

**ANNUAL PROGRESS REPORT OF  
KVK SUNDARGARH  
2010-2011**

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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 colour cells in summary table need not to be filled.**

## REPORTING PERIOD – April 2010 to March, 2011

### Summary of achievements during the reporting period

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
Sundargarh	OFTs	16	80	16	80	
Sundargarh	FLDs – Oilseeds (activity in ha)	10	22	10	22	
Sundargarh	FLDs – Pulses (activity in ha)	10	27	10	27	
Sundargarh	FLDs – Cotton (activity in ha)					
Sundargarh	FLDs – Other than Oilseed and pulse crops(activity in ha)	14	105	14	105	
Sundargarh	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	1	10	1	10	
Sundargarh	Training-Farmers and farm women	74	1850	74	1850	
Sundargarh	Training-Rural youths	12	180	12	180	
Sundargarh	Training- Extension functionaries	4	70	4	70	
Sundargarh	Extension Activities	662	845	662	845	
Sundargarh	Seed Production (Number of activity as seeds in quintal)	21.2	150	21.2	158	
Sundargarh	Planting material ((Number of activity as quantity of planting material in quintal)					
Sundargarh	Seedling Production (Number of activity as number of seedlings in numbers)	9000	500	9000	521	
Sundargarh	Sapling Production (Number of activity as number of sapling in numbers)					
Sundargarh	Other Bio- products	5		5		
Sundargarh	Live stock products	200	40	200	40	
Sundargarh	SAC Meeting (Date & no. of core/official members	24/09/2010	30	24/09/2010	30	
Sundargarh	Newsletters (no.)	4	2000	4	1500	
Sundargarh	Publication (Research papers, popular article)	6	2500	6	1500	
Sundargarh	Convergence programmes / Sponsored programmes	1	50	1	50	
Sundargarh	KVK-ATMA Linkage programme (Number of activities)	6	150	6	150	
Sundargarh	Outreach of KVK in the District (No. of blocks, no. of villages)	5 blocks 10 nos village	3000	5 blocks 15 nos village	3868	
Sundargarh	Soil sample tested					
Sundargarh	Water sample tested					
Sundargarh	KMA (No. of messages & beneficiaries)	50	500	30	200	

# 1. GENERAL INFORMATION

## 1.1. Staff Position (as on date)

Name of KVK.	Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
Sundargarh	Programme Coordinator	Jayanta Kumar Pati	Agricultural Extension	M.Sc. (Ag.)	Agricultural Extension	15600-39100	19050+6000	21.2.2005	Permanent	Others
Sundargarh	Subject Matter Specialist1	Samarendra Baral	Plant Protection	M.Sc. (Ag.)	Entomology	15600-39100	18320+6000	01.01.2010	Permanent	Others
Sundargarh	Subject Matter Specialist2	Sanghamitra Behera	Horticulture	M.Sc. (Ag.)	Horticulture	15600-39100	15600+6000	30.9.2009	Permanent	SC
Sundargarh	Subject Matter Specialist3	Bijayalxmi Rout	Home Sc.	M.Sc. (Ag.)	Home Sc	15600-39100	15600+6000	22.10.2009	Permanent	SC
Sundargarh	Subject Matter Specialist4	Satyamaya satapathy	Agronomy	M.Sc. (Ag.)	Agronomy	15600-39100	15600+6000	27.04.2010	Permanent	Others
Sundargarh	Subject Matter Specialist5	Vacant	-	-	-					
Sundargarh	Subject Matter Specialist6	Vacant	-	-	-					
Sundargarh	Programme Assistant	Vacant	-	-	-					
Sundargarh	Farm Manager	Vacant	-	-	-					
Sundargarh	Computer Programmer	Vacant	-	-	-					
Sundargarh	Accountant / superintendent	Harish Chandra Nayak	Accounts	B.A	-	9300-34800	14460+4200	10.8.2009	Permanent	Others
Sundargarh	Stenographer	Vacant	-	-	-					
Sundargarh	Driver	Bhramarbar Sa	-	Middle	-	3050-75-3950-80-4590	3050	19.7.2008	Temporary	Others
Sundargarh	Driver	Vacant	-	-	-					
Sundargarh	Supporting staff	Satya Narayan Pradhan	Watchman	Middle	-	2550-55-2660-60-3200	2550	04.8.2008	Temporary	Others
Sundargarh	Supporting staff	Bira Chhatriya	Watchman	Middle	-	4440-7440	4990+1300	01.12.2010	Permanent	Sc

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

The district lies in the north western portion of the State. It is bounded on the north by Jharkhand State, on the south by Jharsuguda, Sambalpur and Deogarh districts, on east and north-east by Keonjhar and Paschimi Singhbhum districts of Odisha and Jharkhand, on the west and north-west Raigarh district of Chhatisgarh. The district headquarters is located at Sundargarh.

Head quarter	Sundargarh	Population	18,30,673
Sub division	3	Male	9,35,473
Blocks	17	Female	8,95,200
Tahasils	12	SC	15,7804 (8.62%)
Municipality	4	ST	9,19,180 (50.21%)
Grama panchayat	262	General	7,53,689 (41.17%)
Villages	1,744	Total population of the farmers of the district	1,45,639
Assembly seats	7	Male in Agril.	2,37,379
Towns	9	Female in Agril.	2,02,028
Literacy Rate	65.22 %	Male in Non-Agril.	1,88,162
Longitude	83 <sup>0</sup> 32'-85 <sup>0</sup> 22'E	Female in Non-Agril.	1,12,544
Latitude	20 <sup>0</sup> 35'-22 <sup>0</sup> 32'N	Work force in Agril.	43,94,070
MSL	300 m	Work force in Non-Agril.	3,00,706
Temperature (Max)	26 <sup>0</sup> - 41 <sup>0</sup> C	Geographical Area	9,712 Sq. Kms.
Temperature (Min)	12 <sup>0</sup> - 28 <sup>0</sup> C	Area	9,71,244 ha.
Avg. Rainfall	1200 mm	Total cultivable land in the district (ha.)	3,36,050
Avg. Rainy days	60	Misc. tree crops & grooves	3,897 ha. (16.53%)
Relative Humidity	47 - 89%	Permanent pasture & other grazing area	30,349 ha. (3.12%)
Wind Velocity	2 - 7 km/hour	Cultivable waste	39,945 ha. (4.11%)
Small Farmers	50,338	Land put to non-agril. uses	49,249 ha.
Marginal Farmers	62,817	Barren & uncultivable land	41,562 ha.
Big Farmers	32,484	Current Fallow	61,109 ha.

Major rivers	Brahmani, Sankh & Koel – Tributary of Brahmani and IB- Tributary of Mahanadi	Other fallow	41,325 ha.
		Forest area	1,60,583 ha.
Major crops of the district	Paddy, black gram, green gram, arhar, horse gram, sesamum, groundnut, mustard, wheat and maize	Net Area sown	3,13,000 ha. (32.22%)
		Irrigated land (ha.)	31,924
		Rain-fed land (ha.)	3,04,126

Geographically, the district is not a compact unit and consists of widely, dissimilar tracts of expansive and fairly open country, dotted with isolated peaks, inaccessible forests, river valley and mountainous terrain. Broadly speaking it is an undulating table-land of different elevations broken up by rugged hill ranges and cut off by torrential hill streams and the river Ib and Brahmani. The general slope of the district is from north to south. There is a open well-cultivated plain country along the valley of the Ib river particularly in the south. The rest of the Sadar sub-division consists of undulating table-land about 700 ft. in average height, dotted here and there with hills and peaks rising to about 2000ft., in the western most tracts at hemgir P.S. in the north there is a gradual rise to the table-land of Chhotanagpur. The portion occupied by Bonai sub-division to the south-east has rugged forest and hills intersected by gorges and passes and having a narrow valley of the Brahmani river and its tributaries. For a short spell of time during the rainy season the rapid current of the hill-streams cut off communication. The east and west of the brahmani valley is filled with high range of mountains, ft.) Chheliatoka (3331 ft.) and Bichakani (2964 ft.) in the east. The last hill has acquired importance as it contains million of tonnes of iron-ore for use in Rourkela steel plant. The territory of Sundargah and Panposh sub-divisions comprising the ex-states of Ganagpur is about 700 ft. above the sea level. Bonai sub-division comprising ex-State of Bonai is about 800 ft. above the sea level. The forest of the district is of northern tropical dry deciduous type, mainly containing Sal, Assan and Kurum. The eastern half of Bonai and Rajagangapur contain better quality of vegetation. The forest area is mostly studded with rich mineral deposits, like iron ore, manganese, limestone, lead; also forest products like bamboo, timber and kendu leaf which are export-oriented. The district was a very inaccessible tract having no proper communication. The tribal people living in the area used to subsist for the most part of shifting cultivation which resulted in denudation of forest The forest occupy an area of 3534.92 sq.kms which includes 2664.64 sq. kms. under reserved forest and 612.07 sq.kms. under protected forest. The forests are of northern tropical dry deciduous type. Sal is the dominant species. The eastern half of Bonai contain better quality of vegetation. The principal forest produce are timber, kendu-leaf and bamboo besides minor product like sabai grass. lac, tassar, myrabolan, mahua, kusuma seed, resin, tamarind, gum and sal seed.

### 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	Diamunda	2008	Lefripara	30 km	1050	88
Sundargarh	Phulbari	2008	Badagaon	50 km	775	115
Sundargarh	Chakramal	2008	Tangarpali	20 km	604	131
Sundargarh	Bhagapali	2008	Subdega	30 km	445	75
Sundargarh	Bandubahal	2008	Sundargarh	20 km	580	90

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

KVK Name	THRUST AREA
Sundargarh	To increase yield by substituting local / degraded varieties in vegetables
Sundargarh	To control disease & insect pest by integrated methods of pest control with organic articulation
Sundargarh	To emphasize on cultivation of lucrative off-season vegetables
Sundargarh	To emphasize on increasing the acreage of the fruit crops like mango, banana on commercial scale relating to broad based agriculture
Sundargarh	Integrated insect pest management
Sundargarh	Integrated disease management
Sundargarh	Use of Bio-control agents & Bio-pesticides
Sundargarh	Use of Botanicals
Sundargarh	To harness the export potentials of the scented variety of paddy
Sundargarh	Adoption of diversified cropping pattern in uplands
Sundargarh	Weed & nutrient management of crops
Sundargarh	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)

KVK Name	Problem identified	Methods of problem identification
Sundargarh	Distress sale of paddy due to absence of exportable quality	PRA & Group Discussion
Sundargarh	Local variety is susceptible to diseases.	PRA & Group Discussion
Sundargarh	Indiscriminate use of pesticides	PRA & Group Discussion
Sundargarh	Wilting in Tomato (67%-88%)	PRA & Group Discussion
Sundargarh	Low yield in chilly (24 q/ha)	PRA & Group Discussion
Sundargarh	Less price in on-season due to market glut in cauliflower (Rs.21,400/ha sold @ Rs.400/q)	PRA & Group Discussion
Sundargarh	Low yield in cauliflower (142 q/ha)	PRA & Group Discussion
Sundargarh	Low yield in brinjal (145 q/ha)	PRA & Group Discussion
Sundargarh	Low yield in pointed gourd (242 q/ha)	PRA & Group Discussion

## 2. On Farm Testing – 2010-11

### 2.1 Information about OFT

KVK name	Year/season	Problem diagnose	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situations	Title of OFT	No. of trials	Results (with parameter)Yield(Qt/ha)		Net Returns (Rs./ha)		Recommendations
									Farmer practice T1	Rec. Tech T2	T1	T2	
Sundargarh	2010 Kharif	Heavy weed infestation in kharif Groundnut	Assessment	Weed Management	Crop	Rainfed Upland & Sandy loam soil	Assessment of Herbicide application Oxyfluorfen in kharif groundnut	5	10.41	17.22	15,230	36,660	
Sundargarh	2010 Kharif	Grassy & BLW weeds	Assessment	Weed Management	Crop	Rainfed , Medium land & Sandy loam soil	Assessment of Herbicide application Pyrozosulphron ethyl in kharif paddy	5	34.75	40.15	20,750	28,750	
Sundargarh	2010 Kharif	Low yield	Assessment	Varietal Evaluation	Crop	Rainfed Upland & Sandy loam soil	Assessment of yield potential of sesamum	5	4.8	7.95	10,000	20,800	

KVK name	Year/season	Problem diagnose	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situations	Title of OFT	No. of trials	Results (with parameter)Yield(Qt/ha)		Net Returns (Rs./ha)		Recommendations
									Farmer practice T1	Rec. Tech T2	T1	T2	
							variety Nirmala						
Sundargarh	2010 Summer	Poor yield from local cultivar	Assessment	Varietal evaluation	Crop	Irrigated , Up land & Sandy loam soil	Assessment of of YVMV tolerant Okra (Utkal Gourav)	5	64	92.5	28,000	55,500	
Sundargarh	2010 Kharif	Low yield due to improper nutrient management	Assessment	INM	Crop	Irrigated , Up land & Sandy loam soil	Assessment of INM in brinjal	5	120	185.5	30,500	69,850	
Sundargarh	2010 Kharif	Low yield due to infestation of case worm	Assessment	IPM	Crop	Rainfed , Medium land & Sandy loam soil	Assessment of IPM in management of case worm in paddy	5	34.5	40.75	11,000	25,000	
Sundargarh	2010 Kharif	Low income of farm women	Assessment	Small scale income generating enterprises	Enterprise	Up land	Assessment of improved nursery management for income generation of farm women	5	2,000	8,500	300 /Plot	1200 /Plot	
Sundargarh	2010 Kharif	High labour cost and more drudgery	Assessment	Drudgery reduction	Crop	Rainfed Upland & Sandy loam soil	Assessment of wheel finger weeder in groundnut	5	45 (Man days/ha)	30 (Man days/ha)	0.0028 (ha/hr)	0.0042 (ha/hr)	
Sundargarh	2010 Rabi	Low yield due to improper nutrient management	Assessment	INM	Crop	Irrigated , Up land & Sandy loam soil	Assessment of INM in Mustard	5	5.8	10.5	12,300	24,750	
Sundargarh	2010 Rabi	Low yield due to fruit borer	Assessment	IPM	Crop	Irrigated , medium land & Sandy loam soil	Assessment of IPM in fruit borer management(of Tomato	5	230	275	61,000	79,500	
Sundargarh	2010 Rabi	Low yield due to local variety	Assessment	Varietal evaluation	Crop	Irrigated , medium land & Sandy loam soil	Assessment of yield potential of Potato variety Kufri Ashoka	5	140	200	18000	52,000	
Sundargarh	2010 Rabi	Low yield due to local variety	Assessment	Varietal evaluation	Crop	Irrigated , medium land & Sandy loam soil	Assessment of yield potential of Tomato variety Utkal Pragnya	5	155	220	22,000	61,000	

KVK name	Year/season	Problem diagnose	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situations	Title of OFT	No. of trials	Results (with parameter) Yield(Qt/ha)		Net Returns (Rs./ha)		Recommendations
									Farmer practice T1	Rec. Tech T2	T1	T2	
Sundargarh	2010 kharif	Low efficiency & high drudgery of farm women in paddy harvesting	Assessment	Drudgery reduction	Crop	-	Assessment of serrated sickle for enhancement of efficiency & reduction of drudgery of farm women involved in harvesting of paddy.	5	40 Man days/ha	32 Man days/ha	0.0031 ha/hr	0.0039 ha/hr	
Sundargarh	2010kharif	High labour cost	Assessment	Drudgery reduction	Crop	-	Assessment of paddle operated Groundnut thresher.	5	13.8 kg/Manday	163 Kg/day			
Sundargarh	2010-11	Hand extraction of seed causes drudgery	Assessment	Drudgery reduction	Crop	-	Assessment of Sunflower threshing.	5	32 kg/Manday	176 kg/day			
Sundargarh	2010-11	More drudgery in traditional practice	Assessment	Drudgery reduction	Crop	-	Assessment of Paddle operated paddy thresher.	5	104 kg/Manday	202 kg/day			

## 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	Demo	Check	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	Assessment of Herbicide application Oxyfluorfen in kharif groundnut	Yield	17.22	10.41	16,000	15,000		31,230	51,660		15,230	36,660		1.95	3.44	
Sundargarh	Assessment of Herbicide application Pyrozosulphron ethyl in kharif paddy	Yield	40.75	34.5	13,750	12,000		34,500	40,750		20,750	28,750		2.51	3.4	
Sundargarh	Assessment of	Yield	7.95	4.8	9,200	11,000		19,200	31,800		10,000	20,800	-	2.08	2.9	

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	Demo	Check	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> )
	yield potential of sesamum variety Nirmala															
Sundargarh	Assessment of YVMV tolerant Okra (Utkal Gourav)	Yield	92.5	64	36,000	37,000		64,000	92,500		28,000	55,500		1.78	2.50	
Sundargarh	Assessment of INM in brinjal	Yield	185.5	120	53,500	60,000		84,000	1,29,850		30,500	69,850		1.57	2.16	
Sundargarh	Assessment of IPM in management of case worm in paddy	Yield	25	40	14,000	15,000		25,000	40,000		11,000	25,000		1.78	2.67	
Sundargarh	Assessment of improved nursery management for income generation of farm women	Seedlings	8,500	2,000	300	550		600	1750		300	1200		2	3.18	
Sundargarh	Assessment of wheel finger weeder in groundnut	Efficiency	45 (Man days/ha)	30 (Man days/ha)				0.0028 (ha/hr)	0.0042 (ha/hr)							
Sundargarh	Assessment of INM in Mustard	Yield	10.5	5.8	8,000	12,000		20,300	36,750		12,300	24,750		2.54	3.06	
Sundargarh	Assessment of IPM in Tomato	Yield	275	230	54,000	58,000		1,15,000	1,37,500		61,000	79,500		2.12	2.37	
Sundargarh	Assessment of yield potential of Potato variety Kufri Ashoka	Yield	200	140	42,000	48,000		60,000	1,00,000		18,000	52,000		1.4	2.08	
Sundargarh	Assessment of yield potential of Tomato variety Utkal Pragnya	Yield	220	155	48,000	49,000		70,000	1,10,000		22,000	61,000		1.45	2.25	
Sundargarh	Assessment of serrated sickle for enhancement of efficiency & reduction of drudgery of	Efficiency	32 (Man days/hr)	40 (Man days/hr)				0.0031 ha/hr	0.0039 ha/hr							

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	Demo	Check	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> )
	farm women involved in harvesting of paddy.															
Sundargarh	Assessment of paddle operated Groundnut thresher.	Efficiency	163 Kg/day	13.8 kg/Mandays				1.73 kg/hr	20.38 kg/hr							
Sundargarh	Assessment of Sunflower threshing.	Efficiency	176 kg/day	32 kg/Mandays				4 kg/hr	22 kg/hr							
Sundargarh	Assessment of Paddle operated paddy thresher.	Efficiency	202 kg/day	104 kg/Mandays				13 kg/hr	25.25 kg/hr							

## 2.3 Feedback from KVK to Research System

Name of KVK	Feedback
<b>Sundargarh</b>	In Intercropping more profit but Labor requirement is more than Solo cropping, Bio-pesticides like Neem , NPV are very much effective against some pest complex but not available in local market. Green gram Var. PDM-139, gives higher yield but very much susceptible to YVM. HYV var. of scented rice Ketakijoha is susceptible to lodging.

## 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		
Sundargarh	Paddy	10	HYV paddy	Radio talk, News paper, Leaflets, Training, Demonstrations, Field day, Field visit etc.	4	Sundargarh	Paddy
Sundargarh	Paddy	20	IPM in paddy	Radio talk, News paper, Training, Demonstrations, Field day, Field visit etc.	3	Sundargarh	Paddy
Sundargarh	Brinjal	20	IPM in brinjal	Radio talk, Leaflets, Training, Demonstrations, Field day, Field visit etc.	3	Sundargarh	Brinjal
Sundargarh	Cauliflower	20	IPM in cauliflower	News paper, Leaflets, Training, Demonstrations, Field visit etc.	3	Sundargarh	Cauliflower
Sundargarh	Tomato	10	Wilt tolerant variety (Utkal Kumari)	Radio talk, Leaflets, Training, Demonstrations, Field day, Field visit etc.	5	Sundargarh	Tomato
Sundargarh	Cauliflower	10	Off -season variety (Himlata)	Radio talk, Leaflets, Training, Demonstrations, Field day, Field visit etc.	3	Sundargarh	Cauliflower

### 3.2 Details of FLDs implemented

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety/Tech nology/Entre prizes	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Sundargarh	INM	Maize	Kharif 2010	Application of boron @1kg/ac as foliar spray at 3 & 6-7 weeks after sowing in 2 equal splits	0.4	Hybrid	62	47.4	30.8	1	4			5

<b>Sundargarh</b>	Varietal substitution	Paddy	Kharif 2010	Aromatic Variety Ketakijoha	0.4	Ketakijuha	24.825	13.55	83.2	2	3			5
<b>Sundargarh</b>	Varietal substitution	Paddy	Kharif 2010	HYV Pratikshya	0.4	Pratikshya	44.25	34.57	28		2		3	5
<b>Sundargarh</b>	Integrated crop management	Red gram & Groundnut	Kharif 2010	Laxmi+AK-12-24	0.4	Laxmi+ AK-12-24	19.5	13.8	41.3	2	3			5
<b>Sundargarh</b>	Varietal substitution	Watermelon	Summer 2010	Variety Sugarbaby	0.4	Sugarbaby	420	260	61	2	4	1	3	10
<b>Sundargarh</b>	Varietal substitution	Radish	Kharif 2010	Variety Pusa chetki	0.2	Pusa chetki	120	80	50	3	7			10
<b>Sundargarh</b>	Varietal substitution	Cauliflower	Kharif 2010	Variety Himlata	0.4	Pusa Himlata	110	90	22.22	1	3	1		5
<b>Sundargarh</b>	IPM	Paddy	Kharif 2010	Integrated approach i.e. skip row planting, application of neem cake @ 2.5 q/ha and need based spraying of imidaclopid @ 0.3 ml/lit.	2.0	Swarna	44		31	41.9		4	1	5
<b>Sundargarh</b>	IDM	Tomato	Kharif 2010	<i>Tricoderma viridi</i> (Soil & seed treatment during planting) COC+ Streptocycline (spraying & soil drenching) carbofuran-3g(soil application after 30 days)	0.2	Laxmi	252	190	32.6		2		3	5
<b>Sundargarh</b>	ICM	Nutritional garden	Kharif 2010	Efficient use of backyard area, waste water, house hold degradable waste and family labour	0.2ha	Tomato Brinjal Bottle gourd Culiflower Cucumber Chilli	35	24	45.83	2	8			10
<b>Sundargarh</b>	Mushroom cultivation	P.S. Mushroom	Kharif 2010	Paddy-Straw mushroom cultivation	50beds	<i>V. volvacea</i>	75kg	Newly introduced	-	2	7	1		10
<b>Sundargarh</b>	Enterprise	Marigold cultivation in backyard	Rabi 2010-11	Improved variety (African orange)	0.2ha	<b>African orange</b>	20q/ha	Newly introduced	-	-	4	5	1	10

	Introduction of breed	Poultry	Kharif 2010	Banaraja bird	50 nos	Banaraja					5			5
<b>Sundargarh</b>	IDM	Tomato	Rabi 2010	Application of Neem Pesticide 1500 ppm followed by Acetamapride 0.25 gm /lt of water	0.4	Laxmi	270		220	22.7	1	2	2	5
<b>Sundargarh</b>	IPM	Cabbage	Rabi 2010	Use of Pheromone Trap & Application of Botanical Pesticide(BT,B.b assiana)	0.4	greenchallenger	292		214.7	36		3	2	5

### 3.3 Economic Impact of FLD

KVK Name	Name of Crop/ Enterprise	Technology demonstrated	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	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check
<b>Sundargarh</b>	<b>Maize</b>	Application of boron @1kg/ac as foliar spray at 3 & 6-7 weeks after sowing in 2 equal splits	Yield	62	47.4	15,500	14,000	62,000	46,500	46,500	28660	4	3.04
<b>Sundargarh</b>	<b>Paddy</b>	Aromatic Variety Ketakijoha	Yield	24.825	13.55	16,500	14,000	49,700	25,000	33,200	11,000	3.01	1.79
<b>Sundargarh</b>	<b>Paddy</b>	HYV Pratikshya	Yield	44.25	34.57	16,000	14,000	44,000	27,600	28,000	13,600	2.75	1.97
<b>Sundargarh</b>	<b>Arhar &amp; Groundnut</b>	Laxmi+AK-12-24	Yield	19.5	13.8	19,000	18,000	78,000	55,200	59,000	37,200	4.1	3.06
<b>Sundargarh</b>	<b>Watermelon</b>	Sugarbaby	Varital	420	260	45,000	36,000	1,26,000	60,000	81,000	24,000	2.8	1.67
<b>Sundargarh</b>	<b>Nutritional garden</b>	Tomato(Laxmi) Brinjal((BE-706) Bottle gourd(warad) Culiflower(Trisha) Cucumber(sedana) Chilli(Tejaswini)	Yield	35	24	20,000	16,000	56,000	34,000	36,000	18,000	2.8	2.13
<b>Sundargarh</b>	<b>Paddystraw mushroom Cultivation</b>	. <i>V. volvacea</i>	Yield	75kg	Newly introduced-	2,000	-	7,5000	-	5,500	-	3.75	-



Sundargarh	Marigold cultivation	<i>African orange</i>	Yield	20qu/0.2ha	Newly introduced-	12,560	-	40,000	-	27,440	-	3.18	
Sundargarh	Paddy	Pratikshya	Yield	44	31	19,000	16000	44,000	31,000	25,000	15,000	2.31	1.93
Sundargarh	Tomato	<i>Laxmi</i>	Yield	252	190	59,500	52,000	1,26,000	95,000	66,500	43,000	2.12	1.83
Sundargarh	Tomato	BT-10	Yield	270	220	53,000	51,500	1,35,000	90,000	82,000	38,500	2.55	2.17
Sundargarh	Cabbage	Green Challenger	yield	292	214.7	47,000	42,000	1,46,000	1,07,350	99,000	65,350	3.11	2.55
Sundargarh	Cauliflower	Himlata	Yield	110	90	56,000	51,000	1,56,000	96,000	1,00,000	45,000	2.78	1.88
Sundargarh	Radish	Pussa Chetki	Yield	120	80	18,000	16,500	48,000	30,000	30,000	13,500	2.66	1.81

### 3.4 Feedback of the Farmers

Name of KVK	Feedback
Sundargarh	Pratikshya Var. of Paddy is more tolerant in comparison to Swarna Weeding by Wheel finger Weeder is labour saving & cost effective. Smruti Var. of Ground nut is popularize due to its oil contents & red colour. Crop diversification in up land is more profitable. Onion Var. AFLR is acceptable due to its size.

### 3.5 Training and Extension activities under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Sundargarh	Maize	Field days			
Sundargarh	Maize	Farmers Training	1	25	
Sundargarh	Maize	Media coverage			
Sundargarh	Maize	Training for extension functionaries			
Sundargarh	Paddy	Field days			
Sundargarh	Paddy	Farmers Training	1	25	
Sundargarh	Paddy	Media coverage			
Sundargarh	Paddy	Training for extension functionaries			
Sundargarh	Arhar + Groundnut	Field days			
Sundargarh	Arhar + Groundnut	Farmers Training	1	25	
Sundargarh	Arhar + Groundnut	Media coverage			

Sundargarh	Arhar + Groundnut	Training for extension functionaries			
Sundargarh	Watermelon	Field Day	1	50	
Sundargarh	Watermelon	Farmers Training	1	25	
Sundargarh	Watermelon	Media coverage			
Sundargarh	Watermelon	Training for extension functionaries			
Sundargarh	Radish	Field days			
Sundargarh	Radish	Farmers Training	1	25	
Sundargarh	Radish	Media coverage			
Sundargarh	Radish	Training for extension functionaries			
Sundargarh	Cauliflower	Field days			
Sundargarh	Cauliflower	Farmers Training	1	25	
Sundargarh	Cauliflower	Media coverage			
Sundargarh	Cauliflower	Training for extension functionaries			
Sundargarh	Tomato	Field days			
Sundargarh	Tomato	Farmers Training	1	25	
Sundargarh	Tomato	Media coverage			
Sundargarh	Tomato	Training for extension functionaries			
Sundargarh	Vegetable	Field days			
Sundargarh	Vegetable	Farmers Training	1	25	
Sundargarh	Vegetable	Media coverage			
Sundargarh	Vegetable	Training for extension functionaries			
Sundargarh	P.S. Mushroom	Field days	1	50	
Sundargarh	P.S. Mushroom	Farmers Training	1	25	
Sundargarh	P.S. Mushroom	Media coverage			
Sundargarh	P.S. Mushroom	Training for extension functionaries			
Sundargarh	Poultry	Field days	1	50	
Sundargarh	Poultry	Farmers Training	1	25	
Sundargarh	Poultry	Media coverage	1	1000	
Sundargarh	Poultry	Training for extension functionaries			

#### 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

#### 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

## 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							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8			11	12	13	14	9	10
Sundargarh	FW	OFC	PLP	Disease & pest management in cucurbits	1	1			-	-	22	-	3	-
Sundargarh	FW	OFC	PLP	IPM in Brinjal	1	1			1	-	19	-	5	-
Sundargarh	FW	OFC	PLP	Disease & pest management in Groundnut	1	1			3	1	9	8	2	2
Sundargarh	FW	OFC	PLP	IPM in Paddy	4	4			11	1	64	2	21	1
Sundargarh	FW	OFC	PLP	Management of BPH & caseworm in Kharif rice	2	2			10	-	33	-	7	-
Sundargarh	FW	OFC	PLP	Wilt management in solanaceous vegetables	1	1			3	-	14	-	8	-
Sundargarh	FW	OFC	PLP	Diseases & Pest management in cabbage & cauliflower	1	1			-	-	25	-	-	-
Sundargarh	FW	OFC	PLP	Disease & pest management in mustard	1	1			-	-	20	2	2	-
Sundargarh	FW	OFC	PLP	Disease & pest management in onion	1	1			2	-	15	-	8	-
Sundargarh	FW	OFC	PLP	Leaf curl management in chilli	2	2			4	-	37	1	8	-
Sundargarh	FW	OFC	PLP	Disease & pest management in cowpea	1	1			-	-	23	-	2	-
Sundargarh	FW	OFC	PLP	Disease & pest management in	1	1			4	-	14	-	7	-

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants								
							General		SC		ST		Others		
							M	F	M	F	M	F	M	F	
1	2	3	4	5	7	8			11	12	13	14	9	10	
				potato											
Sundargarh	FW	OFC	PLP	Leaf curl management in tomato	1	1			1	-	18	-	6	-	
Sundargarh	FW	OFC	PLP	Diseases & pest management in vegetables	1	1			-	-	12	-	13	-	
Sundargarh	FW	OFC	PLP	Diseases & pest management in chilli	1	1			-	-	14	-	11	-	
Sundargarh	RY	OFC	PLP	Vermicomposting in backyard	2	2			-	-	14	1	1	-	
Sundargarh	RY	OFC	PLP	Bee-keeping	2	2			-	-	20	-	10	-	
Sundargarh	IS	OFC	PLP	New trends in chemical control	1	1			-	-	4	1	7	8	
Sundargarh	FW	OFC	HOV	Nursery raising of early cauliflower	1	1			-	-	13	8	2	2	
Sundargarh	FW	OFC	HOV	Improved package & practices of raddish	1	1			1	-	16	8	-	-	
Sundargarh	FW	OFC	HOV	Improved package & practices of brinjal	1	1			1	-	13	-	11	-	
Sundargarh	FW	OFC	HOS	Improved package & practices of chilli	3	3			6	2	52	3	12	-	
Sundargarh	FW	OFC	HOS	Improved package & practices of onion	1	1			2	-	16	-	7	-	
Sundargarh	FW	OFC	HOV	Improved package & practices of cauliflower	1	1			5	-	16	-	4	-	
Sundargarh	FW	OFC	HOV	Improved package & practices of cabbage	1	1			2	-	15	-	8	-	
Sundargarh	FW	OFC	HOV	Improved	1	1			-	-	23	-	2	-	

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8			11	12	13	14	9	10
				<b>package &amp; practices of tomato</b>										
Sundargarh	FW	OFC	HOT	<b>Improved package &amp; practices of potato</b>	2	2			4	-	28	-	18	4
Sundargarh	FW	OFC	HOV	<b>Improved package &amp; practices of pointedgourd</b>	1	1			1	-	16	-	8	1
Sundargarh	FW	OFC	HOV	<b>Improved package &amp; practices of cowpew</b>	1	1			-	-	23	-	2	-
Sundargarh	FW	OFC	HOV	<b>Improved package &amp; practices of cabbage &amp; cauliflower</b>	1	1			-	-	13	-	12	-
Sundargarh	RY	OFC	HOV	<b>Nursery management of horticultural crops</b>	2	2			-	-	15	-	-	-
Sundargarh	IS	OFC	HOP	<b>Rejuvenation of old orchards</b>	1	1			-	-	4	1	7	-
Sundargarh	FW	OFC	CRP	<b>IWM in Paddy</b>	3	3	20	-	11	-	44	-		
Sundargarh	FW	OFC	CRP	<b>INM in Paddy</b>	2	2	-	-	4	-	38	-	8	-
Sundargarh	FW	OFC	CRP	<b>IWM in Ground nut</b>	1	1	-	-	3	-	22	-		
Sundargarh	FW	OFC	CRP	<b>INM in Maize</b>	2	2	7	-	6	-	19	-	18	
Sundargarh	FW	OFC	CRP	<b>Crop diversification under Rain fed situation</b>	1	1	-	-	8	-	11	-	6	-
Sundargarh	FW	OFC	CRP	<b>Improved package &amp; practices for Black gram cultivation</b>	1	1	-	-	-	-	19	-	6	-
Sundargarh	FW	OFC	CRP	<b>Package &amp; practices for</b>	1	1	5	-	1	-	1	-	16	2

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants								
							General		SC		ST		Others		
							M	F	M	F	M	F	M	F	
1	2	3	4	5	7	8			11	12	13	14	9	10	
				<b>Sesamum cultivation</b>											
Sundargarh	FW	OFC	CRP	<b>Package &amp; practices for Wheat cultivation</b>	1	1	2	-	2	2	11	5	2	1	
Sundargarh	FW	OFC	CRP	<b>Package &amp; practices for Mustard cultivation</b>	1	1	-	-	7	-	18	-	-	-	
Sundargarh	FW	OFC	CRP	<b>Package &amp; practices for Sunflower cultivation</b>	3	3	-	-	12	-	35	12	13	-	
Sundargarh	RY	OFC	CRP	<b>Seed Production in Paddy</b>	4	4	-	-	6	-	34	-	10	-	
Sundargarh	FW	OFC	WOE	<b>Cultivation of Oyster Mushroom</b>	5	5	-	63	-	7	-	55	-	-	
Sundargarh	FW	<b>OFC</b>	WOE	<b>Designing and Layout of Nutritional garden in backyard.</b>	3	3	-	40	-	4	-	31	-	-	
Sundargarh	FW	OFC	WOE	<b>Value added products from Tomatoes (souce ,puree,&amp;Pickles)</b>	2	2	-	33	-	7	-	10	-	-	
Sundargarh	FW	OFC	WOE	<b>Cultivation of paddy straw Mushroom for Income generation of Rural Women.</b>	6	6	-	9	-	15	-	126	-	-	
Sundargarh	FW	OFC	WOE	<b>Designing and Preparation of high Nutrient efficiency diet for adolescent girls &amp; rural women.</b>	1	1	-	3	-	5	-	17	-	-	
Sundargarh	FW	OFC	WOE	<b>Scientifical method of vegetable Nursery raising.</b>	2	2	-	18	-	4	-	21	-	7	

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8			11	12	13	14	9	10
Sundargarh	FW	OFC	WOE	Minimization of Nutrient loss in food products during cooking.	1	1	-	8	-	-	-	17	-	-
Sundargarh	FW	OFC	WOE	Management of Biodegradable waste through Vermicompost.	2	2	-	3	-	7	-	40	-	-
Sundargarh	FW	OFC	WOE	Commercial method of Floriculture.	1	1	-	5	-	3	-	17	-	-
Sundargarh	FW	OFC	WOE	Empowerment of Rural women through SHG Convention.	1	1	-	5	-	3	-	17	-	-
Sundargarh	FW	ONC	WOE	Cultivation of paddy straw Mushroom.	1	1	-	2	-	3	-	20	-	-
Sundargarh	FW	ONC	WOE	Technology of Oyster Mushroom cultivation.	1	1	-	15	-	2	-	8	-	-
Sundargarh	RY	OFC	WOE	Preparation of Value added products from Lemons.(Squash, pickles & sorbet).	2	2	-	8	-	12	-	30	-	-
Sundargarh	RY	OFC	WOE	Value added products from Tomatoes.(Soupe , puree & Pickles).	3	3	-	3	-	15	-	27	-	-
Sundargarh	IS	OFC	WOE	Household food security of Farm families.	2	2	-	10	-	8	-	20	-	-

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						
					SC		ST		Others		
					M	F	M	F	M	F	



**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	

**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/RY/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
Sundargarh	Awareness training on botton mushroom				2	2	2	7	3	8	6	24	OUAT	10,000

**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/RY/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		

**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	<b>IPM in Brinjal</b>	25	10%	50%	150	240	70,000	1,22,000	15 nos
Sundargarh	<b>IWM in Ground nut</b>	25	25%	60%	15	20	25,000	40,000	10 nos
Sundargarh	<b>Package &amp; practices for Sunflower cultivation</b>	75	10%	40%	8	12	12,000	20,000	19 nos
Sundargarh	<b>Leaf curl management in tomato</b>	25	10%	50%	120	220	30,000	70,000	15 nos

## 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	Field Day	10	8	70	30	240	60	3				
Sundargarh	Kisan Mela	1	1	22	9	48	21	2				
Sundargarh	Kisan Ghosthi	5	5	12	7	36	20					
Sundargarh	Exhibition	2	2	29	11	185	75					
Sundargarh	Film Show	30	30	280	120	880	220					
Sundargarh	Method Demonstrations											
Sundargarh	Farmers Seminar											
Sundargarh	Workshop	1	1	2	15	6	27	2				
Sundargarh	Group meetings	10	10	90	60	210	40					
Sundargarh	Lectures delivered as resource persons	16	16	420	180	790	210					
Sundargarh	Newspaper coverage	10	10									
Sundargarh	Radio talks	16	12									
Sundargarh	TV talks	4	1									
Sundargarh	Popular articles	5	2									
Sundargarh	Extension Literature	10	5									
Sundargarh	Farm advisory Services											
Sundargarh	Scientific visit to farmers field	200	250	140	58	354	48					
Sundargarh	Farmers visit to KVK	300	550	125	45	302	78					
Sundargarh	Diagnostic visits	30	30	42	18	68	22					
Sundargarh	Exposure visits	1	-									
Sundargarh	Ex-trainees Sammelan	1	1	-	15	-	35					
Sundargarh	Soil health Camp	-	-									
Sundargarh	Animal Health Camp	1	1	12	7	23	8	4				
Sundargarh	Agri mobile clinic	-	-									
Sundargarh	Soil test campaigns	-	-									
Sundargarh	Farm Science Club conveners meet	5	6	32	12	162	44					
Sundargarh	Self Help Group conveners meetings	1	1		6		44					
Sundargarh	Mahila Mandals conveners meetings	1	1		17		33					
Sundargarh	Celebration of important days	2	2	13	11	12	64					

## 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	2008	April-June	500	500
Sundargarh	2008	July – Sept	500	500
Sundargarh	2008	Oct- Dec	500	500
Sundargarh	2008	Jan- March	500	200

### 7.2 Literature developed/published

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
KVK Name	Type	Title	Author's name	Number of copies
Sundargarh	leaflets	Palachhatu Chasa	500, Bijayalaxmi Rout, SBaral	200
Sundargarh	leaflets	Dhingiri chhatu chasa.	500, Bijayalaxmi Rout, SBaral	250
Sundargarh	leaflets	Panipariba sanrakshyana.	500, Bijayalaxmi Rout SBaral	250
Sundargarh	leaflets	Ghara aganare Banaraja kukuda palana.	500, Bijayalaxmi Rout., SBaral	150
Sundargarh	leaflets	Varmicomposting.	500, Samarendra Baral., SSatpathy	100

### 7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Sundargarh	VCD	Bio-diversity	2

## 8. Production and supply of Technological products

### 8.1 SEED production

KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type hear SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Sundargarh	Cereals	Paddy	Pratikshya	SD	19.2	qtl		OSSC
Sundargarh	Pulses	Arhar	Asha	SD	1.4	qtl		OSSC
Sundargarh	Vegetable	Tomato	U. Kumari,Laxmi	PM	2600	Nos	910	51
Sundargarh	Vegetable	Brinjal	Kajal	PM	2300	Nos	805	60
Sundargarh	Vegetable	Cabbage	Mahyco-139	PM	1000	Nos	500	16
Sundargarh	Vegetable	Cauliflower	Trisha	PM	1000	Nos	500	15
Sundargarh	Vegetable	Drumstick	PKM-1	PM	100	Nos	500	20

### 8.2 Planting Material production

KVK Name	Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
						Variety	Type of Produce	Qty.	Cost of inputs	Gross income	

### 8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
	BIOAGENTS				
	BIOFERTILIZERS				

	BIO PESTICIDES				
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#### 8.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
	Cattle						
	Buffalo						
	Sheep and Goat						
Sundargarh	Poultry	Banaraja chicks	chicks	350	15,000	20,650	
	Fisheries						
	Others (Specify)						

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

Status of establishment of Lab : YES/NO, If yes, then;- NO

Year of establishment : -

##### 9.1 Details of soil & water samples analyzed so far :

KVK Name	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Sundargarh	soil	16	16	6	-

#### 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/STParticipants		
					Male	Female	Total	Male	Female	Total

**11. Utilization of Farmers Hostel facilities**

Accommodation available (No. of beds) :25

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)

**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	1997	22.09.2008	4	5	In habitable condition

**13. Details of SAC Meeting**

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Sundargarh	24.9.10	30	Emphasis on Organic fertilizer production, SRI, Vermicomposting, Crop Diversification, WHS, Fodder cultivation, Green manuring, Mushroom cultivation, Banaraja chicks production.

#### 14. Status of Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages sent	No. of beneficiary		Major recommendations
		Farmers	Ext. Pers.	
	30	200	25	Leaf curl in chilli & tomato, wilt management in tomato & brinjal

#### 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	ATMA	ATMA	1,95,960	Demo, Farm school	Sadar	Completed
Sundargarh	MNREGA					
Sundargarh	NHM					
Sundargarh	RKVY	RKVY	5,30,000	Fld Oilseed & pulse	Subdega	continuing
	DRDA					
	Zila Panchyat					
	Seed village					
	NAIP					

	Climate Change					
	Others (Plz. Specify)					

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

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Sundargarh	30773698636	30,054	37,186	1,05,958

### 17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Sundargarh	Bijay ku naik	Individual	OUAT	-
Sundargarh	Susanta Kumar Naik	Individual	ICAR	

### 18. Case study and Success Story – Two best only in the following format

1	Name of the Farmer	Sri Susanta Kumar Naik
2	Address: i) Village ii) Post iii) Tehsil iv) District v) State	Kandabahal Bhedabahal Sadar, Sundargarh Sundargarh Orissa
3	Contact Details:	09853435649
4	Details of the farm (size, location, water availability etc.)	Mushroom farm (Size: 50' x 15'; Location: home stead; dug well, use of fogger for maintaining temperature & humidity)
5	Membership in Self-Help Group, Producers Cooperative/ Company, Cooperative Society etc. (give details)	Non- member
6	Names of the Central Sector/ State Schemes utilized by the farmer and the	Own fund, technical & training support from Krishi Vigyan Kendra, Sundargarh



	period			
7	Technologies/ Good Agricultural Practices/ Facilities/ Benefits obtained with details	Paddy straw and oyster mushroom technology round the year in controlled environment. Waste materials from mushroom unit , utilized in vermi-compost unit		
8	Details of results obtained due to the adoption of technologies (Season-wise crops grown, techniques adopted, results achieved etc.)	Improved/ present production technologies		Traditional/ past production practices
		Paddy straw	Oyster	
	i) Productivity per bed	1.3-1.5 kg	1.2-1.5 kg	
	ii) Cost of production per bed	Rs.45/-	Rs.35/-	
	iii) Net income per bed	Rs.150/-	Rs.90/-	
	iv) Price realized (Rs. per bed)	Rs.105/-	Rs.55/-	
	v) Natural resources saved/ conserved like soil, water etc.	Field waste (straw) utilized in mushroom & waste from mushroom unit recycled to vermi-compost, family labour fully utilized and employment for two labours generated round the year. Home stead space commercially utilized for income generation.		
	vi) Product quality improvement	N/A		
9	Marketing Strategy – Access to market (through private, cooperative, contract farming etc.)	Market access in nearby town of Sundargarh through door step sale		
	Export market (details of exports made)	N/A		
10	Factors contributing to success	Innovativeness, sincerity, encouragement & support from KVK and family. Linkage with spawn manufacturing unit at Bhubaneswar.		
11	Any other relevant information	Horizontal spread through “Seeing is believing” many youths of nearby villages have been inspired by the success and this farmer has become master trainer for others. Now he is conducting trial with different substrate materials e.g. wheat straw, maize		

		stover, Jowar straw and sesamum straw to find out highest yield potential in his own interest with technical support from ATMA & KVK.
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**Krishi Vigyan Kendra, Kirei, Sundargarh, Orissa - 770073**

1	Name of the Farmer Age Education	Sri Bijay Kumar Naik 45 Graduate
2	Address: i) Village ii) Post iii) Tehsil iv) District v) State	Bhagapalli Rangadhipa Subdega Sundargarh Orissa
3	Contact Details:	09437675944
4	Details of the farm (size, location, water availability etc.)	Goat farm (Size: 30' x 15'; Location: home stead; dug well)
5	Membership in Self-Help Group, Producers Cooperative/ Company, Cooperative Society etc. (give details)	President, Krishak Club, Bhagapalli FAC member, ATMA NFSM member RMC member
6	Names of the Central Sector/ State Schemes utilized by the farmer and the period	Own fund, technical training support from Krishi Vigyan Kendra, Sundargarh in collaboration with ATMA
7	Technologies/ Good Agricultural Practices/ Facilities/ Benefits obtained with details	Goatery with good quality breeding buck; health care & vaccination facility provided by KVK through local AH department, Local one year goats were previously sold @Rs.1500 but now improved breed is fetching Rs.4000 for the same. Total turn over is approximately Rs.1.5 lakhs annum.
8	Details of results obtained due to the adoption of technologies (Season-wise crops grown, techniques adopted, results achieved etc.)	Presently he has 24 doe, 15 kids of less than 4 months age, 10 kids of 8 months age and 2 breeding bucks over a period of 8 months.
9	Marketing Strategy – Access to market (through private, cooperative,	Market access in nearby town of Sundargarh, Rajgangpur & Jharsuguda. KVK has linked the

	contract farming etc.)  Export market (details of exports made)	farmer with different private catering agencies for marketing of meat and for sale of kids and starting of new goatery unit different SHGs have been linked. N/A
10	Factors contributing to success	Innovativeness, sincerity, encouragement & support from KVK and family. Linkage with market and SHGs for sale of kids and meat.
11	Any other relevant information	Horizontal spread through “Seeing is believing” many youths & SHG members of nearby villages have been inspired by the success and this farmer has become master trainer for others. Now he is operating a buck breeding unit & intends to supply good quality goat kids to farmers.

### 19. Details of KVK Agro-technological Park

Name of KVK	Name of Component of Park	Detail Information (If established)
	Crop Cafeteria	
	Technology Desk	
	Visitors Gallery	
	Technology Exhibition	
	Technology Gate-Valve	

### 20. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
	Dr.S.S.Nanda, DEE	24.09.2010	SAC meeting
	Prof. D.P.Ray, Hon'ble V.C.	04.11.2010	Farmers' Hostel inauguration
	Dr.S.S.Nanda, DEE	04.11.2010	Farmers' Hostel inauguration

21. Status of KVK Website: Available/Not Available:Available

### 22. 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			

## 23. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
	Gosthies	1	15	Poultry
	Lectures organized	1	50	Crop diversification
	Exhibition	1	100	Dry land Agriculture
	Film show	1	50	SRI
	Fair	1	100	Crop Management
	Farm Visit	1	50	Horticulture
	Diagnostic Practical's	1	25	Honey bees
	Distribution of Literature (No.)	1	50	
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
	Bio Fertilizers (q)			
	Distribution of fingerlings (No)			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week	8	440	

## 24. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

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

Major area coverage under alternate crops/varieties

Mane of KVK	Crops	Area (ha)	Number of beneficiaries
	Oilseeds		
	Pulses		
	Cereals		
	Vegetable crops		
	Tuber crops		
	Fruits		
	Spices		

	Cotton		
	<b>Total</b>		

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No.of participants
	Dairy Management		
	Disease management		
	Feed and fodder technology		
	Poultry management		

Animal health camps organised

Name of KVK	Number of camps	No.of animals	No.of farmers
Sundargarh	1	168	50

Seed distribution in drought hit states

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

Seedlings and Saplings distributed

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

**Bio-control Agents**

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

**(e) Bio-Fertilizer**

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




**(f) Verms Produced**

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

**(g) Large scale adoption of resource conservation technologies**

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

**(h) 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

25. **Status of KVK Website:** Already having website/under construction  
 If available, please provide the address of website:www.kvksundargarh.com

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