

**ANNUAL PROGRESS REPORT
OF
KVK SUNDARGARH**

2012-13

REPORTING PERIOD – April 2012 to March, 2013

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			11	65	
Sundargarh	FLDs – Oilseeds (activity in ha)	2	24	2	27	
Sundargarh	FLDs – Pulses (activity in ha)	1	12	1	12	
Sundargarh	FLDs – ISOPOM(activity in ha)			2	52	
Sundargarh	FLDs – Other than Oilseed and pulse crops (activity in ha)	15	144	10	104	
Sundargarh	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	4	40	2	10	
Sundargarh	Training-Farmers and farm women	55	1375	42	1075	
Sundargarh	Training-Rural youths	17	340	6	90	
Sundargarh	Training- Extension functionaries	11	110	7	100	
Sundargarh	Extension Activities	1228	9745	1192	8566	
Sundargarh	Seed Production (Number of activity as seeds in quintal)	2	30	2	22.95	
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)	10000	200	12810	236	
Sundargarh	Sapling Production (Number of activity as number of sapling in numbers)					
Sundargarh	Other Bio- products Vermin	-		10 kg		
Sundargarh	Live stock products Backyard poultry	200	20	100		
Sundargarh	SAC Meeting (Date & no. of core/official members	2	50	1 (19.10.12)	20	
Sundargarh	Newsletters (no.)	2	2000	3	1500	
Sundargarh	Publication (Research papers, popular article)			7	500	
Sundargarh	Convergence programmes / Sponsored programmes			4		
Sundargarh	KVK-ATMA Linkage programme (Number of activities)			10		
Sundargarh	Outreach of KVK in the District (No. of blocks, no. of villages)					
Sundargarh	Soil sample tested	100	100	176	176	
Sundargarh	Water sample tested					
Sundargarh	KMA (No. of messages & beneficiaries)	100	100	111	644	

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	Mr. M.P.Nayak	Agril. Extension	M.Sc(Ag.)	Agril. Extension	15600-6000-39100	20590	13.9.2012	Regular	Others
Sundargarh	Subject Matter Specialist	Mr.D.J.Bage	Agril.(Extn)	MSc(Ag)	Agril. Extension	15600-6000-39100	20590	08.08.2012	Regular	ST
Sundargarh	Subject Matter Specialist	Mrs. B L Rout	Home Science	MSc (Home Science)	Home Science	15600-6000-39100	17610	22.10.09	Regular	SC
Sundargarh	Subject Matter Specialist	Mr. S. Satapathy	Agronomy	MSc (Ag)	Agronomy	15600-6000-39100	16920	16.12.2010	Regular	Others
Sundargarh	Computer Programmer	Mr. A K Mishra	Computer	MCA	Computer Application	9300-4200-34800	13580	1.7.2011	Regular	Others
Sundargarh	Accountant / superintendent	Mr. D.N.Rout	Official		On deployment at OUAT Hqr, Bhubaneswar					Others
Sundargarh	Driver	Mr. B. Sa				5200-1900-20000	5870	19.7.08	Regular	Others
Sundargarh	Supporting staff	Mr. S N Pradhan				4440-1300-7000	4990	4.8.08	Regular	Others
Sundargarh	Supporting staff	Mr. B Chhatria				4440-1300-7000	5380	1.12.2010	Regular	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 ⁰ 32'-85 ⁰ 22'E	Female in Non-Agril.	1,12,544
Latitude	20 ⁰ 35'-22 ⁰ 32'N	Work force in Agril.	43,94,070
MSL	300 m	Work force in Non-Agril.	3,00,706
Temperature (Max)	26 ⁰ - 41 ⁰ C	Geographical Area	9,712 Sq. Kms.
Temperature (Min)	12 ⁰ - 28 ⁰ 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 an 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, 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 Gangpur 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 occupies 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 contains better quality of vegetation. The principal forest products are timber, kendu-leaf and bamboo besides minor products 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	Tikilipada	2012-13	Bargaon	40	1200	145
Sundargarh	Salepali	2012-13	Sadar	30	1300	150
Sundargarh	Khamarbahal	2012-13	Tangarpali	25	900	120
Sundargarh	Amasaranga	2012-13	Sadar	20	1185	115
Sundargarh	Tileimalti	2010-11	Sadar	22	778	156

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

Identified Thrust Areas
To increase yield by substituting local / degraded varieties in vegetables and field crops.
To control disease & insect pest by integrated methods of pest control with organic articulation.
To promote integrated nutrient management in crop production.
To promote cultivation of lucrative off-season vegetables.
Emphasize on increasing the acreage of the fruit crops like mango, banana on commercial scale .
Popularise diversified cropping pattern in uplands (Oilseeds/Pulses/Maize).
Popularise integrated weed & nutrient management in crop production .

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.	PRA , Focus group discussion, Observation
Sundargarh	Local varieties are having low production potential and are susceptible to pest & diseases.	PRA , Focus group discussion, Observation
Sundargarh	Indiscriminate use of pesticides and fertiliser in irrigated areas.	PRA , Focus group discussion, Observation
Sundargarh	Poor income from upland crops.	PRA , Focus group discussion, Observation
Sundargarh	Poor income from animal husbandry	PRA , Focus group discussion, Observation
Sundargarh	Poor off farm income of resource poor farm families.	PRA , Focus group discussion, Observation

2. On Farm Testing

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	Kharif 2012	Low yield due to local variety	Assessment	Varietal Evaluation	Bajra	Rainfed upland	Assessment of Bajra variety JKBH-26	05	8.0	10.4	3900	5970	
Sundargarh	Kharif 2012	Low yield due to weed infestation	Assessment	IWM	Paddy	Rainfed medium land	Assessment of comparative performance of Pretilachlor & butachlor in paddy	05	39.2	43.6	16950	22288	
Sundargarh	Rabi 2012	Low yield from local variety	Assessment	Varietal evaluative	Onion	Irrigated med. Land	Assessment of onion variety Bhama super	05	125.8	154.3	45900	67590	
Sundargarh	Kharif 2012	Low yield from local variety	Assessment	Varietal evaluative	Cow pea	Rainfed upland	Assessment of cowpea var. Utkal manik	05	59.3	77.8	23040	39000	
Sundargarh	Rabi 2012	Low yield due to Zinc deficiency	Assessment	INM	Wheat	Irrigated medium land	Assessment Performance of Zn & PSB in wheat	10	29.6	35.4	16020	21350	
Sundargarh	Kharif 2012	Damage of early crop due to rotting	Assessment	IDM	Groundnut	Rainfed Upland	Assessment of IDM for rotting complex in groundnut	5	8.8	10.2	11400	14850	
Sundargarh	Rabi 2012 - 13	Low yield due to use of local variety	Assessment	Varietal evaluative	Papaya	Rainfed upland	Assessment of papaya variety Pusa Nanha	10	Crop in vegetative stage				
Sundargarh	Rabi 2012-13	Poor income from backyard floriculture and high market demand from	Assessment	IGA	Gladiolus	Rainfed	Assessment of gladiolus cultivation in backyard for income generation of farmwomen	5	Marigold 100qt/Ha	100,000 spikes/ha and 100000 Grade I corn/ha 100,000Gr	1,80,000	3,75,000	

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	
		gladiolus								ade II Corm/ha.			
Sundargarh	Kharif 2012	Poor availability of paddy straw	Assessment	IGA	Oyster mushroom	Rainfed	Assessment of Sesamum stalk for oyster mushroom cultivation	5	1.8kg	2.2kg	108/bed	132/bed	
Sundargarh	Rabi 2012	Low efficiency and high drudgery by use of spade	Assessment	Drudgery reduction	Vegetable	rainfed	Assessment of hand ridger for drudgery reduction in vegetable cultivation	5	35mandays/ha	25mandays/ha	4325/ha	3125/ha	
Sundargarh	Kharif 2012	Spoilage during storage	Assessment	Preservation of vegetables	onion	Rainfed	Assessment of improved low-cost storage structure for keeping onion	5	Storage period – Nil Storage loss – Nil	Storage period - 4 months Storage loss - 6%	16000	21500	

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 ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP(T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)
Sundargarh	Assessment of Bajra variety JKBH-26	Yield	8.0	10.4	6500	7550		10400	13520		3900	5970		1.6	1.8	
Sundargarh	Assessment of comparative performance of Pretilachlore & butachlore in paddy	Yield	43.6	38.2	24300	24800		41250	47088		16950	22288		1.7	1.9	
Sundargarh	Assessment Performance of Zn & PSB in wheat	Yield	35.4	29.6	19500	21150		35520	42500		16020	21350		1.82	2.01	
Sundargarh	Assessment of IDM for rotting complex in groundnut	Yield	10.2	8.8	17560	18750		26400	30600		8840	11850		1.5	1.63	
Sundargarh	Introduction of onion variety Bhima Super	Yield	154.3	125.8	54700	55850		100600	123440		45900	67590		1.84	2.21	
Sundargarh	Assessment of cowpea variety Utkal manika	Yield	77.8	59.3	36260	38800		59300	77800		23040	39000		1.63	1.81	
Sundargarh	Assessment of papaya variety Pusa nanha	Crop in vegetative stage														
Sundargarh	Assessment of gladiolus cultivation in backyard for income generation of farmwomen	Yield	100,000 spikes + 1,00,000 G I corn + 1,00 G-II corn	100q marigold	1,20,000	2,26,000		1,80,000	3,75,000	-	60,000	1,49,000		1.5	1.68	
Sundargarh	Assessment of Sesamum stalk in oyster mushroom cultivation	Yield	2.2	1.8	42/bed	42/bed		108/bed	132/bed		66/bed	90/bed		2.57	3.14	
Sundargarh	Assessment of hand ridger for drudgery reduction in vegetable cultivation	Pulse rate	110	140	4410	3150										
Sundargarh	Assessment of	Storage	4	-	NA	16000/-	-		37,500/-	-	-	21,500/-		-	2.3	

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 ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP(T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)
	improved low-cost storage structure for keeping of onion	period % loss	months 6%			per unit										

2.2 Feedback from KVK to Research System

Name of KVK	Feedback
Sundargarh	Suitable orchard based intercropping systems need to be standardized for different AES.
Sundargarh	Varieties of different vegetables may be assessed for off-season cultivation
Sundargarh	Suitable technologies may be developed for cultivation of paddy straw mushroom during summer.

3. Achievements of Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (2011-12)

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	Area (ha)	No of Farmers
Sundargarh	Groundnut	IWM	Herbicide (Oxyfluorfen 23.5% Ec) application in groundnut	Training demonstration, field day Radio talk, Tv talk	7	42	61
Sundargarh	Paddy	IWM	Herbicide (Pyrazosulfuron ethyl 10% WP) in paddy	Training demonstration, field day Radio talk, Tv talk	5	30	46
Sundargarh	Maize	Varietal substitution	Hybrid maize (Mahyco 3838) cultivation	Training demonstration, field day Radio talk, Tv talk	24	56	178
Sundargarh	Mustard	INM	INM in mustard	Training demonstration, field day Radio talk, Tv talk	16	78	119
Sundargarh	Paddy	IPM	Release of parasitoides and dragging of rope for management of case worm in paddy	Training demonstration, field day Radio talk, Tv talk	31	212	352
Sundargarh	Chilli	IDM	Spraying of copper oxychloride @ 3 gm / lt for management of die back	Training demonstration, field day Radio talk, Tv talk	18	36	156
Sundargarh	Backyard poultry	IGA	Brooding of Banaraja with nutrition management and vaccination	Training demonstration, field day Radio talk, Tv talk	12	-	34
Sundargarh	Vegetable nursery	IGA	Soil and seed treatment, line sowing in nursery bed	Training demonstration, field day Radio talk, Tv talk	5	2	23
Sundargarh	Groundnut	Drudgery reduction	Use of wheel finger weeder in weeding groundnut	Training demonstration, field day Radio talk, Tv talk	7	-	34

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/Techno logy/Entreprize s	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Sundargarh	Weed management	Maize	Kharif 2012	Appilication of Atrazine 50%WP @ 0.5kg a.i. per ha with one hand weeding	1ha	Atrazine, Mahyco 3838 (Hybrid)	38.2	32.8	16.46	0	5	0	0	5
Sundargarh	Weed management	Blackgram	Kharif 2012	Imazethapyr 10%SL @	1ha	Imazethapyr 10%SL	9.2	7.6	21.05	0	0	11	0	11
Sundargarh	Varietal Replacement	Paddy	Kharif 2012	New introduction of drought tolerant variety	1ha	Sahabhagi dhan	37.0	27.8	33.1	0	4	0	1	5
Sundargarh	Varietal Replacement	Paddy	Kharif 2012	New introduction of high yielding variety	1ha	Ranidhan	43.6	40.2	8.4	0	2	4	0	6
Sundargarh	Varietal Replacement	Paddy	Kharif 2012	Introduction of HYB paddy	1ha	Ajaya	55.4	41.0	35.1	0	4	0	1	5
Sundargarh	IGA	Indian honeybee	Kharif –Rabi 2012	Scientific method of rearing	5 units	<i>Apis cerana- indica</i>	Harvesting continuining			5				5
Sundargarh	Varietal Replacement	Okra	Summer 2012- 13	YVM tolerant variety introduction	0.4	Utkal Gourav	Harvesting continuining			6	4			10
Sundargarh	Varietal Replacement	Pumpkin	Rabi 2012-13	Application of plant growth regulators Ethrel @ 200ppm twice at 2 & 4 leave stages	0.4	Baidyabati	Crop in vegetative stage			1	4	6		10
Sundargarh	IGA	Poultry	Kharif & Rabi 2012	Brooding or 3 weeks with nutrition management & vaccination of chicks	200 nos	Banaraja chicks	60gm body wt/chi ck	120gm body wt/chick	100			19	1	20
Sundargarh	IGA	Paddystraw	Kharif 2012	Use of wheat bran as substrate for paddy straw mushroom cultivation.	100 beds	Volvariella Volvacea	1kg	1kg	No change		5	5		10
Sundargarh	Varietal replacement	Papaya	Kharif 2012	Introduction of honeydew variety	2000 nos	Honeydew	300q/ ha	400q/ha	33	2	14	6		22
Sundargarh	IGA	Vermicompost	Kharif & Rabi 2012	use of earthworm for compost making	5 units	Eisenia foetida,	3.5q/pit	-	-	3		2		5

3.2 Economic Impact of FLD

3.3

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
Sundargarh	Maize	Application of Atrazine 50% WP @ 0.5kg a.i. per ha with one hand weeding	Yield (q/ha)	38.2	32.8	24800	26500	38200	32800	13400	11700	1.54	1.24
			Weed No/m2	8.6	56.2								
Sundargarh	Blackgram	Imazethapyr 10%SL	Yield (q/ha)	9.2	7.6	14500	15800	32200	26600	17700	10800	2.2	1.68
			Weed No/m2	19.4	64.8								
Sundargarh	Paddy	New introduction of drought tolerant variety	Yield q/ha	37.0	27.8	22200	20100	39960	30050	17760	12080	1.8	1.49
Sundargarh	Paddy	New introduction of high yielding variety	Yield q/ha	43.6	40.2	24500	23700	47100	43400	22600	19700	1.92	1.83
Sundargarh	Paddy	Introduction of HYB paddy	Yield q/ha	55.4	41.0	31500	26100	59850	44280	28350	18180	1.9	1.7
Sundargarh	Indian honeybee	Scientific method of rearing	Yield/ annum			1800	600	8733	1600	6933	1000	4.8	2.6
Sundargarh	Okra	YVM tolerant variety introduction	Yield q/ha	Results awaited									
Sundargarh	Pumpkin	Application of plant growth regulators Ethrel @ 200ppm twice at 2 & 4 leave stages	Yield q/ha	Results awaited									
Sundargarh	Poultry	Brooding or 3 weeks with nutrition management & vaccination of chicks	Body wt (gm)	120	60	12/bird	2/bird	35/bird	15/bird	23/bird	12/bird	2.75	7.5
Sundargarh	Paddystraw	Use of wheat bran as substrate for paddy straw mushroom cultivation.	Kg/bed	1	1.2	42	55	100	120	58/bed	65/bed	2.3	2.18
Sundargarh	Papaya	Introduction of honeydew variety	q/ha	Results awaited									
Sundargarh	Vermicompost	Use of earthworm for compost preparation	q/pit	3.5	-	2500	-	4750	-	2250	-	2.11	

Feedback of the Farmers

Name of KVK	Feedback
Sundargarh	Weedicide (Atrazine) should be made available in the market
Sundargarh	Weedicide (Imazethapyr) should be made in the market
Sundargarh	Sahbhagidhan variety is performing very well in transplanted condition than direct sowing
Sundargarh	Ranidhan is less susceptible to pest and diseases
Sundargarh	Ajay Hybrid is having good cooking quality
Sundargarh	No YMV has been noticed in early vegetative stage
Sundargarh	Good no of flowers and fruit set has been observed after spraying of ethrel.
Sundargarh	Proper vaccination during brooding reduces field mortality. The process of vaccination is not that easy to farmers as vaccines are not available in small packs.
Sundargarh	Cost of cultivation is less when wheat bran in combination with pulse powder is used
Sundargarh	Composting process is quick.

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		Farmers Training	5	125	
Sundargarh		Media coverage			
Sundargarh		Training for extension functionaries			
Sundargarh	Black gram	Field days	1	50	
Sundargarh		Farmers Training	1	25	
Sundargarh		Media coverage			
Sundargarh		Training for extension functionaries			
Sundargarh	Paddy	Field days	1	50	
Sundargarh		Farmers Training	1	25	
Sundargarh		Media coverage			
Sundargarh		Training for extension functionaries			
Sundargarh	Paddy	Field days			
Sundargarh		Farmers Training	1	25	
Sundargarh		Media coverage			
Sundargarh		Training for extension functionaries			
Sundargarh	Paddy	Field days			
Sundargarh		Farmers Training	1	25	
Sundargarh		Media coverage			
Sundargarh		Training for extension functionaries			
Sundargarh	Okra	Field days			
Sundargarh		Farmers Training	1	25	
Sundargarh		Media coverage			
Sundargarh		Training for extension functionaries			
Sundargarh	Pumpkin	Field days			
Sundargarh		Farmers Training	1	25	
Sundargarh		Media coverage			
Sundargarh		Training for extension functionaries			
Sundargarh	Poultry	Field days	1	50	
Sundargarh		Farmers Training	2	40	
Sundargarh		Media coverage			

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Sundargarh		Training for extension functionaries			
Sundargarh	mushroom	Field days			
Sundargarh		Farmers Training	5	110	
Sundargarh		Media coverage			
Sundargarh		Training for extension functionaries			
Sundargarh	Papaya	Field days			
Sundargarh		Farmers Training	1	25	
Sundargarh		Media coverage			
Sundargarh		Training for extension functionaries			
Sundargarh	Vermicompost	Field days			
Sundargarh		Farmers Training	2	50	
Sundargarh		Media coverage			
Sundargarh		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
Sundargarh	FW	PRA, Diagonstic visit, Field visit	24.10.11,	50
Sundargarh	RYH	TNA through group discussion observation & questionnaire		25
Sundargarh	IS	DAO Conference, Meeting with line Dept. officials	29.10.11	100
Sundargarh	VOCATIONAL	Strategy meeting , E-Surveillance	24.10.11	30

Abbreviation Used

FW	(A) Farmers & Farm Women
RY	(B) Rural Youths
IS	(C) Extension Personnel
ONC	On Campus Training Programme
OFC	Off Campus Training Programme
M	Male
F	Female
T	Total
Thematic Areas for Training	
CRP	Crop Production
HOV	Horticulture – Vegetable Crops
HOF	Horticulture-Fruits
HOO	Horticulture- Ornamental Plants
HOP	Horticulture- Plantation crops
HOT	Horticulture- Tuber crops

HOS	Horticulture- Spices
HOM	Horticulture- Medicinal and Aromatic Plants
SFM	Soil Health and Fertility Management
LPM	Livestock Production and Management
WOE	Home Science/Women empowerment
AEG	Agril. Engineering
PLP	Plant Protection
FIS	Fisheries
PIS	Production of Inputs at site
CBD	Capacity Building and Group Dynamics
AGF	Agro-forestry
OTH	Others
RYH	Rural Youth
EXP	Extension Personnel

5. TRAINING PROGRAMMES

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

Table 5.1. Details of Training programmes conducted by the KVKs

Name of KVK	Category	Training type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Total	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	33	36
Sundargarh-I	FW	ONC	WOE	Value added products from mangoes	1	1	2	1			4	18	6	19
Sundargarh-I	FW	ONC	WOE	Paddy straw mushroom cultivation	1	1					5	20	5	20
Sundargarh-I	FW	OFC	WOE	Drudgery reduction by using hand ridger	1	1		20		3		2	0	25
Sundargarh-I	FW	ONC	WOE	Nutrient loss during cooking	1	1						25	0	25
Sundargarh-I	FW	OFC	WOE	Vermicomposting	1	1		11		1		13	0	25
Sundargarh-I	FW	OFC	WOE	Rearing of Banaraja chicks in backyard	1	1	0	23		1		1	0	25
Sundargarh-I	RY	OFC	WOE	Backyard Poultry Management	1	1				2		13	0	15
Sundargarh-I	FW	OFC	WOE	Hybrid Papaya Cultivation by Farm Women	1	1		6				19	0	25
Sundargarh-I	FW	OFC	WOE	Supplimentary Low cost Food preparation	1	1						25	0	25
Sundargarh-I	FW	OFC	WOE	Cultivation of Paddy straw Mushroom ,Theory	1	1				1		24	0	25
Sundargarh-I	FW	OFC	WOE	Cultivation of Paddy straw Mushroom ,Practical	1	1				1		24	0	25
Sundargarh-I	FW	OFC	WOE	Layout and Scientific Planning of Nutritional Garden in backyard	1	1	5	13		2		5	5	20
Sundargarh-I	FW	OFC	WOE	Vermicomposting for upliftment of Farm Women	1	1	0	18	0	5	0	2	0	25
Sundargarh-I	FW	OFC	WOE	Gladiolus Cultivation by Farm Women	1	1		11		1		13	0	25

Name of KVK	Category	Training type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Total	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	33	36
Sundargarh-I	FW	OFC	WOE	Gldiolus Cultivation by FarmWomen	1	1		11		1		13	0	25
Sundargarh-I	FW	OFC	WOE	Cultivation of Oyster Mushroom	1	1		3				22	0	25
Sundargarh-I	FW	OFC	WOE	Drudgery reduction by using hand ridger in vegetable	1	1		7		3		15	0	25
Sundargarh-I	RY	OFC	WOE	Value added products from Tomates	1	1		1		2		12	0	15
Sundargarh-I	FW	OFC	WOE	Cultivation of Oyster mushroom by using sesamum	1	1		6		3		16	0	25
Sundargarh-I	RY	OFC	WOE	Spice powder making from Agricultural products	1	1		5		1		9	0	15
Sundargarh-I	FW	OFC	WOE	Value added products from Mushroom	1	1		3		1		21	0	25
Sundargarh-I	IS	OFC	WOE	Preparation of Suplimentary food for malnutrition.	1	1		6		2		2	0	10
Sundargarh-I	IS	OFC	WOE	Eradication of Malnutrition among Children	1	1		4		2		4	0	10
Sundargarh-I	FW	OFC	WOE	Storage Loss Minimization Techniques of Onion	1	1		2		11		12	0	25
Sundargarh-I	FW	OFC	CP	Scientific method of kharif maize cultivation	1	1	2		6		14	3	22	3
Sundargarh-I	FW	OFC	CP	crop diversification in upland	1	1			4		21		25	0
Sundargarh-I	FW	OFC	CP	Paddy seed production technology	1	1	21		2		2	0	25	0
Sundargarh-I	FW	OFC	CP	Weed management in black	1	1	22		2		1		25	0
Sundargarh-I	FW	OFC	CP	Inm in paddy	1	1	2		2		11	10	15	10
Sundargarh-I	RY	OFC	CP	Vermicomposting	1	1	4		1		10		15	0
Sundargarh-I	FW	OFC	CP	Scientific method of kharif groundnut cultivation	1	1	3		1		21		25	0
Sundargarh-I	FW	OFC	CP	Weed management in kharif groundnut	1	1	25						25	0
Sundargarh-I	FW	OFC	CP	SRI Method of Rice cultivation	1	1			8		17		25	0
Sundargarh-I	FW	OFC	CP	Water management in paddy	1	1	20		1		4		25	0

Name of KVK	Category	Training type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Total	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	33	36
Sundargarh-I	FW	OFC	CP	Scientific method of bajra cultivation	1	1			8		17		25	0
Sundargarh-I	FW	OFC	CP	INM in wheat	1	1	2		1		22		25	0
Sundargarh-I	FW	OFC	CP	Weed management in Maize	1	1	13	12					13	12
Sundargarh-I				INM in mustard	1	1	1				15	9	16	9
Sundargarh-I	IS	ONC	CP	Organic Farming	1	1	5	1			4		9	1
Sundargarh-I	IS	ONC	CP	Hybrid Maize cultivation	1	1	6				4		10	0
Sundargarh-I	IS	ONC	CP	Integrated farming system	1	1	7	3					7	3
Sundargarh-I	FW	OFC	CP	Water management in Sunflower	1	1	1		8		16		25	0
Sundargarh-I	FW	OFC	CP	INM in maize	1	1			3		16	6	19	6
Sundargarh-I	FW	OFC	CP	INM in maize	1	1	2		7		16		25	0
Sundargarh-I	RY	ONC	CP	Integrated farming system	1	1	3		1		11		15	0
Sundargarh-I	FW	OFC	CBD	Market led production strategy	1	1	3	0	5	0	13	4	21	4
Sundargarh-I	FW	OFC	CBD	Village planning through community participation	1	1	25	0	0	0	0	0	25	0
Sundargarh-I	FW	OFC	CBD	Leadership development of progressive farmers	1	1	2	0	7	0	16	0	25	0
Sundargarh-I	FW	OFC	CBD	Village planning through community participation	1	1	1	0	11	0	13	0	25	0
Sundargarh-I	IS	ONC	CBD	Process documentation	1	1	25						25	0
Sundargarh-I	IS	ONC	CBD	ICT in agriculture	1	1	25						25	0
Sundargarh-I	FW	OFC	PP	IPM in cucurbitaceous crop	1	1	14	9	1		1		16	9
Sundargarh-I	RY	ONC	PP	Scientific rearing techniques of Apis cerena indica	1	1	4		2		9		15	0
Sundargarh-I	FW	ONC	PP	Disease and pest management in paddy nursery	1	1	2				23		25	0
Sundargarh-I	FW	OFC	PP	IPM in brinjal	1	1	12		5		8		25	0

Table 5.2. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
					SC		ST		Others	
					M	F	M	F	M	F
Sundargarh	Value added products from vegetables and fruits	Value addition	IGA	5	-	1	-	7	-	2
Sundargarh	Integrated farming system	IFS	IFS	5	-	-	5	-	10	-

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 elsewhere
		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 / 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	Income generating activities for rural youth through agriculture	IGA	IGA	RY	5	14	7	2	1	3	2	4	Nehru Yuba Kendra, Sundargarh	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.)
							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	Value added products from mangoes	25	20	80	75	250	30	70	1. 2. 42 3. 310, 253, 133
Sundargarh	Paddy straw mushroom cultivation	25	18	75	18	25	1800	2500	1. 35 2. 58 3. 316, 38.8, 38.8
Sundargarh	Drudgery reduction by using hand ridger	25	21	80	35	25	3500	2500	1. 45 2. 75 3. 320, 10, -10,000
Sundargarh	Nutrient loss during cooking	25	12	91	0	0	0	0	658%
Sundargarh	Vermicomposting	25	10	82	0	3.5	0	37500	1. 25 2. 70 3. 712, 3.5, 37,500
Sundargarh	Rearing of Banaraja chicks in backyard	25	20	78	60	120	20	40	1. 12 2. 240 3. 280, 100, 100
Sundargarh	Backyard Poultry Management	15	50	80	20	5	8000	9500	1. 42 2. 120 3. 60, -75, 18.75
Sundargarh	Hybrid Papaya Cultivation by Farm Women	25	30	70	300	400	1500	2000	1. 120 2. 250 3. 110, 33,33
Sundargarh	Supplimentary Low cost Food preparation	25	18	72	10	250	150	250	1. 25 2. 270 3. 318, 66, 66
Sundargarh	Cultivation of Paddy straw Mushroom	25	12	81	1	1	1200	6000	1. 52 2. 520 3. 610, 0, 400

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	Layout and Scientific Planning of Nutritional Garden in backyard	25	40	60	2.5	3.5	30	50	1. 20 2. 220 3. 120, 40, 66
Sundargarh	Gladiolus Cultivation by Farm Women	25	20	75	100	230	60000	149000	1. 50 2. 150 3. 310, 130, 148
Sundargarh	Cultivation of Oyster Mushroom	25	20	75	1.8	2.2	108	132	1. 60 2. 320 3. 275, 22, 22
Sundargarh	Drudgery reduction by using hand ridger in vegetable	25	20	80	35	25	350	250	1. 20 2. 80 3. 302, 40, 40
Sundargarh	Value added products from Tomates	15	30	70	30	75	25	75	1. 125 2. 212 3. 133, 150, 200
Sundargarh	Cultivation of Oyster mushroom by using sesamum	25	20	80	1.8	2.2	120	150	1. 24 2. 150 3. 280, 22, 18.2
Sundargarh	Spice powder making from Agricultural products	15	18	73	0	0	0	0	1. 2 2. 18 3. 305.5
Sundargarh	Value added products from Mushroom	25	0	60	0	25	60	120	1. 15 2. 30 3. 0, 0, 0
Sundargarh	Storage Loss Minimization Techniques of Onion	25	33	73	20	6	0	0	

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	Scientific method of kharif maize cultivation	25	40	81	32.8	38.2	11700	13400	1. 172 2. 218 3. 102.5, 16.16,
Sundargarh	crop diversification in upland	25	45	85	12.5	25.6	8500	14700	1. 108 2. 215 3. 88.88, 104.8
Sundargarh	Paddy seed production technology	25	22	65	35	37	15500	21000	1. 250 2. 310 3. 195, 5.7, 35.5
Sundargarh	Weed management in black	25	18	52	7.6	9.2	10800	17700	1. 170 2. 48 3. 188, 21.05, 63
Sundargarh	Inm in paddy	25	28	73	31	43	14300	18500	1. 250 2. 310 3. 160, 38.7, 29.37
Sundargarh	Vermicomposting	15	12	66		300	4600	12000	1. 210 2. 68 3. 450, -, 160.86
Sundargarh	Scientific method of kharif groundnut cultivation	25	45	78	6.2	9.3	9600	16300	1. 180 2. 200 3. 73.3, 50, 69.8
Sundargarh	Weed management in kharif groundnut	25	23	69	6.2	9.3	9600	16300	1. 180 2. 200 3. 73.3, 50, 69.8
Sundargarh	SRI Method of Rice cultivation	25	18	77	31	48.2	14300	29000	1. 92 2. 16 3. 327.7, 55.4, 100
Sundargarh	Water management in paddy	25	43	82	35	41	14500	17200	1. 400 2. 310 3. 90.6, 17.1, 18.6
Sundargarh	Scientific method of bajra cultivation	25	17	52	8	10.4	3900	5970	1. 35 2. 42 3. 205.8,

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	INM in wheat	25	28	73	29.6	35.4	16020	21350	1. 116 2. 160 3. 160,19.6, 33.27
Sundargarh	Weed management in Maize	25	24	70	30.2	41.2	11700	14300	1. 98 2. 119 3. 191.6, 36.4, 22.22
Sundargarh	INM in mustard	25	31	78	6.6	9.8	8300	13500	1. 150 2. 226 3. 151.6, 48.5, 62.6
Sundargarh	Organic Farming	10	14	67	-	-	-	-	3 378
Sundargarh	Hybrid Maize cultivation	10	24	70	30.2	41.2	11700	14300	1. 98 2. 119 3. 191.6, 36.4, 22.22
Sundargarh	Integrated farming system	10	28	65	-	-	-	-	3. 132.1
Sundargarh	Water management in Sunflower	25	42	85	8.8	10.6	11200	14700	1. 66 2. 85 3. 102.4, 20.4, 31.25
Sundargarh	INM in maize	25	24	70	30.2	41.2	11700	14300	1. 98 2. 119 3. 191.6, 36.4, 22.22
Sundargarh	INM in maize	25	24	70	30.2	41.2	11700	14300	1. 98 2. 119 3. 191.6, 36.4, 22.22
Sundargarh	Integrated farming system	15	28	65	-	-	-	-	3. 132.1
Sundargarh	Market led production strategy	25	40	64	0	0	0	0	60
Sundargarh	Village planning through community participation	25	24	72	0	0	0	0	200
Sundargarh	Leadership development of progressive farmers	25	44	76	0	0	0	0	72.72

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	Village planning through community participation	25	44	78	0	0	0	0	72
Sundargarh	Process documentation	25	21	48	0	0	0	0	128
Sundargarh	ICT in agriculture	25	12	45	0	0	0	0	275
Sundargarh	IPM in cucurbitaceous crop	25	24	56	350	560	86000	170000	1. 72 2. 146 3. 133, 60,97
Sundargarh	Scientific rearing techniques of Apis cerena indica	15	15	65					Results awaiting
Sundargarh	Disease and pest management in paddy nursery	25	43	82	35	41	14500	17200	1. 84 2. 240 3. 90.6, 17.14, 18.62
Sundargarh	IPM in brinjal	25	32	68	190	240	120000	180000	1. 52 2. 76 3. 112.5, 26.31, 50
Sundargarh	Integrated farming system	15	28	65	0	0	0	0	3. 132.1

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities	No. of activities	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST		Extension officials		Purpose	Topics	Crop Stages
				M	F	M	F	M	F			
Sundargarh	Field day	19	19	566	48	267	69	24	16	Highlight of the successful technology	Hybrid paddy, Weed mgt in blackgram, backyard poultry, scientific method of oilseed & pulse production	Peak vegetative and harvesting
Sundargarh	Farmers Seminar	2	2	18	6	22	4	6	2	Bringing together of small groups for focusing on a particular subject	1. Climatic change 2. Crop Diversification	
Sundargarh	Workshop	2	2	52	14	22	12	6	3	Emphasize interaction and exchange of information among participants	Application of New generation pesticides, Vermicomposting	
Sundargarh	Group meetings	18	18	67	24	212	72	7	8	Gathering for technical interaction, improve group cohesion & keep all group members abreast of recent advancement	Cultivation practices of cereals, pulses, oilseed, vegetables & enterprise	
Sundargarh	Lectures delivered as resource persons	0	20	256	112	102	30			Knowledge & skill development	Hybrid maize cultivation, mustard, SRI, hybrid rice, Oyster mushroom cultivation	
Sundargarh	Newspaper coverage	0	6							Publicity	Kisan mela, Special day celebration	
Sundargarh	Radio talks	4	6	Mass	Mass	Mass	Mass			Awareness, information	Apiculture, IFS, hybrid maize cultivation	
Sundargarh	TV talks	6	5	Mass	Mass	Mass	Mass			Awareness, information	Crop seminar	
Sundargarh	Popular articles	4	8							Publicity	Maize cultivation, ICT, agromet advisory	

Name of the KVK	Activity	No. of activities	No. of activities	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST		Extension officials		Purpose	Topics	Crop Stages
				M	F	M	F	M	F			
Sundargarh	Extension Literature		14							Knowledge & skill development	Role of organic agriculture, Use of IT in agriculture, Soil health mgt.	
Sundargarh	Farm advisory Services											
Sundargarh	Scientific visit to farmers field	100	170	778	114	1028	461			Monitoring and evaluation	Cereals, pulses, oilseed vegetables, enterprise	
Sundargarh	Farmers visit to KVK		829	568	78	858	117			Information seeking, problem solving, trainings, capacity development	Crop improvement, crop mgt., IGA, weather information	
Sundargarh	Diagnostic visits	15	40	105	20	142	5			Monitoring and evaluation	Pest & disease incidence,	
Sundargarh	Exposure visits	3	7	79	11	192	68			Learn from experience from others	Brooding of chicks, vermicultrure, paddy straw mushroom in polyhouse	
Sundargarh	Ex-trainees Sammelan	2	2	53		38	9			Emphasize interaction and exchange of information among participants	Mushroom production, backyard poultry production	
Sundargarh	Soil health Camp											
Sundargarh	Animal Health Camp	4	1							To keep animal resources healthy & productive	Periodic health check-up & vaccination	
Sundargarh	Agri mobile clinic											
Sundargarh	Soil test campaigns											
Sundargarh	Farm Science Club conveners meet	2	1	6		35	1			Emphasize interaction and exchange of information among participants	Cooperative marketing	

Name of the KVK	Activity	No. of activities	No. of activities	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST		Extension officials		Purpose	Topics	Crop Stages
				M	F	M	F	M	F			
Sundargarh	Self Help Group conveners meetings	2	2		38		12			To strengthen SHGs & to make them more financially self reliant	Value added products, management & empowerment SHGs	
Sundargarh	Mahila Mandals conveners meetings											
Sundargarh	Celebration of important days	3	3	218	56	278	98	17	6	Encouraging farming community	World food day, Women in agriculture day, Akshya trutiya,	
Sundargarh	Farmer-Scientist Interaction	1	2	37	3	37	23	8	2	Emphasize interaction and information on agri issues	Crop diversification, Agro advisory	
Sundargarh	Kisan gosthi		1	12	3	33	2	2	0	Gathering for technical interaction, improve group cohesion & keep all group members abreast of recent advancement	Marketing	
Sundargarh	farmers fair		2	274	35	315	76	32	7	Emphasize interaction and exchange of information among participants		
Sundargarh	Method demonstration		16	86	32	167	75	8	4	Understanding of process, component of new technology & their mgt.	SRI, Line transplanting, sowing, herbicide application, value addition, vermiculture	
Sundargarh	Film Show		10	112	38	78	22	12	9	Knowledge & skill development of farmers	Vermicompost, SRI, Value addition, Mushroom	
Sundargarh	Exhibition		7							Presentation & display of best technologies	Value addition from agri produce	

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	Quarterly	1500	1500

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-I	Booklet	<i>Panipariba o phalaru prastut mulyajukta khadya padartha</i>	Mr. M.P. Nayak; Mrs. B.L Rout	500
Sundargarh-I	Booklet	<i>Jiyakhata prastuti pranali</i>	Mr M.P. Nayak, Mr. S. Satapathy; Mr. D.J. Bage; Mrs. B.L. Rout	500
Sundargarh-I	Booklet	<i>Dhingri Chatu chasa</i>	Mr. M. P. Nayak; Mrs. B L Rout	500
Sundargarh-I	Booklet	<i>Unnata pranali re maka chasa</i>	Mr. S Satapathy ; Mr. M.P. Nayak; Mr. D. J Bage	500

7.3 Details of Electronic Media Produced

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

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	Cereal	Paddy	Pratikshaya	SD	22.6	Qtl	37192*	
Sundargarh	Pulse	Blackgram	PU30	SD	0.35	Qtl	2000*	
Sundargarh	Mushroom	Mushroom	P sajorcaju	SD	550	Nos	5500	

* Stock in hand

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	
	Vegetables	Tomato	Pre rabi, Pre kharif		0.005	BT 10	Seedling	14075	2048	5630	
		Brinjal	Pre rabi			Bluestar	Seedling				
		Chilli	Pre rabi			Utkal Ava	Seedling				
	Papaya	Papaya	Summer			Selection-1	Seedling	240	1000	2400	

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 Vermi	10 kg	1764	6770	
	BIOFERTILIZERS Vermicompost	3.54			
	BIO PESTICIDES				

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	100		3570	
	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	176	176	9	-

10. Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

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

11. Utilization of Farmers Hostel facilities : Electrification not yet completed.

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)
Sundargarh							
Sundargarh							
Sundargarh							
Sundargarh							
Sundargarh							
Sundargarh							
Sundargarh							
Sundargarh							

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	1	8	In habitable condition

13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Sundargarh	19.10.12	20	<p>KVK to take the support of the staff from the KVK Ring.</p> <p>Azolla to be used as animal feed for increase in milk production.</p> <p>Crop Diversification, Crop Substitution like Maize, groundnut & pulses in rainfed upland situation.</p> <p>Green Manuring & Brown Manuring practices be promoted through mandatory activities.</p> <p>Wide distribution of the KVK Publication to the farmers be made.</p> <p>Strong linkage and collaboration with line departments be established.</p> <p>Need based trials be conducted for reducing the technological gap.</p> <p>KMS to reach at least 1000 farmers.</p> <p>Castor Plantations/OFT & FLD on Castor be conducted.</p> <p>Ensure participation of district administration in SAC meeting to incorporate the recommendation of SAC on policy making.</p> <p>All the OFT/FLDs are to be based on Soil Test results.</p> <p>Fodder Demonstration units be developed.</p> <p>Vegetable seedlings and Mango grafts be produced in the KVK farm.</p> <p>More number of Animal Health Camp should be organised.</p>

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

KVK Name	No. of messages sent	No. of beneficiary		Major recommendations
		Farmers	Ext. Pers.	
Sundargarh	111	644	70	Weather and market based advisory on crop and allied sector

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	Central	6,70,000	FPR on Honey bee, Hybrid paddy, Farmer-Scientist Interaction	Salepali, Bijlikhaman, K.V.K. Campus	
Sundargarh	ISOPOM	Central	1,06,920	FLD on Maize	District	
Sundargarh	STCR	Central	-	STCR Trial (Okra)	Amasaranga, Tumelbud	
Sundargarh	RKVY	Central	75,000	Technical Monitoring	District	
Sundargarh	RKVY	Central	28,00,000	Infrastructure & Electrification	KVK	

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Sundargarh	30773698636	70737	63942	63942

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Sundargarh	Praful Patel	Individual	OUAT	-
Sundargarh	Januram Patel	Individual	OUAT	
Sundargarh	K.V.K.	Institutional	OUAT	

18. Case study and Success Story –

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 period	Own fund, technical & training support from Krishi Vigyan Kendra, Sundargarh		
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.) Export market (details of exports made)	Market access in nearby town of Sundargarh through door step sale 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.		

19. Details of KVK Agro-technological Park

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

20. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Sundargarh	Vice-Chancellor, O.U.A.T	14/7/2012	Special visit
Sundargarh	Dean, Extension Education, OUAT	15.5.2012 and 8.3.2013	Kisan Mela
Sundargarh	Collector & DM, Sundargarh	8.3.2013	Kisan Mela
Sundargarh	Dr. S C Sahoo, Director, IMD, Bhubaneswar	8.3.2013	Kisan Mela
Sundargarh	Chairman, Zilla Parishad	14/7/2012	Special visit

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			
Not installed							

23. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Sundargarh	Gosthies	1	50	
Sundargarh	Lectures organized			
Sundargarh	Exhibition	1	400	
Sundargarh	Film show			
Sundargarh	Fair	1	400	
Sundargarh	Farm Visit	1	400	
Sundargarh	Diagnostic Practical's			
Sundargarh	Distribution of Literature (No.)	1	500	
Sundargarh	Distribution of Seed (q)			
Sundargarh	Distribution of Planting materials (No.)	1	100	Papaya seedlings
Sundargarh	Bio Product distribution (Kg)			
Sundargarh	Bio Fertilizers (q)			
Sundargarh	Distribution of fingerlings (No)			
Sundargarh	Distribution of Livestock specimen (No.)			
Sundargarh	Ex Trainee sammelan	2	50	
Sundargarh	Road Show	1	150	
Sundargarh	Animal Health Camp	1	150	
Sundargarh	Farmer Scientist Interaction	1	50	
Sundargarh	Technical Seminar	1	100	
Sundargarh	Total number of farmers visited the technology week	1	950	

24. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
	Sahabhagi dhan	1ha	10

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		
	Total		

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No. of participants
	Dairy Management	4	58
	Disease management	4	53
	Feed and fodder technology	4	49
	Poultry management	4	21

Animal health camps organised

Name of KVK	Number of camps	No. of animals	No. of farmers
Sundargarh	4	957	181

Seed distribution in drought hit states

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

Seedlings and Saplings distributed

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

Bio-control Agents

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

(e) Bio-Fertilizer

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

(f) Vermis Produced

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

(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: NA

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) –