

# FORMAT 1- GENERAL, OFT & FLDS

## REPORTING PERIOD – 1<sup>st</sup> April, 2009 to 31<sup>st</sup> March, 2010

### Summary of achievements during the reporting period

KVK Name	Activity	Target		Achievement	
		Number of activity	Number of farmers/ beneficiaries	Number of activity	Number of farmers/ beneficiaries
Sundargarh	OFTs	4	20	4	18
Sundargarh	FLDs – Oilseeds (activity in ha)	10.0	20	10.0	20
Sundargarh	FLDs – Pulses (activity in ha)	10.0	20	9.0	26
Sundargarh	FLDs – Cotton (activity in ha)	-		-	
Sundargarh	FLDs – Other than Oilseed and pulse crops(activity in ha)	5	25	4	33
Sundargarh	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	3	25	3	25
Sundargarh	Training-Farmers and farm women	45	1200	43	1130
Sundargarh	Training-Rural youths	6	90	6	65
Sundargarh	Training- Extension functionaries	7	105	7	120
Sundargarh	Extension Activities	319	3000	332	2766
Sundargarh	Seed Production (Number of activity as seeds in quintal)	24.6		24.6	
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)	30000	50	35000	55
Sundargarh	Sapling Production (Number of activity as number of sapling in numbers)	-		-	
Sundargarh	Other Bio- products	-			
Sundargarh	Live stock products	-		-	
Sundargarh	SAC Meeting (Date & no. of core/official members)	-		-	
Sundargarh	Newsletters (no.)	01	1000	02	600
Sundargarh	Publication (Research papers, popular article)				
Sundargarh	Convergence programmes / Sponsored programmes	02	80	05	190
Sundargarh	Outreach of KVK in the District (No. of blocks, no. of villages)	05(10)	2000	05(10)	2000

Please do not change the format of tables.

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# 1. GENERAL INFORMATION

## 1.1. 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%)

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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.
Major crops of the district	Paddy, black gram, green gram, arhar, horse gram, sesamum, groundnut, mustard, wheat and maize	Forest area	1,60,583 ha.
		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.

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

<b>KVK Name</b>	<b>Village Name</b>	<b>Year of adoption</b>	<b>Block Name</b>	<b>Distance from KVK</b>	<b>Population</b>	<b>Number of farmers (having land in the village)</b>
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

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

<b>KVK Name</b>	<b>THRUST AREA</b>
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

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#### 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 (136 q/ha)	PRA & Group Discussion
Sundargarh	Low yield in brinjal (118 q/ha)	PRA & Group Discussion
Sundargarh	Low yield in pointed gourd (242 q/ha)	PRA & Group Discussion
Sundargarh	Lack of knowledge of IPM practices	PRA & Group Discussion

## 2. OFT (conducted during Kharif 2009 and Rabi 2009-10)

### 2.1 Basic information of the Technology taken by the KVK

KVK name	Year	Season	Category of technology (Assessment/Refinement)	OFT on crop/Enterprise	Title of OFT	OFT ID* (to be created by the KVK)	Name of Crop/Enterprise	No of trials		Area (ha)		Status of the OFT (Completed/Continued/Result awaited)
								Targeted	Achieved	Targeted	Achieved	
Sundargarh	2009	Kharif	Assessment	Crop	Assessment of yield potential of variety Swarnarekha	0910101	Pointed gourd	05	03	0.03	0.023	Completed
Sundargarh	2009-10	Rabi	Assessment	Crop	Assessment of yield potential of variety 'Utkal Raja'	0910202	Tomato	05	05	0.1	0.1	Completed
Sundargarh	2009-10	Rabi	Assessment	Crop	Assessment of IPM for control of fruit & shoot borer in Brinjal	0910203	Brinjal	05	05	0.4	0.4	Completed
Sundargarh	2009-10	Rabi	Assessment	Crop	Assessment of IDM for stem rot in pointed gourd	0910204	Pointed Gourd	05	05	0.2	0.2	Continued

\* KVK+Year+Season+Discipline & Code

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## 2.2 Details of Problems taken as OFT by the KVK

KVK name	OFT ID	Problem diagnose	Thematic area	Farmers' practice (T <sub>1</sub> )	Farming situation				Total Area of the district (in ha ) affected by the problem	Name of the block(s) under KVK where the problem occurs
					Soil type	Irrigation	Type of Cultivation (Low land/ Mid land/ Up land)	Cropping system		
Sundargarh	0910101	Poor yield from local cultivar	Varietal Evaluation	Use of local planting materials	Sandy Loam	Partially irrigated	Upland/Medium land	Vegetable-Vegetable	100	Tangarpalli
Sundargarh	0910202	Poor yield from local cultivar	Varietal Evaluation	Use of local degenerated seeds	Loam	Irrigated	Medium land	Rice-Vegetable	900	Badgaon
Sundargarh	0910203	Yield loss upto 35% due to damage of fruit & shoot borer in Brinjal	IPM	Application of Endosulfan	Sandy Loam	Partially irrigated	Upland/Medium land	Vegetable-Vegetable	500	Sadar
Sundargarh	0910204	Prevalence of stem rot reduce yield by 20%	IDM	Application Mancozeb & carbendazim	Sandy Clayl loam	Irrigated	Medium land	Vegetable-vegetable	100	Tangarpalli

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

KVK Name	OFT ID No	Details of technology selected (T <sub>2</sub> )	Source of technology	Year of release of technology	If refinement in the technology, give details of refinement over recommended practices (T <sub>3</sub> )
Sundargarh	0910101	Varietal replacement	HARP, Ranchi	--	
Sundargarh	0910202	Varietal replacement	OUAT,BBSR	--	
Sundargarh	0910203	Use of Pheromon trap or water trap @ 25nos./ha & alternate spraying of neem pesticides	OUAT,BBSR	--	
Sundargarh	0910204	<i>Trichoderma viridi</i> @2kg/acre as basal dose, drenching & spraying of metalaxyl-MZ@ 2.5 gm/lit water at 10 days interval	OUAT-BBSR	--	

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## 2.4 Performance of the technology for assessment/refinement

### A. Production

KVK Name	OFT ID	Main Products				Bye- Product			
		Unit of measurement	Farmer's Practice (T <sub>1</sub> )	Recommended Practice (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	Unit of measurement	Farmer's Practice (T <sub>1</sub> )	Recommended Practice (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )
Sundargarh	0910101	qtl	211	306					
Sundargarh	0910202	qtl	160	266					
Sundargarh	0910203	qtl	160	210					
Sundargarh	0910204	qtl				Results awaited			

### B. Parameters

KVK Name	OFT ID	Observations taken on parameter 1					Observations taken on parameter 1I				
		Parameter name	Unit of measurement	Farmer's Practice (T <sub>1</sub> )	Recommended Practice (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	Parameter name	Unit of measurement	Farmer's Practice (T <sub>1</sub> )	Recommended Practice (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )
Sundargarh	0910101	Yield	qtl	211	306						
Sundargarh	0910202	Yield	qtl	160	266						
Sundargarh	0910203	Yield	qtl	160	210		Infected fruit/sq mt	%	35	24	
Sundargarh	0910204	Yield	qtl				No. of plants affected /sqmt.	No.			

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### C. Economic Performance

KVK name	OFT ID	Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Farmer's Practice (T <sub>1</sub> )	Recommended Practice (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	Farmer's Practice (T <sub>1</sub> )	Recommended Practice (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	Farmer's Practice (T <sub>1</sub> )	Recommended Practice (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	Farmer's Practice (T <sub>1</sub> )	Recommended Practice (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )
Sundargarh	0910101	103000	125000		350000	562000		247000	437000		2.41	3.49	
Sundargarh	0910202	62290	71980		80000	133000		17710	61020		1.2	1.84	
Sundargarh	0910203	60000	65000		112000	147000		52000	82000		1.87	2.26	
Sundargarh	0910204												

### 2.5 Recommendations/message form assessed/refined technology

KVK Name	OFT ID No	Final recommendation for micro level situation	Constraints identified and feedback for research	Process of farmers participation and their reaction	Farmers feed back	Process for sensitization of the line departments for replacement of the technology			
						Workshop/ meetings	Trainings	Visits	Publications
Sundargarh	0910101	The variety can popularised due to more yield and quality fruit.	Lack of availability of planting materials	Group discussion, field visit	Availability of planting material in the locality to be taken care of.			06	
Sundargarh	0910202	The variety can popularised due to more yield and quality fruit.	Value addition is a constraint	Farmers' meeting, Training and Farmers' Visit	Availability of seeds in the locality to be taken care of.		01	03	01
Sundargarh	0910203	IPM method is more effective, ecofriendly and sustainable for management of most potent problem of fruit & shoot borer attack.	Availability of Pheromone & water trap	Farmers' meeting, Training and Farmers' Visit	Farmers are highly convinced of the management practice due to its efficacy		01	02	
Sundargarh	0910204	Results awaited		Farmers' meeting, Training and Farmers' Visit			01	03	01

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

KVK Name	OFT ID No	Farmers' name	Main Product (qtl/ha)			By-Product (kg/ha)			Observations on Other Parameter					Observations on Other Parameter				
			T <sub>1</sub>	T <sub>2</sub>	T <sub>3</sub>	T <sub>1</sub>	T <sub>2</sub>	T <sub>3</sub>	Parameter name	Unit	T <sub>1</sub>	T <sub>2</sub>	T <sub>3</sub>	Parameter name	Unit	T <sub>1</sub>	T <sub>2</sub>	T <sub>3</sub>
Sundargarh	0910101	Pancham Dhuraa	215	310														
Sundargarh	0910101	Anil Patel	209	301														
Sundargarh	0910101	Sakanti Sunani	213	308														
Sundargarh	0910202	Josin Pradhan	160	250														
Sundargarh	0910202	Parameswar Sekhar Deo	165	260														
Sundargarh	0910202	Lingaraj Pradhan	175	275														
Sundargarh	0910202	Ghanashyam Nayak	150	270														
Sundargarh	0910202	Tapan Sa	150	280														
Sundargarh	0910203	Kedar Patel	156	218					Infected fruit/sq mt	%	32	22						
Sundargarh	0910203	Panchanan Patel	154	215					Infected fruit/sq mt	%	39	23						
Sundargarh	0910203	Harish Ch.Pradhan	163	208					Infected fruit/sq mt	%	38	26.5						
Sundargarh	0910203	Kesab Pradhan	165	206					Infected fruit/sq mt	%	32	24						
Sundargarh	0910203	Raindra Dansena	162	203					Infected fruit/sq mt	%	34	24.5						
Sundargarh	0910204	Santanu Kaudi							No. of plants affected /sqmt.	No.								
Sundargarh	0910204	Khageswar Mahanadia							No. of plants affected /sqmt.	No.								
Sundargarh	0910204	Panchanan Patel							No. of plants affected /sqmt.	No.								
Sundargarh	0910204	Ashok Naik							No. of plants affected /sqmt.	No.								
Sundargarh	0910204	Narayan Kisan							No. of plants affected /sqmt.	No.								

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

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

KVK Name	Crop/ Enterprise	Thematic Area Code	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	Paddy	10	HYV paddy	TV talk, Radio talk, News paper, Leaflets, Training, Demonstrations, Field day, Field visit etc.	1	2	0.4
Sundargarh	Paddy	20	IPM in paddy	TV talk, Radio talk, News paper, Leaflets, Training, Demonstrations, Field day, Field visit etc.	3	10	1.0
Sundargarh	Brinjal	20	IPM in brinjal	TV talk, Radio talk, News paper, Leaflets, Training, Demonstrations, Field day, Field visit etc.	3	8	1.0
Sundargarh	Cauliflower	20	IPM in cauliflower	TV talk, Radio talk, News paper, Leaflets, Training, Demonstrations, Field day, Field visit etc.	3	8	1.0
Sundargarh	Tomato	10	Wilt tolerant variety (Utkal Kumari)	Radio talk, Leaflets, Training, Demonstrations, Field day, Field visit etc.	1	5	0.4
Sundargarh	Cauliflower	10	Off -season variety (Himlata)	TV talk, Radio talk, Leaflets, Training, Demonstrations, Field day, Field visit etc.	1	5	0.4

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### 3.2 Details of FLDs implemented

KVK Name	Type (Crop/Enterprise)	Name of Crop/Enterprise	Category of crops*	Category of Enterprise**	Season and year	Thematic area	Area (ha) in case of crop	No. of Units, in case of Enterprise	Size of Unit in case of Enterprise	No. of farmers				
										SC	ST	OBC	Others	Total
Sundargarh	Crop	Tomato	Vegetable	-	Kharif 2009	Varietal Evaluation	1.125	-	-		05	01	02	08
Sundargarh	Crop	Onion	Spices	-	Rabi-2009-10	Varietal Evaluation	0.4	-	-		08	02		10
Sundargarh	Crop	Water melon	Fruit	-	Summer-2010	Varietal Evaluation	0.4	-	-	02	03	05		10
Sundargarh	Crop	Chilli	Vegetable	-	Rabi-09-10	IPM	0.4	-	-	01	01	03		05
Sundargarh	Enterprise	Mushroom	-	Mushroom	Rabi-09-10	Mushroom cultivation	100 beds	10	10 beds each	01	05	04		10
Sundargarh	Enterprise	Mushroom	-	Mushroom	Summer-10	Mushroom cultivation	100 beds	10	10 beds each	01	08	01		10
Sundargarh	Enterprise	Poultry		Banaraja	Yearround		50no.s	05	10 each	02	03			05

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

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

### 3.3 Details of farming situation

KVK Name	Name of Crop/Enterprise	Farming situation (Rainfed/Irrigated)	Soil type	Type of Cultivation (Low land/ Mid land/ Up land)	Cropping system	Previous crops	Status of soil (kg/ha)			Sowing Time	Harvest date	Seasonal rainfall (mm)	No. of rainy days	Status of the FLD (Completed/ Continued/ Result awaited)
							N	P	K					
Sundargarh	Crop	Irrigated	Sandy loam	Medium land	Paddy-Vegetable	Paddy	Low	Medium	Low	25.07.09	28.9.09			
Sundargarh	Crop	Irrigated	Sandy loam	Medium land	Paddy-Vegetable	Paddy	Low	Medium	High	14.11.09	22.03.10			Completed
Sundargarh	Crop	Irrigated	Loam	Medium land	Vegetable-Vegetable	Vegetable	Low	Low	High	27.01.10	Fruiting stage			Continued
Sundargarh	Crop	Irrigated	Sandy loam	Medium land	Vegetable-Vegetable	Vegetable	Low	Medium	High	25.10.09	12.03.10			Completed
Sundargarh	Enterprise	-	-	-	-	-	-	-	-	07.12.09	24.01.10			Completed
Sundargarh	Enterprise	-	-	-	-	-	-	-	-	31.03.10	-			Continued
Sundargarh	Enterprise	-	-	-	-	-	-	-	-	26.03.10	-			Continued

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### 3.4 Details of Technology demonstrated

KVK Name	Name of Crop/ Enterprise	Problem Identified	Detail of Farmers practice (Local Check)	Name of Technology	Detail of the technology demonstrated	Source and year of technology released	Thematic Area	Name of Variety Used	Characteristic of the variety	Source of variety and year of release	Whether assessed under OFT or not
Sundargarh	Tomato	Low yield due to use of local cultivar	Use of local variety	Varietal introduction	Package of practice	OUAT	Varieatal Evaluation	Utkal Kumari	Medium sized, hard skin, wilt resistant	OUAT	
Sundargarh	Onion	Low yield due to use of local cultivar	Use of local variety	Varietal introduction	Package of practice	NRC Onion/ Garlic	Varieatal Evaluation	AFLR	Medium sized, light pink skin, good storage quality		Yes
Sundargarh	Water Melon	Low yield due to cultivar	Use of local variety	Varietal introduction	Package of practice	IIHR	Varieatal Evaluation	Sugarbaby	Medium sized, seed size medium , 7-8 fruits per plant and flesh deep red		No
Sundargarh	Chilli	Low yield due to incidence of curling	Application of Carbendazim	Spraying of systematic insecticides	Alternate spraying of imidaclopid&Dimethote	ANGRAU, 2000	IPM	Bamra-local	Highly pungent	local	No
Sundargarh	Enterprise	Wastage of by product of Paddy( Straw)	-	Package of practice	Package of practice of Oyster mushroom	OUAT	Varieatal Evaluation	Oyster	Suitable for cultivation in winter	OUAT	No
Sundargarh	Enterprise	Wastage of by product of Paddy( Straw)	-	Package of practice	Package of practice of Paddy straw	OUAT	Varieatal Evaluation	Paddy Straw	Suitable for cultivation in rainy season	OUAT	No
Sundargarh	Enterprise	Wastage of household garbages	-	Method of rearing	Method of rearing	OUAT	Varieatal Evaluation	Banaraja	Suitable for Backyard poultry rearing	OUAT	No

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Please write name of KVK in each row, Please do not use "Enter Key" in table. Use only "Arrow Key" or "Tab Key" or Mouse for moving in Table.

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### 3.5 Performance of FLD

#### A. Production

KVK Name	Name of Crop/Enterprise	Thematic Area	Variety	No. of Farmers	Area (ha)	Production (q/ha)				Increase in yield (%)
						Demonstration			Local Check	
						Maxi	Min	Average		
1	2	3	4	5	6	7	8	9	10	11
Sundargarh	Tomato	Varietal Evaluation	Utkal Kumari	08	1.125	188	168	179	105	59
Sundargarh	Onion	Varietal Evaluation	Agri Found light red	10	0.4	165	108	120	90	33
Sundargarh	Watermelon	Varietal Evaluation	Sugarbaby	10	0.4					
Sundargarh	Chilli	IPM	Bamra-local	5	0.4	48	30	40.0	30.0	33
Sundargarh	Enterprise	Varietal Evaluation	Oyster	10	100 beds	0.03	0.017	0.025		
Sundargarh	Enterprise	Varietal Evaluation	Paddy Straw	10	100 beds					
Sundargarh	Enterprise	Varietal Evaluation	Banaraja poultry	05	50 no.s					

#### B. Other Parameters (continuation of previous table)

KVK Name	Name of Crop/Enterprise	Data on parameter in relation to technology demonstrated				Data on parameter in relation to technology demonstrated				Data on parameter in relation to technology demonstrated			
		Name of parameter	Unit	Demo	Local Check	Name of parameter	Unit	Demo	Local Check	Name of parameter	Unit	Demo	Local Check
		12	13	14	15	16	17	18	19	20	21	22	23
Sundargarh	Chilli	Disease incidence	%	22	60	yield	qt	7	5.4	-	-		

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### C.Economic Impact (continuation of previous table)

KVK Name	Name of Crop/Enterprise	Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check
		24	25	26	27	28	29	30	31
Sundargarh	Tomato	41000	30000	154000	90000	113000	60000	2.73	2.0
Sundargarh	Onion	17720	14775	60000	45000	42280	30225	3.38	3.0
Sundargarh	Water melon								
Sundargarh	Chilli	70000	88000	180000	240000	110000	152000	2.75	2.57
Sundargarh	Mushroom ( Oyster)	20		200		180		2.8	
Sundargarh	Mushroom ( Paddy Straw)								
Sundargarh	Banaraja Poultry								

### 3.6 Analytical Review of component demonstrations

KVK Name	Crop	Season	Type of Demo (Full Package/ Component)	Components provided by KVK	Components provided by Farmers	Farming situation	Average yield under demonstration(q/ha)	Average yield under Local check (q/ha)	Percentage increase in productivity over local check
Sundargarh	Tomato	Kharif 09	Component	Seedlings	Fertiliser & Pesticide	Irrigated Medium Land	179	105	59
Sundargarh	Onion	Rabi-09-10	Full Package	Seed & Pesticide	Fertiliser	Irrigated Medium Land	120	90	33
Sundargarh	Water melon	Summer-10	Full Package	Seed & Hormone	Fertiliser & Pesticide	Irrigated Medium Land			
Sundargarh	Chilli	Rabi-09-10	Component	Plant protection measures	Seed & fertilizer	Irrigated Medium Land	40	30	33
Sundargarh	Mushroom ( Oyster)	Rabi-09-10	Full Package	Spawn, Polythene & additives	Straw	-	0.025		
Sundargarh	Mushroom ( Paddy Straw)	Summer-10	Full Package	Spawn, Polythene & additives	Straw	-			
Sundargarh	Banaraja poultry	Year round	Method of rearing	Chicks & Feed & Vaccine	Feed	-			

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### 3.7 Technical Feedback on the demonstrated technologies

KVK Name	Crop	Demonstrated Technology	Village	Block Name	Feed Back
Sundargarh	Tomato	Varietal Introduction	Bandubahal/ Phulbari	Sadar/Badgaon	The variety yielded 59% more over the local cultivar and medium sized fruits with good keeping quality and high market value.
Sundargarh	Onion	Varietal Introduction ( AFLR)	Bandubahal	Sadar	The variety yielded 33% more over the local cultivar and the size of the bulbs are attractive with good market value.
Sundargarh	Chilli	IPM for fruit & shoot borer	Chakaramal	Tangarpalli	IPM controls fruit & shoot borer more effectively than chemical control of application of endosulfan with yield advantage of 33%.
Sundargarh	Mushroom ( Oyster)	Varietal Introduction ( Oyster)	Bandubahal/ Phulbari	Sadar/Badgaon	Farmers/farm women are well convinced of mushroom cultivation as one of the best income generating activity

### 3.8 Farmers' reactions on specific technologies

KVK Name	Crop	Demonstrated Technology	Farmers' Name	Feed Back
Sundargarh	Tomato	Varietal Introduction	Prafulla Kumar Bisi	The variety yielded 59% more over the local cultivar and medium sized fruits with good keeping quality and high market value.
Sundargarh	Onion	Varietal Introduction ( AFLR)	Harish Chandra Pradhan	The variety yielded 33% more over the local cultivar and the size of the bulbs are attractive
Sundargarh	Chilli	IPM for fruit & shoot borer	Kedar Patel	IPM controls fruit & shoot borer more effectively than chemical control of application of endosulfan with yield advantage of 33%
Sundargarh	Mushroom ( Oyster)	Varietal Introduction ( Oyster)	Tapaswini Pradhan	She is well convinced of mushroom cultivation as one of the best income generating activity

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### 3.9 Extension and Training activities under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Sundargarh	Onion	Field days			
Sundargarh		Farmers Training	03	75	
Sundargarh		Media coverage	01	40	
Sundargarh		Training for extension functionaries			
Sundargarh	Mushroom	Field days			
Sundargarh		Farmers Training	03	75	
Sundargarh		Media coverage	01	30	
Sundargarh		Training for extension functionaries			
Sundargarh	Chilli	Field days			
Sundargarh		Farmers Training	03	75	
Sundargarh		Media coverage	01	30	
Sundargarh		Training for extension functionaries			
Sundargarh	Banaraja Poultry	Field days			
Sundargarh		Farmers Training	02	30	
Sundargarh		Media coverage	01	20	
Sundargarh		Training for extension functionaries			
Sundargarh	Tomato	Field days			
Sundargarh		Farmers Training	04	100	
Sundargarh		Media coverage	01	25	
Sundargarh		Training for extension functionaries			

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## **IMPORTANT INSTRUCTION**

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

**Please do not change the format of tables.**

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