protection measures	5.0	9.0	11.0	22.0	01	00	00	19	20
Sundargarh-II	2013	Kharif	Varietal replacement	Demonstration on Pulses	Blackgram TU-94-2	Seed-20 kg./ha., Seed Treating Chemicals Carbendazim-2 gm./kg. of seed, Inoculation of seed by Rhizobium & PSB @ 20 gm. each/kg. of seed, Post emergence application of Imezathapyr (10% SL) @ 1.25 ml./ ltr., NPK @ 20:40:20/ ha. and need based plant protection measures	5.0	8.0	10.0	25.0	00	19	00	01	20

Sundargarh-II	2013-14	Rabi	Varietal replacement	Demonstration on Pulses	Greengram PDM-139	Seed-20 kg./ha., Seed Treating Chemicals Carbendazim-2 gm./kg. of seed, Inoculation of seed by Rhizobium & PSB @ 20 gm. each/kg. of seed, Post emergence application of Imezathapyr (10% SL) @ 1.25 ml./ltr., NPK @ 20:40:20/ ha. and need based plant protection measures	5.0	On going			01	00	00	19	20
Sundargarh-II	2013-14	Rabi	Income generation	TSP on backyard poultry	Vanaraja	Rearing of Vanaraja poultry followed by proper vaccination and health care management.	700 birds	On going			00	70	00	00	70
Sundargarh-II	2013-14	Rabi	Income generation	TSP on Banana cultivation	Bantala	2500 plants per ha., spacing 2x2 mt., 200 gm. N., 40 gm. P <sub>2</sub> O <sub>5</sub> 200 gm. K <sub>2</sub> O per plant	2.0	On going			00	10	00	00	10
Sundargarh-II	2013-14	Rabi	Income Generation	TSP on Kitchen Gardening	Vegetables	200m <sup>2</sup> per family of 5-6 members, crop rotation, stagger planting	0.8	On going			00	100	00	00	100

### 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 <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )
Sundargarh-II	Demonstration on wilt tolerant Tomato Utkal Raja	Tomato	Wt. of fruit in gm.	70.0	80.0	86,800/-	87,800/-	1,95,000/-	2,17,700/-	1,08,200/-	1,29,900/-	2.24	2.48
Sundargarh-II	Demonstration of Capsicum Var. California Wonder	Capsicum	Wt. of fruit in gm.	60.0	70.0	81,250/-	89,000/-	2,08,000/-	2,47,000/-	1,26,750/-	1,58,000/-	2.56	2.78

Sundargarh-II	Demonstration of Nutrient Management in Kharif Radish	Radish	Wt. of fruit in gm.	150.0	180.0	87,800/-	91,300/-	2,15,000/-	2,50,000/-	1,27,200/-	1,58,700/-	2.44	2.74
Sundargarh-II	Demonstration of Planofix in controlling fruit drop in Citrus	Citrus	Avg. No. fruits per plant	260.0	300.0	40,000/-	42,000/-	84,000/-	96,000/-	42,000/-	54,000/-	2.1	2.3
Sundargarh-II	Demonstration on Boron in Sunflower	Sunflower	On going										
Sundargarh-II	Demonstration on Nutrient Management in Brinjal	Brinjal	Avg.Fruitwt.(gm.)	190	240	1,35,000/-	1,37,000/-	2,80,000/-	3,40,000/-	1,45,000/-	2,03,000/-	2.07	2.48
Sundargarh-II	Demonstration of Nutrient Management in Okra	Okra	Avg. Fruit/ plant	23	28	90,000/-	1,00,000/-	2,10,000/-	2,55,000/-	1,20,000/-	1,55,000/-	2.33	2.55
Sundargarh-II	Demonstration on Effect of Vermicompost in Tomato for yield enhancement	Tomato	Avg. Fruit wt.(gm.)	70	80	1,40,000/-	1,45,000/-	2,80,000/-	3,20,000/-	1,40,000/-	1,75,000/-	2.0	2.2
Sundargarh-II	Demonstration on Oilseed	Niger	Avg. plant height (cm.)	125	150	15,000/-	17,000/-	31,000/-	40,000/-	16,000/-	23,000/-	2.06	2.35
Sundargarh-II	Demonstration on Oilseed	Mustard	Avg. no. of siliquae/plant	90	110	25,000/-	27,000/-	45,000/-	55,000/-	20,000/-	28,000/-	1.8	2.03
Sundargarh-II	Demonstration on Pulses	Blackgram	avg. no. of pods/plant	45	56	22,000/-	24,000/-	40,000/-	50,000/-	18,000/-	26,000/-	1.81	2.08
Sundargarh-II	Demonstration on Pulses	Greengram	Yield (Q./ha.)	On going	-	-	-	-	-	-	-	-	-
Sundargarh-II	TSP on backyard poultry	Poultry	Yield (Kg./bird)	On going	-	-	-	-	-	-	-	-	-
Sundargarh-II	TSP on Banana cultivation	Banana var. Bantala	Yield	On going	-	-	-	-	-	-	-	-	-
Sundargarh-II	TSP on Kitchen Gardening	Vegetable	Yield	On going	-	-	-	-	-	-	-	-	-

### 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/Enterprizes	Farming Situation	Proposed area (ha)	No. of Beneficiaries
Sundargarh-II	2013-14	Rabi	Income generation	No subsidiary income of Farm Women, wastage of rice straw	Demonstration on Oyster mushroom cultivation	Mushroom	Bag method, use of quality spawn, straw treatment	Homestead	500 beds	20
Sundargarh-II	2013-14	Kharif	Income generation	No subsidiary income of Farm Women, wastage of rice straw	Demonstration on rice straw mushroom	Mushroom	Bed method, use of spawn, straw treatment	Homestead	500 beds	20
Sundargarh-II	2013-14	Kharif	Income generation	Rearing of local breed of poultry yields low production of meat and egg	Demonstration on Banaraja poultry in backyard	Poultry	Rearing of Vanaraja poultry followed by proper vaccination and health care management	Homestead	150 nos. poultry birds	10
Sundargarh-II	2013-14	Kharif	Drudgery reduction	Drudgery in plucking of okra	Demonstration on Bhindi Plucker	Plucking	Plucking of Bhindi using Bhindi Plucker	Homestead	50 nos.	25

### 3.5 Economic Performance Home Science FLDs:

KVK name	Technology to be Demonstrated	Performance Indicator / Parameter																					
		Output m <sup>2</sup> /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		Savings in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2				
Sundargarh-II	Demonstration on Oyster mushroom cultivation	-	-	-	-	-	-	-	-	-	-	750gm./bag	1.1kg./bag	40/-	40/-	52.5	77/-	75kg./100 bags	110kg./100bags	5,250/-	7,700/-	2,450/-	1.9
Sundargarh	Demonstration	-	-	-	-	-	-	-	-	-	-	800gm./b	1.20kg./b	80/	80/	160/	240/	80kg./100	120kg./10	8,00	16,00	8,00	3.0

arh-II	ation on rice straw mushroom											ed	ed	-	-	-	-	beds	0beds	0/-	0/-	0/-	
Sundargarh-II	Demonstration on Banaraja poultry in backyard	-	-	-	-	-	-	-	-	-	-	13kg./10 birds	22kg./10 birds	60 0/-	80 0/-	2,25 0/-	3,30 0/-	15kg/100 birs	22kg./100 birds	900/-	1,500 /-	600/-	3.3
Sundargarh-II	Demonstration on Bhindi Plucker	3k g.	8 k g.	10.72	8.45	12 0	10 8		26 .8	166. 66	-	-	-	-	-	-	-	-	-	-	-	-	-

### 3.6 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Sundargarh-II	Blackgram	Field day & Training (FW)	02	75	
Sundargarh-II	Greengram	Field day & Training (FW)	02	75	
Sundargarh-II	Niger	Field day & Training (FW)	02	75	
Sundargarh-II	Mustard	Field day & Training (FW)	02	75	
Sundargarh-II	Radish	Training (FW)	01	25	
Sundargarh-II	Tomato	Training (FW), Field day	03	75	
Sundargarh-ii	Capsicum	Training (FW)	01	25	
Sundargarh-II	Rice Straw Mushroom	Training (FW), Field Day	02	75	
Sundargarh-II	Vanaraja Poultry	Training (FW)	03	200	
Sundargarh-II	Oyster Mushroom	Training (FW)	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.
1.	Sundargarh-II					



## 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
Sundargarh-II	Soil application of boron @ 10kg./ha. and use of bio-fertilizer @ 5 kg./ha to enhancing the fruit weight and quality of kharif radish	Personal interview & interaction during field visits	Around 17% change in yield in compare to farmer practice	Micronutrient and bio-fertilizer to be applied for getting better quality produce in other vegetables.
Sundargarh-II	Use of planofix @ 1 ml. in 4.5 ltr. To check the fruit drop in citrus	Personal interview & interaction during field visits	Around 15% change in yield in compare to farmer practice	Planofix to be applied in cucurbits for controlling flower and fruit drops
Sundargarh-II	Rearing of Vanraja poultry provides ready cash to farm women and nutritional security to the family	Personal interview & interaction during field visits	There is net income of Rs. 2,500/- to the farm women from the flock size of 10 birds	Other SHGs of the village have plans to rear vanaraja

### 4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Sundargarh-II	The colouring and flavouring compound of turmeric Roma may be compared to other local varieties
Sundargarh-II	High yielding short duration rice should be introduced in this locality
Sundargarh-II	More numbers of solanaceous vegetable varieties should be introduced for rainy season
Sundargarh-II	Cultivation of gladioli in backyard is more remunerative than marigold
Sundargarh-II	Better performing varieties of mustard to be introduced for rainfed situation

#### 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 involved
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	29.04.13 Gopapur	17
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	16.05.13 Karimati	18
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	22.05.13 Kansar	15
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	03.06.13 Birkeria	15
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	11.06.13 Nakakhandi	14
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	12.07.13 Sarubahal	20
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	19.07.13 Badajajoda	15
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	26.08.13 Sampokhar	22
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	18.09.13 Patharapalli	23
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	21.09.13 Garda	20
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	07.10.13 Suarpalli	15
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	24.10.13 Khatankudar	20
Sundargarh-II	RY	PRA, Focus group discussion observation, Response Analysis	24.12.13 Ramjodi	30
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	16.09.13 Khuntagaon	45
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	10.01.14 Brahmaniogaon	29
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	30.11.13 Bangurkela	32
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	26.02.14 Jamunanakki	45

#### 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
<b>Thematic Areas for Training</b>	
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	Category	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
Sundargarh-II	FW	OFC	SFM	Integrated Nutrient Management in hybrid rice	01	01	00	00	01	01	18	05	00	00
Sundargarh-II	FW	OFC	SFM	Application of biofertilizer under SRI method	01	01	00	00	00	00	24	00	01	00
Sundargarh-II	FW	OFC	SFM	Organic waste recycling for production of vermicompost	01	01	00	00	01	00	22	01	01	00
Sundargarh-II	FW	OFC	SFM	Integrated Nutrient Management in Okra	01	01	00	00	01	01	03	01	11	08
Sundargarh-II	FW	OFC	SFM	Integrated Nutrient Management in Brinjal	01	01	00	00	00	00	00	00	20	05
Sundargarh-II	FW	OFC	SFM	Methods and principles of soil sampling for soil testing	01	01	00	00	00	00	24	00	01	00
Sundargarh-II	FW	OFC	SFM	Use of micronutrients for rabi vegetables	01	01	00	00	01	00	16	00	08	00
Sundargarh-II	FW	OFC	SFM	Principles and practices for maintenance of soil health for suitable crop production	01	01	00	00	00	00	19	06	00	00
Sundargarh-II	FW	OFC	SFM	Integrated Nutrient Management in mustard	01	01	00	00	00	00	17	07	01	00
Sundargarh-II	FW	OFC	SFM	Effect of vermicompost on tomato cultivation	01	01	00	00	00	00	00	00	25	00
Sundargarh-II	FW	OFC	SFM	Application of Boron in Cauliflower	01	01	00	00	00	00	17	08	00	00
Sundargarh-II	FW	OFC	CRP	Yield potentiality of drought tolerant of short duration rice variety sahabhagi rice	01	01	00	00	02	00	00	00	15	08
Sundargarh-II	FW	OFC	CRP	Cultivation practices of Blackgram	01	01	00	00	00	00	21	04	00	00
Sundargarh-II	FW	OFC	CRP	Cultivation practices of Niger crop	01	01	00	00	00	00	15	10	00	00
Sundargarh-II	FW	OFC	CRP	Cultivation practices of	01	01	00	00	03	00	00	00	00	22

Name of KVK	Category	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
II				mustard										
Sundargarh-II	FW	OFC	CRP	Cultivation practices of Greengram	01	01	00	00	01	00	00	00	00	24
Sundargarh-II	FW	OFC	HOS	Cultivation techniques of turmeric	01	01	00	00	00	00	09	00	16	00
Sundargarh-II	FW	OFC	HOS	Cultivation techniques of ginger	01	01	00	00	00	00	22	00	03	00
Sundargarh-II	FW	OFC	HOV	Off season vegetable cultivation	01	01	00	00	00	00	00	00	25	00
Sundargarh-II	FW	OFC	HOS	Cultivation techniques of kharif onion	01	01	00	00	00	00	24	00	01	00
Sundargarh-II	FW	OFC	HOV	Cultivation techniques of kharif tomato	01	01	00	00	00	00	25	00	00	00
Sundargarh-II	FW	OFC	HOV	Integrated Nutrient Management in kharif radish	01	01	00	00	01	00	00	03	09	12
Sundargarh-II	FW	OFC	HOV	Integrated Nutrient Management in cucurbits	01	01	00	00	00	00	25	00	00	00
Sundargarh-II	FW	OFC	HOV	Disease and pests of tomato & their control measures	01	01	00	00	01	00	14	00	10	00
Sundargarh-II	FW	OFC	HOV	Nursery management of tomato	01	01	00	00	00	00	20	05	00	00
Sundargarh-II	FW	OFC	HOV	Physiological disorder of cole crops & their control measures	01	01	00	00	01	00	17	07	00	00
Sundargarh-II	FW	OFC	HOV	Major insect pests of solanaceous vegetables & their control measures	01	01	00	00	00	00	00	00	25	00
Sundargarh-II	FW	OFC	HOV	Cultivation techniques of capsicum	01	01	00	00	00	00	15	00	10	00
Sundargarh-II	FW	OFC	HOV	Importance & procedure of seed treatment in vegetable crops	01	01	00	00	00	00	09	08	03	05
Sundargarh-II	FW	OFC	HOO	Gladioli cultivation for income generation	01	01	00	00	00	00	13	12	00	00
Sundargarh-II	FW	OFC	HOV	Cultivation techniques of pointed gourd	01	01	00	00	03	00	08	00	14	00
Sundargarh-II	FW	OFC	HOV	Layout of kitchen gardening	01	01	00	00	00	00	12	13	00	00
Sundargarh-II	FW	OFC	HOV	Improved cultivation technique of Banana	02	01	00	00	00	00	50	00	00	00

Name of KVK	Category	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
Sundargarh-II	FW	OFC	WOE	Selection of suitable varieties for vegetable cultivation	01	01	00	00	00	00	00	25	00	00
Sundargarh-II	FW	OFC	CBD	Income generation opportunity in Agriculture sector	01	01	00	00	06	00	00	00	16	03
Sundargarh-II	FW	OFC	CBD	Entrepreneurial opportunity in Livestock sectors	01	01	00	00	00	00	08	15	00	02
Sundargarh-II	FW	OFC	CBD	Livelihood options for SHG groups	01	01	00	04	00	00	00	21	00	00
Sundargarh-II	FW	OFC	WOE	Cultivation practice of oyster mushroom	01	01	00	00	00	00	00	22	00	03
Sundargarh-II	FW	OFC	WOE	Techniques of vermicomposting	01	01	00	00	00	00	00	18	00	07
Sundargarh-II	FW	OFC	WOE	Goatary management	01	01	00	00	00	08	00	17	00	00
Sundargarh-II	FW	OFC	WOE	Safe storage of grain	01	01	00	00	00	00	00	23	00	02
Sundargarh-II	FW	OFC	WOE	Mushroom cultivation for livelihood security	01	01	00	00	00	00	00	25	00	00
Sundargarh-II	FW	OFC	WOE	Use drudgery reduction implements	01	01	00	00	00	00	00	21	00	04
Sundargarh-II	FW	OFC	WOE	Care and management of milch animals	01	01	00	00	00	00	00	25	00	00
Sundargarh-II	FW	OFC	WOE	Floriculture for farm women	01	01	00	00	00	00	00	25	00	00
Sundargarh-II	FW	OFC	WOE	Backyard poultry rearing	03	01	00	00	00	00	42	58	00	50
Sundargarh-II	FW	OFC	WOE	Plant protection for nutritional garden	01	01	00	00	00	03	00	22	00	00
Sundargarh-II	FW	OFC	WOE	House hold food security for farm families	02	01	00	00	00	10	00	32	00	08
Sundargarh-II	FW	OFC	WOE	Planning & layout of kitchen garden	01	01	00	00	00	00	00	03	00	22
Sundargarh-II	FW	OFC	WOE	Nursery raising techniques of vegetables	01	01	00	00	00	00	00	25	00	00
Sundargarh-II	RY	OFC	SFM	Method of preparation of vermicompost compost	01	02	00	00	00	00	00	00	08	07
Sundargarh-II	RY	OFC	WOE	Preservation of seasonal fruits & vegetables	02	02	00	00	00	00	00	18	00	12
Sundargarh-II	RY	OFC	HOV	Nursery raising techniques of	01	02	00	00	00	00	15	00	00	00

Name of KVK	Category	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
II				vegetable crops										
Sundargarh-II	RY	OFC	HOF	Planning and layout of orchards	01	02	00	00	00	00	11	00	04	00
Sundargarh-II	IS	OFC	HOF	Important disease & physiological disorder of major fruit crops	01	01	01	01	01	01	02	00	09	00
Sundargarh-II	IS	OFC	WOE	Agro Based Entrepreneurship for SHGs	01	01	00	00	00	00	00	10	00	00

**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	
Sundargarh-II	Method of preparation of vermicompost compost	Vermicompost	Use of Bio-control agents & Bio-pesticides	03	00	00	00	00	00	00	00	06	04
Sundargarh-II	Commercial propagation method of fruit plants	Fruit crop	Non availability of suitable, disease resistant planting material	03	00	00	02	00	06	00	02	00	00
Sundargarh-II	Preparation of value added products from locally available fruits and vegetables	Fruits & vegetable	Value addition of fruits and vegetable	06	00	00	00	00	00	08	00	00	12

**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	
Sundargarh-II	Mushroom cultivation for livelihood security	Commercial unit	03	45	12
Sundargarh-II	Preparation of value added products from locally available fruits and vegetables	Homestead	32	32	14
Sundargarh-II	Backyard poultry rearing	Homestead	120	120	44

**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/R Y/ IS)	Duration (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		
Sundargarh-II	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/R Y/ IS)	Duration (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		
Sundargarh-II	Nil															

**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	
Sundargarh-II	Integrated Nutrient Management in hybrid rice	25	40	60	50	60	22,000/-	32,000/-	% change in production-20%
Sundargarh-II	Application of bio-fertilizer under SRI method	25	30	70	42	50	13,400/-	20,000/-	% change in production-19%
Sundargarh-II	Integrated Nutrient Management in Okra	25	45	55	140	170	1,20,000/-	1,55,000/-	% change in production-21%
Sundargarh-II	Integrated Nutrient Management in Brinjal	25	25	75	280	340	1,45,000/-	2,03,000/-	% change in production-21%
Sundargarh-II	Integrated Nutrient Management in mustard	25	40	60	9	11	20,000/-	21,000/-	% change in production-22%
Sundargarh-II	Effect of vermicompost on tomato cultivation	25	40	60	280	320	1,40,000/-	1,75,000/-	% change in production-14%



Sundargarh-II	Application of Boron in Cauliflower	25	25	75	220	260	1,30,000/-	1,60,000/-	% change in production-18%
Sundargarh-II	Yield potentiality of drought tolerant of short duration rice variety sahabhagi rice	25	35	65	27	31.5	7,400/-	10,500/-	% change in production-16%
Sundargarh-II	Cultivation practices of Blackgram	25	50	50	8	10	18,000/-	26,000/-	% change in production-25%
Sundargarh-II	Cultivation practices of Niger crop	25	40	60	6.20	8.0	16,000/-	23,000/-	% change in production-29%
Sundargarh-II	Cultivation practices of mustard	25	50	50	9	11	20,000/-	28,000/-	% change in production-22%
Sundargarh-II	Cultivation techniques of turmeric	25	30	55	200	240	2,15,000/-	2,72,000/-	% change in production-20%
Sundargarh-II	Off season vegetable cultivation	25	20	40	100	150	1,50,000/-	2,25,000/-	% change in production-50%
Sundargarh-II	Cultivation techniques of kharif onion	25	05	25	-	177	-	1,62,000/-	% change in production-342% in compare to rice
Sundargarh-II	Nutrient management in kharif radish	25	35	60	215	250	1,27,000/-	1,58,000/-	% change in production-17%
Sundargarh-II	Disease and pests of tomato & their control measures	25	30	55	260	300	1,08,000/-	1,40,000/-	% change in production-16%
Sundargarh-II	Cultivation techniques of capsicum	25	40	60	160	187	1,27,000/-	1,58,000/-	% change in production-17%
Sundargarh-II	Mushroom cultivation for livelihood security	25	42	67	0.8 kg./bed	1.2 kg./bed	8,000/-	16,000/-	45 numbers adopted & % change in production-50%
Sundargarh-II	Backyard poultry rearing	50	35	70	13 kg./10 birds	22 kg./ 10 birds	900/-	1,500/-	% change in production-70%
Sundargarh-II	Preservation of seasonal fruits & vegetables	50	30	65	7-10 kg./ household	25-30 kg./ household	750/-	1,200/-	150 numbers adopted

### 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	Topic s	Crop Stages
				M	F	M	F	M	F			
Sundargarh-II	Field Day	10	06	82	71	52	68	15	12	Farmer Awareness	Tomato, Mushroom, Green gram, Blackgram, Niger, Mustard	Harvesting stage
Sundargarh-II	Kisan Mela	02	01	00	00	288	212	16	07	Farmer Awareness		
Sundargarh-II	Kisan Ghosthi	06	00	00	00	00	00	00	00			
Sundargarh-II	Exhibition	02	02	Mass						Farmer Awareness		
Sundargarh-II	Film Show	60	04	20	17	21	24	00	00			
Sundargarh-II	Method Demonstrations	10	13	12	23	31	29	03	07	Seed Treatment, Safe use of pesticides, Nursery raising, Animal Health Care		
Sundargarh-II	Farmers Seminar	01	00	00	00	00	00	00	00			
Sundargarh-II	Workshop	04	00	00	00	00	00	00	00			
Sundargarh-II	Group meetings	30	24	40	68	102	52	00	00	To execute Action Plan		
Sundargarh-II	Lectures delivered as resource persons	10	05	120	100	68	72	00	00		Off season vegetable cultivation, Cultivation technique of Maize	
Sundargarh-II	Newspaper coverage	20	12	Mass						Farmer Sensitization		
Sundargarh-II	Radio talks	10	07	Mass						Educating Farming Community	Papaya Cultivation, Vermicomposting, Organic Farming, tomato Cultivation, Backyard Poultry	
Sundargarh-II	TV talks	10	00									
Sundargarh-II	Popular articles	04	04	Mass						Educating Farming Community		
Sundargarh-II	Extension Literature	10	11	Mass						Educating Farming Community	Alu Chasa, Biri Chasa, Dhingiri Chatu Chasa, Pala Chatu Chasa, Alasi Chasa, Kadali Chasa, Ghara Aganare	

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
											Banaraja Kukuda Palana, Janiba Katha, Jiakhata, Prusti Sadhana, Bagicha, Potola Chasa, Chatura mulya jukta padartha	
Sundargarh-II	Farm advisory Services	40	40	50	33	18	52			To help farmers for sorting out problems		
Sundargarh-II	Scientific visit to farmers field	150	93	109	98	43	82			Advisory service		
Sundargarh-II	Farmers visit to KVK	360	276	112	80	26	58			Consultancy service		
Sundargarh-II	Diagnostic visits	15	34	120	38	31	08			To help farmers for sorting out problems		
Sundargarh-II	Exposure visits	02	00									
Sundargarh-II	Ex-trainees Sammelan	05	00									
Sundargarh-II	Soil health Camp	04	00									
Sundargarh-II	Animal Health Camp	03	03	58	132	185	138			Control diseases of livestock		
Sundargarh-II	Agri mobile clinic	04	00									
Sundargarh-II	Soil test campaigns	02	00									
Sundargarh-II	Farm Science Club conveners meet	02	00									
Sundargarh-II	Self Help Group conveners meetings	02	00									
Sundargarh-II	Mahila Mandals conveners meetings	02	02	72	59							
Sundargarh-II	Celebration of important days (World environment day)	05	02	00	00	00	100	04	02	Women in agriculture, World Food Day	Women in agriculture, World Food Day	

## 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
Sundargarh-II	01.01.2013	Quarterly	900	500

### 7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Sundargarh-II	Leaflet	Alu Chasa	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan, Sri P.K. Sahoo	500
Sundargarh-II	Leaflet	Biri Chasa	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan, Sri P.K. Sahoo	500
Sundargarh-II	Leaflet	Dhingiri Chatu Chasa	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan, Sri P.K. Sahoo	500
Sundargarh-II	Leaflet	Pala Chatu Chasa	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan, Sri P.K. Sahoo	500
Sundargarh-II	Leaflet	Alasi Chasa	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan, Sri P.K. Sahoo	500
Sundargarh-II	Leaflet	Kadali Chasa	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan, Sri P.K. Sahoo	500
Sundargarh-II	Leaflet	Ghara Aganare Banaraja Kukuda Palana	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan, Sri P.K. Sahoo	500
Sundargarh-II	Leaflet	Janiba Katha	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan, Sri P.K. Sahoo	500
Sundargarh-II	Booklet	Jiakhata	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan, Sri P.K. Sahoo	500
Sundargarh-II	Booklet	Prusti Sadhana Bagicha	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan, Sri P.K. Sahoo	500
Sundargarh-II	Booklet	Potola Chasa	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan, Sri P.K. Sahoo	500
Sundargarh-II	Booklet	Chatura Mulya Jukta Padartha	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan, Sri P.K. Sahoo	500

### 7.3 Details of Electronic Media Produced

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

## 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.)
Sundargarh-II	Nil						
Sundargarh-II	Nil						
Sundargarh-II	Nil						

### 8.2 Planting Material production

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Sundargarh-II	Nil						
Sundargarh-II	Nil						
Sundargarh-II	Nil						
Sundargarh-II	Nil						

### 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.)
Sundargarh-II	Bio Agents	Nil					
Sundargarh-II	Bio Agents	Nil					
Sundargarh-II	Bio Fertilizer	Nil					
Sundargarh-II	Bio Fertilizer	Nil					

### 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
Sundargarh-II	Nil					
Sundargarh-II	Nil					

## 9. Activities of Soil and Water Testing Laboratory

### 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)
Sundargarh-II	Not available	`						

### 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)
Sundargarh-II	Not available	`						

## 10. Rainwater Harvesting

### Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
					Male	Female	Total	Male	Female	Total
Sundargarh-II	Not available									

## 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)
Sundargarh-II			Not available					

## 12. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Sundargarh-II	Not available	-	-	-	-

### 13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Sundargarh-II	08.11.2013	30	OFT for Farm women shall be designed on the basis of resource, space availability and leisure time of Farm women. Nutrient management of crops should be done after soil testing to ensure correctly the deficiency of soil. Bio fertilizer should be adjusted with chemical dose. Source of technology must be mentioned to find out authenticity of the trial. Hybrid seeds should not be used because of lack of authenticity of the source. Consumer preference, growers' performance & market study must be done before selecting any trial or demonstration. Village adoption should be done on farming situation basis and not on block basis.

### 14. 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.		
Sundargarh-II					
Sundargarh-II	25	19233	839	Farmers Portal & Pacific Enterprise Solution	

### 15. 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
Sundargarh-II	ATMA	State	20,000/-	Farmer-Scientists Interaction	Village – Ramjodi, Block – Lathikata, Dist- Sundargarh	Highly appreciated by the farmers who are actively participated in this programme

### 16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Sundargarh-II	32531700738	00	00	No fund released

## 17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Sundargarh-II	Sri Guru Charan Pradhan	Farmer	CIAE, Bhopal	10,000
Sundargarh-II	Sri Guru Charan Pradhan	Farmer	Vibrant Gujrat	51,000
Sundargarh-II	Sri Udaya Chandra Patra	Farmer	OUAT, Bhubaneswar	--

## 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.	Sundargarh-II	No	

### b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Sundargarh-II	Crop Cafeteria	Not established
Sundargarh-II	Technology Desk	
Sundargarh-II	Visitors Gallery	
Sundargarh-II	Technology Exhibition	
Sundargarh-II	Technology Gate-Valve	

### c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
Not available		

## 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.	Sundargarh-II	Sri Guru Charan Pradhan	Multipurpose crop cutting machine	Talita Talita, PS – Bonaigarh, Dist. – Sundargarh, 9437758861
2.	Sundargarh-II	Smt. Reena Behera	Soaking of straw in compact space	Vill. Jamunanakki, Block Kuanmunda, Dist. Sundargarh, 9437378821
3.	Sundargarh-II	Sri Udaya Patra	Vermicomposting in heap method under open sky	Vill. Kuanmunda, Block. Kuanmunda, Dist. Sundargarh 9437194392



## 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.	13.09.13 & 18.09.13	24
2.	15.10.13	50
3.	05.11.13	12
4.	13.12.13 & 18.12.13	40
5.	02.01.14 & 03.01.14	100
6.	07.02.14 & 08.02.14	25

## 21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Sundargarh-II	5	12	15	40

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
1.	Not applicable			

## 23. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1.	Sundargarh-I, Jharsuguda	Human Resource, Exhibits, SAC, Farmers' Fair, Exhibition, Workshop	Organizing mega events Farmers' Fair, Exhibition, Workshop is easy and successful if human resources of KVKs are pooled together

## 24. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Sundargarh-II	Prof. S.S. Nanda	22.02.14		SAUs		
Sundargarh-II	Prof. R.K. Raj	07.11.13		SAUs		
Sundargarh-II	Dr. S. Mandal	07.11.13	ICAR			
Sundargarh-II	Dr. J. Padhy	07.02.14		SAUs		

Sundargarh-II	Dr. S. Dash	07.02.14		SAUs		
Sundargarh-II	Dr. S Mishra	07.02.14		SAUs		
Sundargarh-II	Dr. S.K Swain	07.02.14		SAUs		

### 25. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1.	Sundargarh-II	Under construction will start & available by 15.04.2014		

### 26. E-CONNECTIVITY

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			
Sundargarh-II	Not available						

### 27. Status of RTI

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

### 28. Status of Citizen Charter

Sr. No.	Name of KVK	Query received( Nos)	Query Disposed( Nos)	Remarks
1.	Sundargarh-II	298	298	-

**29. Attended HRD Programmes organized by ZPD**

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Sundargarh-II	Nil	-	-	-
	<b>Total</b>	-	-	-

Name of KVK	Total Number of staff Attended HRD Programme organized by ZPD (nos)	Total Number of Programme attended (Nos)
Sundargarh-II	Nil	-

**30. Attended HRD Programmes organized by DES**

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Sundargarh-II	Mr. J.K. Pati	Programme Coordinator	02	Orientation of PCs, Orientation Training for SMS, Extension
Sundargarh-II	Mrs. B.L. Sahu	SMS (Home Science)	03	Joint action plan with Horticulture, Drudgery reduction
Sundargarh-II	Mr. S.K. Pradhan	SMS (Horticulture)	02	Precision farming, Joint action plan with Home science
Sundargarh-II	Mr. P.K. Sahoo	Prog. Asst. (Ag.)	03	Orientation, Crop production, Soil fertility management
Sundargarh-II	Mr. S. Mohanty	Prog. Asst. (Computer)	01	Development of work competency of Computer Programme of Odisha KVKs

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Sundargarh-II	05	11

**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
Sundargarh-II	Nil	-	-	-

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Sundargarh-II	Nil	-

### 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
Sundargarh-II	Nil		
Sundargarh-II			
Sundargarh-II			

### 33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Sundargarh-II	Animal Health Camp	03	350	Deworming, General health check up, Awareness
Sundargarh-II	Road Show on Organic Farming	01	100	Awareness campaign on agricultural practices
Sundargarh-II	SHG Convention	01	100	Mobilization of SHGs on group activity

### 34. INTERVENTIONS ON DROUGHT MITIGATION

#### Introduction of alternate crops/varieties

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

#### Major area coverage under alternate crops/varieties

Name of KVK	Crops	Area (ha)	Number of beneficiaries
Sundargarh-II	-	-	-

#### Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No. of participants
Sundargarh-II	-	-	-
Sundargarh-II	-	-	-
Sundargarh-II	-	-	-
Sundargarh-II	-	-	-

#### Animal health camps organized

Name of KVK	Number of camps	No. of animals	No. of farmers
Sundargarh-II	-	-	-

### Seed distribution in drought hit states

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

### Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
<b>Seedlings</b>				
Sundargarh-II	-	-	-	-
Sundargarh-II	-	-	-	-
Sundargarh-II	-	-	-	-

### Bio-control Agents

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

### Bio-Fertilizer

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

### Verms Produced

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

### Large scale adoption of resource conservation technologies

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

### 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
Sundargarh-II	-	-	-	-	-	-	-	-	-	-	-	-

## 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			Total
	Farmers	Farm Women	Official	
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

### 3. Proposed Training Activities in NICRA Village

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

### 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**

Name of the KVK, **TITLE**, **Introduction**, KVK intervention, Output, Outcome, Impact

<b>Sr. no.</b>	<b>Name of KVK</b>	<b>No. of success stories</b>	<b>No. of case studies</b>
<b>1.</b>	<b>Sundargarh-II</b>	<b>01</b>	<b>01</b>

**Name of KVK: KVK, Sundargarh-II, Rourkela**

**Title: Kharif Onion – A New Hope for Sundargarh farmers**

**Introduction:** Onion is a highly remunerative crop for Sundargarh farmers being cultivated in around 1472 ha. But the cultivation practice of Onion was only confined to Rabi season only. Since last few years, it has been observed that due to insufficient supply of onion results serious price hike during off season. Realizing this situation KVK, Rourkela to introduce kharif onion var. Agri Found Dark Red under On Farm Trials programme.

**Intervention:** As the farmers were not aware about the package and practices of cultivating of kharif onion, they were not thoroughly trained about it. The seedling raising was done in raised bed equipped with poly tunnel to protect them from rain fall and give it a conclusive environment to grow. Transplanting was done in the last week of August in broad based furrow method. All the cultivation practices like Nutrient Management, Integrated Pest Management, Integrated Disease Management schedule was recommended in time. During the growth period no significant disease pest attack was observed.

**Output:** The Onion was harvested in the month of December. The average yield was about 180 qtl/ ha. In December itself the price of the Onion was around Rs. 20/- per kg and the farmers got a bumper return. The net profit was Rs. 1,62,000 per ha.

**Outcome:** The Farmers were delighted with their increased income and they are confident about the proper package of practices.

**Impact:** The farmers have decided to multiply the area of cultivation. It is expected that the horizontal spread will be around 300 ha. in coming year in the nearby villages.

**Name of KVK: KVK, Sundargarh-II, Rourkela**

**Title: Women Empowerment through Mushroom cultivation**

**Introduction:** Shanti SHG of Jamuna Naki village in Kuanrunda block consist of 10 landless farm women. They are involved in various farming activities but without proper knowledge & skill. Observing their keen interest in Income Generation KVK, Rourkela supported and guided the group for Mushroom cultivation.

**Intervention:** During the summer season the group was thoroughly trained about Mushroom cultivation starting from cutting, wetting, sterilizing of straw till final bed preparation by the KVK scientists through practical demonstration. The group was also supported with Mushroom spawn and polythene and proper follow up for management of beds was taken up. The same process was repeated by the KVK team during the Rabi season for oyster mushroom also.

**Output:** An average yields of 1.2 kg/ bed in case of rice straw Mushroom which could fetch them Rs. 180 per bed at the cost of Rs. 50/- which was spent for raising a bed. A net profit of Rs. 54,700/- was quite encouraging to the SHG members. The processes were repeated during the Mushroom also. A net profit of Rs. 21,800/- was achieved from 500 beds during the period December to February 2014.

**Outcome:** The SHG was highly motivated and established regular market linkage with the Mushroom outlets in Rourkela city. Now they are in the process of supplying 50 kg of Mushroom per day to the market. SHGs in the nearby area are also impressed with their success.

**Impact:** The economic return boosted the moral; and self confidence of the rural women. They have achieved economic independence through group action.

**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) –**

**Attached**