

# **ANNUAL PROGRESS REPORT**

**April 2014 to March 2015**

**KVK, Sundargarh-II, Rourkela**

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## **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.)	
<b>1</b>	<b>On Farm Testing</b>			
	Proposed OFT	10		130
	On Going OFT	02		26
	Technologies assessed (Completed OFT)	07		91
	Technologies refined			
	On farm trials conducted	09		117
<b>2</b>	<b>Frontline demonstrations</b>			
	Proposed Frontline demonstrations	20		450
	On Going Frontline demonstrations	01		10
	FLDs conducted on crops	16		410
	Area under crops (ha.)	26.5		410
	FLD on farm implement and tools	01		10
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	02		20
	FLD on Fisheries - Finger lings	00		00
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)	02		100
	FLD on Women in Agriculture - ( Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)	01		10
<b>3</b>	<b>Training programmes</b>	<b>No. of Course</b>	<b>Duration (days)</b>	<b>Participants</b>
	Farmers	27	01	675
	Farm women	16	01	400
	Rural youth	06	02	90
	Extension personnel/ In service	03	02	39
	Vocational trainings	01	03	10
	Sponsored Training	01	01	40
	<b>Total</b>	54		1254
		<b>No. of programmes</b>	<b>Participants</b>	
<b>4</b>	<b>Extension Programmes</b>	539		3340
<b>5</b>	<b>Production of technology inputs etc</b>	<b>Qty</b>	<b>Beneficiaries (nos.)</b>	
	Seed (qt.)	nil		Nil
	Planting material produced (nos.)	Nil		Nil
<b>6</b>	<b>Livestock</b>	<b>Qty</b>	<b>Beneficiaries (nos.)</b>	
	Livestock strains ( Nos)	Nil		Nil
	Milk Yield - Cow, Buffelo etc. (in liter)	Nil		Nil
	Fish (Kg.)	Nil		Nil
	Fingerlings (nos.)	Nil		Nil
	Poultry-Eggs (nos.)	Nil		Nil
	Ducks (nos.)	Nil		Nil
	Chicks etc. (nos.)	Nil		Nil

7	<b>Bio Products</b>		<b>Qty</b>	<b>Beneficiaries (nos.)</b>
		Bio Agents -Earth worm (Kg.)	Nil	Nil
		Trichoderma (kg.)	Nil	Nil
		Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	Nil	Nil
		Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)	Nil	Nil
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.)	11	
		KVK News letter	04	
		SAC Meetings conducted	01	30
		Soil sample tested	Nil	Nil
		Water sample tested	Nil	Nil
		RWH System (Special training and field visit on RWH structure and MIS in KVKs)	Nil	Nil
		KVK-KMA (Message and beneficiaries)	72	5494
		Convergence programmes	01	50
		Sponsored programmes	01	40
		KVK Progressive Farmers interaction	11	296
		No. of Technology Week Celebrations	01	250
		Attended HRD activities organized by ZPD	02	02
		Attended HRD activities organized by DES	02	02
		Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc. )	Nil	Nil
9	Current status of Revolving Funds ( Amt. in Rs.)			
10			<b>No. of blocks</b>	<b>No. of villages</b>
	Outreach of KVK in the District		08	55
11			<b>ICAR</b>	<b>SAU</b>   <b>Others</b>
	No. of important visitors to KVK (nos.)			03
12			<b>Working (Yes/No)</b>	<b>No. of Update</b>
	Status of KVK Website		Yes	29
13			<b>Application received</b>	<b>Application disposed</b>
	Status of RTI (nos.)		Nil	Nil
14			<b>Query received</b>	<b>Query dissolved</b>
	Citizen Charter (nos.)		Nil	Nil
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)		02	
18	Publication received from ICAR /other organization (nos.)		02	
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)		Nil	Nil

# 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
Sundargarh-II	16	01	01	06	02	03	01	06	01	16	04

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
Sundargarh-II	Programme Coordinator	Jayanta Kumar Pati	Ag. Extension	M.Sc. (Ag.)	Ag. Extension	15,600-39,100/-	22,220/-	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/-	22,220/-	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	Vacant								
Sundargarh-II	Farm Manager	Vacant								
Sundargarh-II	Computer Programmer	Somadutta Mohanty	Computer Science	M. Tech. (IT)	Information Technology	9,300-34,800/-	14,670/-	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>Highest degree</b>	<b>Subject of specialization</b>	<b>Pay scale</b>	<b>Present pay</b>	<b>Date of joining</b>	<b>Per./Temp.</b>	<b>Category</b>
<b>Sundargarh-II</b>	Driver	Vacant								
<b>Sundargarh-II</b>	Supporting staff	Harihar Mohapatra	Peon	Matric		4,750-14,680	4,750/-	22.11.2014	Temporary	General
<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	15	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	Yield enhancement of cereals, pulses, fruits, vegetable through improved crop management strategies
Sundargarh-II	Management of Acid soils for higher productivity
Sundargarh-II	Water Management and Soil Conservation
Sundargarh-II	Increase yield by substituting local/ degraded varieties in vegetables
Sundargarh-II	Ameliorate the problem of micro nutrient deficiency in soil
Sundargarh-II	Emphasize on cultivation of lucrative off-season vegetables
Sundargarh-II	Introduce crop diversification in uplands
Sundargarh-II	Emphasize on increasing the acreage of the fruit crops like mango & banana
Sundargarh-II	Varietal substitution of short duration paddy in uplands
Sundargarh-II	Introduce use of organic inputs in vegetables
Sundargarh-II	Drudgery reduction of Farmwomen
Sundargarh-II	Promote nutritional garden in backyard



Sundargarh-II	Promote preservation and value addition through WSHGs
Sundargarh-II	Economic empowerment of women through alternate income generating activities
Sundargarh-II	Integrated Nutrient Management
Sundargarh-II	Integrated Insect Pest Management
Sundargarh-II	Integrated Disease Management

#### 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
Sundargarh-II	Distress sale of paddy 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 paddy 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 paddy straw in the field.	PRA, Group Discussion and Response Analysis	Karimati, Nuagaon
Sundargarh-II	Decline of cattle population due to unavailability of fodder and low yield of milk from indigenous milch cow.	PRA, Group Discussion and Response Analysis	Kansar, Lathikata
Sundargarh-II	Poor egg laying capacity and high mortality of indigenous poultry bird.	PRA, Group Discussion and Response Analysis	Birkeri, 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 paddy 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 house hold 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> )	T <sub>3</sub>	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T <sub>3</sub>	
Sundargarh II	2014-15	Khari f	Low yield due to Boron deficiency in acid soils of Sundargarh district	Assessment of Borax application in Groundnut	Assessment	Integrated Nutrient Management	Crop	Rainfed	13	12.5	14.1		24,500	30,500		
Sundargarh II	2014-15	Khari f	Low yield due to imbalanced application of nutrients	Assessment of Nutrient Management in Maize	Assessment	Integrated nutrient management	Crop	Rainfed	13	31.4	37.5		20120	28700		
Sundargarh II	2014-15	Khari f	Low yield of Colocasia due to use of local	Assessment of Colocasia var. Muktakeshi	Assessment	Varietal Replacement	Crop	Rainfed	13	198	236		1,03,500	1,37,800		Variety muktakeshi has a good taste, and least leaf spot symptoms

			degenerate varieties (Pani Saru, Kuji Saru)													appears as compare to local
Sundargarh II	2014-15	Kharif	Low yield of brinjal due to severe infestation of weeds and manual weeding is highly expensive	Assessment of weedicide Pendimethalin in Brinjal	Assessment	Integrated weed management	crop	Rainfed	13	308.69	339.6	1,27,269	1,46,469			Pendimethalin is effective in controlling weeds up to 5-6 weeks after its application
Sundargarh II	2014-15	Late kharif	High market price and low supply during lean period	Assessment of Kharif potato var. Kufri Jyoti	Assessment	Crop Diversification	crop	Rainfed	13		172		1,49,500			Kufri Jyoti found to be an alternative crop for upland in late kharif, and farmer can take the 2 <sup>nd</sup> crop of potato after its harvest
Sundargarh II	2014-15	Rabi	Low yield of tomato due to repeated use of same cultivar and unavailability of better varieties than the existing one	Assessment of Tomato var. Swarna Sampad	Assessment	Varietal replacement	crop	Rainfed	13	325	442	1,47,800	2,36,100			Swarna Sampad found to be an excellent yielder in compare to the local leading varieties and it is resistant to early blight, and bacterial wilt. The only thing to make worry is its thin skin

## 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 Borax application in Groundnut	No. of pods	7	8	38000	40,000		62500	70500		24500	30500		1.64	1.77	
Sundargarh II	Assessment of Nutrient Management in Maize	Wt of grains /cob	60 g	70 g	36400	38700		56520	67500		20120	28700		1.56	1.75	
Sundargarh II	Assessment of Colocasia var. Muktakeshi	Corn wt/clumps	178 g	214 g	94,500	98,200		1,98,000	2,36,000		1,03,500	1,37,800		2.09	2.4	
Sundargarh II	Assessment of weedicide Pendimethalin in Brinjal	No of weeds per sqm	20.23	4.07	1,04,250	1,08,300		2,31,519	2,54,769		1,27,269	1,46,469		2.21	2.35	
Sundargarh II	Assessment of Kharif potato var. Kufri Jyoti	Wt of tuber (gm.)		68.89		1,08,500			2,58000			1,49500			2.37	
Sundargarh II	Assessment of	Wt of fruit (gm.)	61.92	68.8	11200	117500		2,60,000	3,53000		1,47800	2,36100		2.31	3.09	

Tomato var. Swarna Sampad																			
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### 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	2014-15	Late Rabi	High drudgery of Farmwomen Mahua seed decortication	Assessment of Mahua seed decorticator for drudgery reduction of Farm women	Assessment	Drudgery reduction	Use of Mahua seed decorticator	Less time, less fuel & labour saving	Homestead	13	On going
Sundargarh-II	2013-14	Rabi	Local varieties give low yield, irregular fruiting and fruit size.	Assessment of Papaya var, Red Lady for nutritional garden	Assessment	Varietal replacement	Papaya var, Red Lady for nutritional garden r	Early fruiting, uniform fruit size, more yield	Homestead	13	On going
Sundargarh-II	2013-14	Rabi	No production of paddy straw mushroom during winter which has high market demand	Assessment of production of paddy straw mushroom during winter season under low cost poly house	Assessment	Varietal replacement	Cultivation of paddy straw mushroom in winter season inside poly house (size20ft.10ft.10ft)	The temperature inside poly house is avg 9.2degree celcius more than atmospheric temp. and facilitates mycelium growth	Homestead	2	During off season due to high market demand return is more.

## 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/mi n		% reducti on in drudger y		% increas e in efficien cy		Production per unit		Cost of input		Incremen tal income		Yield(Kg/ha)		Net Return		Savi ng in Rs	BC rati o
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Sundargarh-II	Assessment of production of paddy straw mushroom during winter season under low cost poly house											120	850 kg	500	750	840	1700	1.2kg/bed(oy ester mushroom)	730gm/bed	340	860	4200	1.34
Sundargarh-II	Assessment of Papaya var, Red Lady for nutritional garden	ongoing																					
Sundargarh-II	Assessment of Mahua seed decorticator for drudgery reduction of Farm women											ongoing											

## 2.5 Feedback from KVK to Research System

Name of KVK	Feedback
Sundargarh-II	Though, Tomato var. Swarna Sampad is an excellent yielder, but it is not so much appreciated by the traders due to its thin skin

Sundargarh-II	Variety muktakeshi has a good taste and least leaf spot symptoms appears as compare to local
Sundargarh-II	Pendimethalin is effective in controlling weeds up to 5-6 weeks after its application
Sundargarh-II	Kufri Jyoti found to be an alternative crop for upland in late Kharif and farmer can take the 2 <sup>nd</sup> crop of potato after its harvest
Sundargarh-II	Swarna Sampad found to be an excellent yielder in compare to the local leading varieties and it is resistant to early blight, and bacterial wilt. The only thing to make worry is its thin skin



### 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	Tomato	Varietal Replacement	Demonstration on wilt tolerant Tomato Utkal Raja	Training, Field Day, visit of extension personnel to the farmers field	02	07	1.5
Sundargarh-II	Capsicum	Varietal Replacement	Demonstration of Capsicum Var. California Wonder	Training, Field Day, visit of extension personnel to the farmers field	05	30	12.0
Sundargarh-II	Radish	Integrated Nutrient Management	Demonstration of Nutrient Management in Kharif Radish	Training, Field Day, visit of extension personnel to the farmers field	05	20	3.0
Sundargarh-II	Citrus	Integrated Nutrient Management	Demonstration of Planofix in controlling fruit drop in Citrus	Training, Field Day, visit of extension personnel to the farmers field	03	08	5.0
Sundargarh-II	Sunflower	Integrated Nutrient Management	Demonstration on Boron in Sunflower	Training, Field Day, visit of extension personnel to the farmers field	10	25	10.0
Sundargarh-II	Brinjal	Integrated Nutrient Management	Demonstration on Nutrient Management in Brinjal	Training, Field Day, visit of extension personnel to the farmers field	10	30	15.0
Sundargarh-II	Okra	Integrated Nutrient Management	Demonstration of Nutrient Management in Okra	Training, Field Day, visit of extension personnel to the farmers field	08	20	7.0
Sundargarh-II	Tomato	Integrated Nutrient Management	Demonstration on Effect of Vermicompost in Tomato for yield enhancement	Training, Field Day, visit of extension personnel to the farmers field	05	10	10.0
Sundargarh-II	Utkal Niger 150	Varietal replacement	Demonstration on Oilseed	Training, Field Day, visit of extension personnel to the farmers field	10	50	60
Sundargarh-II	Mustard Parvati	Varietal replacement	Demonstration on Oilseed	Training, Field Day, visit of extension personnel to the farmers field	05	20	10.0
Sundargarh-II	Blackgram TU-94-2	Varietal replacement	Demonstration on Pulses	Training, Field Day, visit of extension personnel to the farmers field	05	20	10.0
Sundargarh-II	Greengram PDM-139	Varietal replacement	Demonstration on Pulses	Training, Field Day, visit of extension personnel to the farmers	04	08	5.0

II				field			
Sundargarh-II	Vanaraja	Income generation	TSP on backyard poultry	Training, Field Day, visit of extension personnel to the farmers field	25	500	10000 nos.
Sundargarh-II	Bantala	Income generation	TSP on Banana cultivation	Training, Field Day, visit of extension personnel to the farmers field	05	25	6.0
Sundargarh-II	Vegetables	Income Generation	TSP on Kitchen Gardening	Training, Field Day, visit of extension personnel to the farmers field	10	40	3.0

**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/Entreprizes	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	2014-15	Kharif	Integrated nutrient management	Demonstration of application of Calcium Nitrate in kharif Tomato	Tomato	Application of Calcium Nitrate on kharif tomato	1ha	210	230.5	10	00	02	08	00	10
Sundargarh II	2014-15	Kharif	Varietal evaluation	Demonstration of short duration paddy variety sahabagi	Paddy	Demonstration of Sahabagi Paddy in upland	1 ha	27	31.25	15.75	00	5	5	00	10
Sundargarh II	2014-15	Kharif	Varietal evaluation	Demonstration of turmeric variety Roma	Turmeric	Popularization of turmeric variety Roma	0.2 ha	80 (wt of dry rhizome)	94.5 (wt of dry rhizome)	18	1	2	7	00	10
Sundargarh II	2014-15	Kharif	Integrated crop management	Demonstration of Kharif Onion Agri found Dark Red	Onion	Demonstration of Kharif Onion	1.0 ha		173		00	4	6	00	10
Sundargarh II	2014-15	Rabi	Varietal evaluation	Demonstration of Chilly Variety Utkal Ava	Chilly	Demonstration of chilly variety Utkal Ava	1.0 ha	96	110	14.6	00	4	6	00	10
Sundargarh II	2014-15	Rabi	Integrated nutrient management	Effect of Ethrel in Pumpkin	Pumpkin	Application of ethrel in pumpkin	1.0	275	307	11.67	1	4	5	00	10
Sundargarh II	2014-15	Kharif	Varietal replacement	Demonstration on management of Niger	Niger	Demonstration of Niger var. Utkal Niger-150	5.0	5.7	7.6	36	2	10	8	00	20
Sundargarh II	2014-15	Kharif	Varietal replacement	Demonstration on management of Blackgram	Blackgram	Demonstration of Blackgram var. PU-31	5.0	7.3	8.8	20.5	2	14	4	00	20
Sundargarh II	2014-15	Rabi	Varietal replacement	Demonstration on management of Mustard	Mustard	Demonstration of Mustard var. Parvati	5.0	8.5	10.4	22.35	2	6	12	00	20
Sundargarh II	2014-15	Rabi	Varietal replacement	Demonstration on management of Greengram	Green gram	Demonstration of Greengram var. IPM-14-2	5.0	7.2	8.5	18.0	6	4	10	00	20

Sundargarh II	2014-15	Rabi	Integrated crop management	Demonstration of Pea cultivation under TSP	Pea	Demonstration of Pea cultivation under TSP	8.0	84	98	17.0	00	29	00	00	29
Sundargarh II	2014-15	Rabi	Backyard poultry	Backyard poultry	Backyard poultry	Rearing of Rainbow Rooster poultry in backyard	1000 birds	1.8 kg. body wt.	2.4 kg. body wt.	33.0	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 of application of Calcium Nitrate in kharif Tomato	Tomato	Fruits affected by blossom end rot per sq. mt.	8	2	1,03,500	1,07,000	2,31,000	2,53,550	1,27,500	1,46,550	2.23	2.37
Sundargarh II	Demonstration of short duration paddy variety sahabagi	Paddy	No of tillers	11	13	25,000	27,000	32,400	37,500	7,400	10,500	1.29	1.38
Sundargarh II	Demonstration of turmeric variety Roma	Turmeric	Avg rhizome wt	130 g	160g	1,42,500	1,55,350	3,20,000	3,78,000	1,77,500	2,22,650	2.24	2.43
Sundargarh II	Demonstration of Kharif Onion Agri found Dark Red	Onion	Wt of bulb		75 gm		102,500		259,500		1,57,000		2.54
Sundargarh II	Demonstration of Chilly Variety Utkal Ava	Chilly	Avg no of fruits per plant	70	81	73,750	76,200	1,53,600	1,76,000	79,850	99,800	2.1	2.3
Sundargarh II	Effect of Ethrel in Pumpkin	Pumpkin	No. of Fruits per plant	4	5	62,500	64,700	1,37,500	1,53,000	75,000	88,800	2.2	2.38
Sundargarh II	Demonstration on management of Niger	Niger	No of branches per plant	4	5	14,750	16,800	28,500	38,000	13,750	21,200	1.93	2.26
Sundargarh II	Demonstration on management of Blackgram	Blackgram	No of pods per plant	42	53	20,000	21,800	36,500	44,000	16,000	21,700	1.82	2.02
Sundargarh II	Demonstration on management of Mustard	Mustard	No of siliqua per plant	88	110	23,200	25,350	42,500	52,000	19,300	26,650	1.83	2.05

Sundargarh II	Demonstration on management of Greengram	Greengram	No. of pods per plant	35	44	21,200	23,500	54,000	63,750	32,800	40,250	2.54	2.71
Sundargarh II	Demonstration on management of Pea	Pea	No. of Fruits per plant	13	16	80,000	85,500	1,68,000	1,96,000	88,000	1,10,500	2.1	2.3
Sundargarh II	Demonstration on Backyard poultry under TSP	Backyard poultry	No. of eggs	60	180	1,000 per 10 birds	1,500 per 10 birds	2,500	5,700	1,300	4,200	2.5	3.8

### 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/Enterprizes	Farming Situation	Proposed area (ha)	No. of Beneficiaries
Sundargarh-II	2014-15	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	2014-15	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	2014-15	Kharif	Income generation	Rearing of local breed of poultry yields low production of meat and egg	Demonstration on Rainbow rooster poultry in backyard	Poultry	Rearing of Rainbow rooster poultry followed by proper vaccination and health care management	Homestead	500 nos. poultry birds	10
Sundargarh-II	2014-15	Rabi	Drudgery reduction	Drudgery in Paddy parboiling	Demonstration on Paddy parboiling drum	Parboiling	Paddy parboiling using Paddy parboiling drum	Homestead	10 nos.	10
Sundargarh-II	2014-15	Kharif	Income generation	Low income of farmwomen by cultivating marigold	Demonstration of Gladioli in Backyard for Income Generation of	Gladioli	Peter pear, Red beauty	Homestead	0.2	10

					Farm women				
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### 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	B C 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	-	-	-	-	-	-	-	-	-	-	720g m./bag	1.4kg./bag	40/-	40/-	52.5	77/-	72kg./100bags	140kg./100bags	1040	5800/-	2,450/-	1.9
Sundargarh-II	Demonstration on rice straw mushroom	-	-	-	-	-	-	-	-	-	720g m./bed	1.250kg./bed	80/-	80/-	160/-	240/-	80kg./100beds	120kg./100beds	8,000/-	16,000/-	8,000/-	3.0	
Sundargarh-II	Demonstration on rainbow rooster poultry in backyard	-	-	-	-	-	-	-	-	-	On going												
Sundargarh-II	Demonstration of Gladioli in Backyard for Income Generation											120qtl .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



Sundargarh-II	Demonstration of Kharif Onion Agri found Dark Red	Use of Onion seeds 8 kg./ ha., use of balanced nutrient and need based plant protection measures, use of growth regulator for checking sprouting	It proved to be an better alternative crop in upland situation	
Sundargarh-II	Use of paddy parboiling unit saves time and labour in parboiling process	Home visit & method demonstration	Around 112% change in quantity of produce in compare to traditional practice	SHGs plans to purchase it for group use and hiring
Sundargarh-II	Cultivation of Gladioli in backyard by proper package of practices provides good return to the farm women	Personal interview & interaction during field visits	Around 25% change in yield in compare to farmer practice	Other farm women decided to produce in the village on cluster basis
Sundargarh-II	Rearing of Backyard 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 improved breeds

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

Name of KVK	Feedback basic of OFT on Technology Tested
Sundargarh-II	Production of off season paddy straw is quite remunerative

#### 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	15.4.14, Jamunanaki	15
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	26.4.14, Jalda	22
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	2.5.14, Jalda	23
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	2.6.14, Gutidarah	20
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	19.9.14, Khatankudar	15
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	29.9.14, Khatankudar	20
Sundargarh-II	RY	PRA, Focus group discussion observation, Response Analysis	8.10.14, Chikitia	30
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	5.11.14, Sanadalakudar	45



Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	14.12 14, Patrapalli	29
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	21.1.15, Khatankudar	32
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	26.02.15, 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	HOT	Cultivation technique of colocasia	01	01	00	00	01	00	03	00	21	00
Sundargarh II	FW	OFC	HOS	Cultivation technique of Turmeric	01	01	00	00	00	00	01	01	15	08
Sundargarh II	FW	OFC	HOV	Cultivation technique of Kharif Radish	01	01	00	00	02	01	03	00	15	04
Sundargarh II	FW	OFC	HOV	Nutriens management in Cucurbits	01	01	00	00	00	00	21	04	00	00
Sundargarh II	FW	OFC	HOV	Cultivation technique of Off season vegetables	02	02	01	00	02	00	18	06	18	05
Sundargarh II	FW	OFC	HOF	Cultivation technique of Papaya	01	01	00	00	00	00	03	00	18	04
Sundargarh II	FW	OFC	HOF	Cultivation technique of Banana	01	01	00	00	00	00	25	00	00	00
Sundargarh II	FW	OFC	HOS	Cultivation technique of Chilly	01	01	00	00	00	00	07	18	00	00
Sundargarh II	FW	OFC	HOT	Cultivation technique of Kharif potato	01	01	00	00	03	00	04	00	18	00
Sundargarh II	FW	OFC	HOV	Nutrient management in solanaceous vegetables	01	01	00	00	00	00	11	14	00	00
Sundargarh II	FW	OFC	HOV	Role of micro nutrients in cole crops	01	01	00	00	00	00	14	06	05	00
Sundargarh II	FW	OFC	HOV	Physiological disorder of cole crops & their remedial measures	01	01	00	00	00	00	06	01	09	09
Sundargarh II	FW	OFC	HOV	Use of bio-fertilizer in vegetable crops	01	01	00	00	00	00	24	00	01	00
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

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	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 vegetable crops	01	02	00	00	00	00	15	00	00	00
Sundargarh-II	RY	OFC	HOF	Planning and layout of orchards	01	02	00	00	00	00	11	00	04	00
Sundargarh II	RY	OFC	HOF	Planning and layout of orchards	01	02	00	00	01	00	01	00	13	00
Sundargarh II	RY	OFC	HOV	Nursery raising techniques of vegetable crops	01	02	00	00	00	00	15	00	00	00
Sundargarh II	IS	OFC	PLP	Importnt diseases of vegetable crops and its	01	01	02	02	00	01	02	00	07	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
				control measures										
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	Commercial propagation techniques of fruit crops	Crop	Lack of awareness and unavailability of planting material	03	00	00	00	00	10	00	00	00
Sundargarh-II	Livelihood options for SHG groups	Enterprise	Capacity Building	03	01	01	00	04	00	00	00	21
Sundargarh-II	Cultivation practice of oyster mushroom	Crop	Income Generation	03	01	01	00	00	00	00	00	22

**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/RY/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	Workshop on Gender Sensitization	Women empowerment	WOE	FW	01	01	11	05	06	02	02	01	08	05	Odisha Gender Resource Centre, OUAT, Bhubaneswar	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)	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	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	125	36	75	13 kg./10 birds	2.25kg./ 10 birds	900	1550/-	% change in production-73%
Sundargarh-II	Preservation of seasonal fruits & vegetables	50	30	65	7-10 kg./ household	25-30 kg./ household	750/-	1,200/-	150 numbers adopted
Sundargarh-II	Cultivation technique of colocasia	25	10	40	198	236	1,03,500	1,37,800	Knowledge gain % - 60, Skill gain % - 40, Adoption Rate%- 15
Sundargarh-II	Cultivation technique of Turmeric	25	15	45	80	94.5	2,14,300	2,46,900	Knowledge gain % - 50, Skill gain % - 30, Adoption Rate% - 10
Sundargarh-II	Cultivation technique of Kharif Radish	25	12	42	95	115	80,000	1,10,000	Knowledge gain % - 50, Skill gain % - 30, Adoption Rate%- 10

Sundargarh-II	Nutrients management in Cucurbits	25	15	45	150	180	75,000	88,800	Knowledge gain % -60, Skill gain % - 40, Adoption Rate% – 15
Sundargarh-II	Cultivation technique of Off season vegetables	25	13	42	110	150	97,000	1,57,000	Knowledge gain % - 70, Skill gain % - 50, Adoption Rate% - 20
Sundargarh-II	Cultivation technique of Papaya	25	11	44	290	475	1,45,000	2,75,000	Knowledge gain % - 70, Skill gain % - 50, Adoption Rate%-15
Sundargarh-II	Cultivation technique of Banana	25	10	40	210	290	1,30,000	2,15,000	Knowledge gain % - 70, Skill gain % - 50, Adoption Rate%-20
Sundargarh-II	Cultivation technique of Chilly	25	10	40	96	110	79,850	99,800	Knowledge gain % - 60, Skill gain % - 40, Adoption Rate% - 20
Sundargarh-II	Cultivation technique of Kharif potato	25	10	40		172		1,49,500	Knowledge gain % - 60, Skill gain % - 40, Adoption Rate% - 15
Sundargarh-II	Nutrient management in solanaceous vegetables	25	12	46	180	215	80,000	1,15,000	Knowledge gain % - 60, Skill gain % - 40, Adoption Rate% - 10
Sundargarh-II	Role of micro nutrients in cole crops	25	13	42	205	240	1,05,000	1,40,000	Knowledge gain % - 60, Skill gain % - 40, Adoption Rate%- 15
Sundargarh-II	Physiological disorder of cole crops & their remedial measures	25	10	40	210	240	1,10,000	1,40,000	Knowledge gain % - 60, Skill gain % - 40, Adoption Rate%- 12
Sundargarh-II	Use of bio-fertilizer in vegetable crops	25	15	45	210	245	1,08,000	1,42,000	Knowledge gain % - 50, Skill gain % - 25, Adoption Rate%- 07
Sundargarh-II	Planning and layout of Kitchen Garden	25	12	42	130	160	80,000	1,00,000	Knowledge gain % -60, Skill gain % - 35, Adoption Rate%- 15

### 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		

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			
										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 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									



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	Animal Health Camp	02	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
KVK Sundargarh-II	01.01.2013	Quarterly	5000	3600

### 7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Sundargarh-II	Leaflet	Chatu ra uttpadan	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan,	1000
Sundargarh-II	Booklet	Panipariba phasalare poka parichalana	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan,	500
Sundargarh-II	Booklet	Dhana phasalare poka parichana	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan,	500
Sundargarh-II	Leaflet	Potala Chassa	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan,	1000
Sundargarh-II	Leaflet	Ambo Chassa	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan,	1000
Sundargarh-II	Leaflet	Sorisha Chassa	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan,	1000
Sundargarh-II	Leaflet	Simla Lanka Chassa	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan,	1000
Sundargarh-II	Leaflet	Amrutabhandha Chassa	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan,	1000

			Pradhan,	
Sundargarh-II	Leaflet	Ghara Agana re kukuda palana	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan,	1000
Sundargarh-II	Booklet	Lata jatiya phasalara baisayika diga	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan,	500
Sundargarh-II	Leaflet	Unnata pranalire muga chasa	Sri J.K. Pati, Smt. B.L. Sahu, Sri S.K. Pradhan,	1000

### 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						

### 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						

### 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					

### 9. Activities of Soil and Water Testing Laboratory

#### 9.1 Details of soil samples analyzed so far: Not Available

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	No. of quarters	Reasons for vacant quarters, if any

			<b>occupied</b>	<b>vacant</b>	
Sundargarh-II	Not	Available	-	-	-

### 13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Sundargarh-II	05.11.2014	30	<ul style="list-style-type: none"> <li>➤ Crop diversification programmes to be continued.</li> <li>➤ Kharif Potato, Kharif Onion and Kharif Tomato should be encouraged.</li> <li>➤ Popularization of Value added Maize crops such as Baby corn &amp; Sweet Corn to be taken up.</li> <li>➤ Horizontal spread of Mustard, Turmeric, Niger to be increased.</li> <li>➤ High Yield Variety Ginger and Tomato to be included in Action Plan.</li> <li>➤ Value addition of Mohua to be taken up.</li> <li>➤ Backyard Poultry to be further encouraged and strengthened.</li> <li>➤ Knowledge and skill development on vegetable cultivation for Farm Women should be emphasized.</li> <li>➤ Mushroom cultivation should be given importance.</li> <li>➤ Use of organic inputs to be encouraged.</li> <li>➤ Grooming of farmer promoter to be started.</li> <li>➤ Create awareness in Linseed, Sunflower cultivation to repel Elephant menace.</li> </ul>

### 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	72	5204	290	Farmers Portal	Crop, Livestock, Weather, Marketing, Awareness, Other enterprise

### 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	Central	20,000/-	Farmers-Scientists Interaction	Sundargarh	

### 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	OUAT Foundation Day Felicitation	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

## 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 participated
1.	15.4.14	15
2.	26.4.14	22
3.	2.5.14	23
4.	2.6.14	20
5.	19.9.14	15
6.	29.9.14	20
7.	8.10.14	30
8.	5.11.14	45
9.	14.12 14	29
10.	21.1.15	32
11.	26.02.15	45

**21. Outreach of KVK**

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Sundargarh-II	5	8	25	55

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, Dean Extension Education, OUAT	4-11-2014		SAU		SAC Meeting & Entrepreneurs meet
Sundargarh-II	Dr. S.Sahoo, Joint Director DEE	21-10-14		SAU		Genders workshop
Sundargarh-II	Dr. M. Behera, Dy. Director , DEE	21-10-14		SAU		Genders workshop

## 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	01.04.2014	29	7120

## 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	Nil		

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

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Sundargarh-II	Mr. J.K. Pati,	Programme Coordinator	01	
Sundargarh-II	Mr. S. Mohanty,	Prog. Asst. (Computer)	01	
	<b>Total</b>		<b>02</b>	

Name of KVK	Total Number of staff Attended HRD Programme organized by ZPD (nos)	Total Number of Programme attended (Nos)
Sundargarh-II	02	02

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

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Sundargarh-II	Mr. S.K. Pradhan,	SMS (Horticulture)	01	
Sundargarh-II	Mrs. B.L. Sahu,	SMS (Home Science)	01	
Sundargarh-II	Mr. S. Mohanty,	Prog. Asst. (Computer)	01	

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Sundargarh-II	03	03

**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	00	00



### 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		

### 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	02	110	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	--		

#### 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				

**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				

**Vermis Produced**

Name of KVK	Vermis 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			

**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

#### **Kharif Onion – A new hope for farmers**

- Onion is a very good remunerative crop occupying about 1472 ha. mostly confined to Rabi only.
- Due to deficit supply and demand of onion serious price hike is observed during off season.
- KVK, Rourkela demonstrated Kharif onion var. Agri Found Dark Red under OFT in July, 2014.
- Farmers were trained on practices like INM, IPM, IDM and supplied with critical inputs.
- During the growth period no significant disease pest attack was observed.
- Harvesting was done in December with average yield of 173 qt./ ha and B:C ratio of 2.57.
- The expected net return from Kharif onion is Rs. 1,62,500/- per ha.
- The tribal farmers have shown keen interest for adopting the Kharif onion this year.
- The horizontal spread is expected to be around 100 ha. this year.
- The farming community has highly appreciated introduction of Kharif onion to boost their economic prosperity.

#### **NIGER-A promising potential in Sundargarh**

- Tribal farmers cultivated local degenerated variety of Niger in scattered hill pockets of Bonei sub division.
- Seeing the interest and potential the KVK, Sundargarh-II organized a package demonstration programme in Lahunipada block with Utkal Niger-150 in 5 ha. area with 20 numbers of tribal farmers.
- The crop was a grand success with yield of 7.6 Qtl./ ha. with a B:C ratio of 2.35 and no significant disease pest attack was observed.
- Seeing this success of KVK the Paudi Bhuyam Development Agency has planned to spread this crop to 23 villages in about 70.0 ha. of area this year.

#### **Backyard poultry farming- Strengthening Tribal Economy**

- Poor and tribal households depend more on their poultry for supplementary income and it helps as an insurance for emergency cash needs.
- Considering this fact KVK, Rourkela selected village Monko and Khatankudar of Lathikata and Bisra block under Tribal Sub Plan (TSP) programme to provide opportunity for economic empowerment of tribal women.
- 200 tribal women were provided with 10 numbers of Vanaraja chicks of 28 days old each.
- KVK provided hand holding support on improved management practices of backyard poultry.
- The birds gained 2.0 to 2.5 kg. and could generate an income of Rs. 2,500/- per 10 birds in a short period of six months.
- This also helps improving nutritional security of tribal families in the shape of egg and meat.
- Seeing the success tribal ladies are willing to continue this practice in current year.

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1.	Sundargarh-II	01	02

**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**