

ANNUAL PROGRESS REPORT

April 2016 to March 2017

Contents

Sl. No.	Particular	Page No
	Instructions for Filling the Format	
	Summary of KVK Annual Report (Quantifiable Achievement) for the year 2016-17	
1	General Information	
2	On Farm Testing	
3	Achievements of Frontline Demonstrations	
4	Documentation of the need assessment conducted by the KVK for the training programme	
5	Training programmes	
6	Extension Activities	
7	Literature Developed/Published (with full title, author & reference)	
8	Production and supply of Technological products	
9	Activities of Soil and Water Testing Laboratory	
10	Rainwater Harvesting	
11	Utilization of Farmer Hostel facilities	
12	Utilization of Staff Quarter facilities	
13	Details of SAC Meeting	
14	Status of Kisan Mobile Advisory	
15	Status of Convergence with agricultural schemes	
16.	Status of Revolving Funds	
17.	Awards & Recognition	
18.	Details of KVK Agro-technological Park	
19.	Farm Innovators	
20.	KVK interaction with progressive farmers	
21.	Outreach of KVK	
22.	Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize	
23.	KVK Ring	
24.	Important visitors to KVK	
25.	Status of KVK Website	
26.	Status of E-connectivity	
27.	Status of RTI	
28.	Status of Citizen Charter	
29.	Attended HRD activities organized by ZPD	
30.	Attended HRD activities organized by DES	
31.	Attended HRD activities by KVK Staff	
32	Agri Alert report	
33.	Details of Technological Week Celebration	
34.	Interventions on Drought Mitigation	
35.	Proposal of NICRA	
36.	Proposed works under NAIP	
37.	Case study / Success Story to be developed	
38.	Action Photographs	

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. Grey color cells in summary table need not to be filled.**
- 13. Crop name should be spelled correct and standard English name should be used i.e Cereals, Pulses, Oilseed:- Rice (not use Paddy), Wheat, Barley, Kodo, Kutki, Maize, Jwar, Bajra, Pigeon pea (not use Tur, Arhar, Red gram), Blackgram (not use Urd), Greengram (not use Moong/Moongbean), Chickpea (not use Gram, Chana), Field pea, Horse gram (Kulthi), Lentil, Mustard (not use Rai, Sarsoan), Soybean, Linseed, Groundnut, Sesame (not use Til), Niger (not use Ram Til), Safflower (not use Kusum).
Vegetable :- Vegetable pea, Bottle guard, Bitter guard, Okra (not use Bhindi or Ladies finger).
Fruits :- Mango, Guava, Custard apple, Pear etc.
Spices :- Black Peeper, Turmeric, Ginger, Cardamom etc.**

REPORTING PERIOD – April 2016 to March 2017

Summary of KVK Annual Report (Quantifiable Achievement) for the year 2016-17

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
1	On Farm Testing			
	Proposed OFT	10		80
	On Going OFT	1		10
	Technologies assessed (Completed OFT)	9		78
	Technologies refined	0		0
	On farm trials conducted	9		78
2	Frontline demonstrations			
	Proposed Frontline demonstrations	16		450
	On Going Frontline demonstrations	4		40
	FLDs conducted on crops	12		218
	Area under crops (ha.)	70.8		218
	FLD on farm implement and tools	1		50
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	1		20
	FLD on Fisheries - Finger lings	0		0
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)	2		90
	FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)	1		10
3	Training programmes	No. of Course	Duration (days)	Participants
	Farmers	19	19	475
	Farm women	17	17	425
	Rural youth	3	9	45
	Extension personnel/ In service	1	1	15
	Vocational trainings	1	10	10
	Sponsored Training	0	0	0
	Total	41	56	970
		No. of programmes	Participants	
4	Extension Programmes	17		1984
5	Production of technology inputs etc	Qty	Beneficiaries (nos.)	
	Seed (qt.)	0		0
	Planting material produced (nos.)	0		0
6	Livestock	Qty	Beneficiaries (nos.)	
	Livestock strains (Nos)	0		0
	Milk Yield - Cow, Buffelo etc. (in liter)	0		0
	Fish (Kg.)	0	0	
	Fingerlings (nos.)	0	0	
	Poultry-Eggs (nos.)	0	0	
	Ducks (nos.)	0	0	
	Chicks etc. (nos.)	0	0	

7	Bio Products		
	Bio Agents -Earth worm (Kg.)	0	0
	Trichoderma (kg.)	0	0
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	0	0
	Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)	0	0
8	Any other significant achievement in the Zone	Nos.	Participants/ beneficiaries
	Award (Best KVK award and scientist and farmer's award)	0	0
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)	9	4500
	KVK News letter	4	2000
	SAC Meetings conducted	0	30
	Soil sample tested	189	849
	Water sample tested	0	0
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)	0	0
	KVK-KMA (Message and beneficiaries)	101	12467
	Convergence programmes	0	0
	Sponsored programmes	0	0
	KVK Progressive Farmers interaction	2	40
	No. of Technology Week Celebrations	1	187
	Attended HRD activities organized by ZPD	3	3
	Attended HRD activities organized by DES	0	0
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.)	0	0
9	Current status of Revolving Funds (Amt. in Rs.)		
10		No. of blocks	No. of villages
	Outreach of KVK in the District	8	456
11		ICAR	SAU Others
	No. of important visitors to KVK (nos.)		1
12		Working (Yes/No)	No. of Update
	Status of KVK Website	Yes	46
13		Application received	Application disposed
	Status of RTI (nos.)	1	1
14		Query received	Query dissolved
	Citizen Charter (nos.)	0	0
15		Working (Yes/No)	No. of programme viewed
	E-connectivity	--	--
16		Filled	Vacant
	Staff Position	7	9
17	Workshop/ Seminar/ Conference attended by staff of KVK (nos)	3	
18	Publication received from ICAR /other organization (nos.)	1	
19		Particulars	Organization
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)	0	0

GENERAL INFORMATION

1.1. Staff Position (31.03.2017)

Summary of Staff position in KVKs on March, 2017

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Sundargarh-II	16	1	1	6	2	3	2	6	2	16	07

Name of KVK	Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specilization	Pay scale	Present pay	Date of joing	Per./Temp.	Category
Sundargarh-II	Programme Coordinator	Jayanta Kumar Pati	Ag. Extension	M.Sc. (Ag.)	Ag. Extension	15,600-39,100/-	23,950/-	21.02.2005	Permanent	General
Sundargarh-II	Subject Matter Specialist1	Bijaya Laxmi Sahu	Home Science	M.Sc.. (Home Sc.)	Human Development	15,600-39,100/-	23,950/-	17.01.2005	Permanent	General
Sundargarh-II	Subject Matter Specialist2	Sanjay Kumar Pradhan	Horticulture	M.Sc. (Ag.)	Pomology	15,600-39,100/-	20590/-	01.10.2009	Permanent	General
Sundargarh-II	Subject Matter Specialist3	Vacant								
Sundargarh-II	Subject Matter Specialist4	Vacant								
Sundargarh-II	Subject Matter Specialist5	Vacant								
Sundargarh-II	Subject Matter Specialist6	Vacant								
Sundargarh-II	Programme Assistant	Anubha Benedicta Kujur	Seed Science	M.Sc. (Ag.)	Seed Science	9,300-34,800/-	9710/-	31.12.2015	Temporary	
Sundargarh-II	Farm Manager	Vacant								
Sundargarh-II	Computer Programmer	Somadutta Mohanty	Computer Science	M. Tech. (IT)	Information Technology	9,300-34,800/-	15,830/-	14.07.2005	Permanent	General
Sundargarh-II	Accountant / superintendent	Vacant								
Sundargarh-II	Stenographer	Vacant								
Sundargarh-II	Driver	Erastus Ddungdung	Driver	Matric		5,200-20,000/-	5,420/-	20.07.2015	Temporary	

Name of KVK	Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specilization	Pay scale	Present pay	Date of joing	Per./Temp.	Category
Sundargarh-II	Driver	Jitendra Kumar Sethy	Driver	Matric		5,200-20,000/-	5,420/-	27.07.2015	Temporary	OBC
Sundargarh-II	Supporting Staff	Vacant								
Sundargarh-II	Supporting Staff	Vacant								

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

KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Sundargarh-II	North Western Plateau Zone	17	262	1830673	65.22%	1076984	145639	1.55 ha.

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

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Sundargarh-II	Kansar	2012-13	Lathikata	15	1015	157
Sundargarh-II	Nakakhandi	2012-13	Lathikata	30	750	120
Sundargarh-II	Patrapalli	2013-14	Nuagaon	50	1850	315
Sundargarh-II	Khatankudar	2013-14	Bisra	40	515	105
Sundargarh-II	Gudugudsa	2013-14	Nuagaon	50	1600	270

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

KVK Name	THRUST AREA
Sundargarh-II	Yield enhancement of cereals, pulses, fruits, vegetable through improved crop management strategies
Sundargarh-II	Management of Acid soils for higher productivity
Sundargarh-II	Water Management and Soil Conservation
Sundargarh-II	Increase yield by substituting local/ degraded varieties in vegetables
Sundargarh-II	Ameliorate the problem of micro nutrient deficiency in soil
Sundargarh-II	Emphasize on cultivation of lucrative off-season vegetables
Sundargarh-II	Introduce crop diversification in uplands
Sundargarh-II	Emphasize on increasing the acreage of the fruit crops like mango & banana
Sundargarh-II	Varietal substitution of short duration paddy in uplands
Sundargarh-II	Introduce use of organic inputs in vegetables
Sundargarh-II	Drudgery reduction of Farmwomen
Sundargarh-II	Promote nutritional garden in backyard
Sundargarh-II	Promote preservation and value addition through WSHGs

Sundargarh-II	Economic empowerment of women through alternate income generating activities
Sundargarh-II	Integrated Nutrient Management
Sundargarh-II	Integrated Insect Pest Management
Sundargarh-II	Integrated Disease Management

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

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Sundargarh-II	Distress sale of paddy due to absence of exportable quality	PRA, Group Discussion and Response Analysis	Ramjodi, Lathikata
Sundargarh-II	Local variety is susceptible to diseases.	PRA, Group Discussion and Response Analysis	Khuntagaon, Lahunipada
Sundargarh-II	Indiscriminate use of pesticides	PRA, Group Discussion and Response Analysis	Brahmaniogaon, Lahunipada
Sundargarh-II	Wilting in Tomato (67%-88%)	PRA, Group Discussion and Response Analysis	Bangurkela, Bisra
Sundargarh-II	Low yield in chilly (24 q/ha)	PRA, Group Discussion and Response Analysis	Nakakhandi, Lathikata
Sundargarh-II	Less price in on-season due to market glut in cauliflower (Rs.21,400/ha sold @ Rs.400/q)	PRA, Group Discussion and Response Analysis	Sarubahal, Bisra
Sundargarh-II	Low yield in cauliflower (142 q/ha)	PRA, Group Discussion and Response Analysis	Badajajoda, Nuagaon
Sundargarh-II	Low yield in brinjal (145 q/ha)	PRA, Group Discussion and Response Analysis	Sampokhar, Bisra
Sundargarh-II	Low yield in pointed gourd (242 q/ha)	PRA, Group Discussion and Response Analysis	Patharapalli, Nuagaon
Sundargarh-II	Low yield of paddy in upland and under monoculture cropping pattern	PRA, Group Discussion and Response Analysis	Garda, Nuagaon
Sundargarh-II	Low profit from cultivation of traditional old rice varieties susceptible to pest and diseases	PRA, Group Discussion and Response Analysis	Suarpalli, Bisra
Sundargarh-II	Heavy weed infestation with special reference to indiscriminate use of weedicide	PRA, Group Discussion and Response Analysis	Khatankudar, Bisra
Sundargarh-II	High incidence of insect pest results in poor yield of different crops	PRA, Group Discussion and Response Analysis	Ramjodi, Lathikata
Sundargarh-II	Low profit from imbalance fertilizer application without soil testing	PRA, Group Discussion and Response Analysis	Khuntagaon, Lahunipada

Sundargarh-II	Bacterial and fungal wilt in solanaceous vegetables.	PRA, Group Discussion and Response Analysis	Brahmaniogaon, Lahunipada
Sundargarh-II	Low profit from traditional variety of vegetable cultivation	PRA, Group Discussion and Response Analysis	Bangurkela, Bisra
Sundargarh-II	Non utilization of dried out reservoir/ river bed	PRA, Group Discussion and Response Analysis	Jamunanakki, Kuanmunda
Sundargarh-II	Wastage of paddy straw in the field.	PRA, Group Discussion and Response Analysis	Karimati, Nuagaon
Sundargarh-II	Decline of cattle population due to unavailability of fodder and low yield of milk from indigenous milch cow.	PRA, Group Discussion and Response Analysis	Kansar, Lathikata
Sundargarh-II	Poor egg laying capacity and high mortality of indigenous poultry bird.	PRA, Group Discussion and Response Analysis	Birkeri, Lathikata
Sundargarh-II	No value addition of surplus farm produce	PRA, Group Discussion and Response Analysis	Nakakhandi, Lathikata
Sundargarh-II	Lack of awareness of harvesting of paddy straw for mushroom cultivation.	PRA, Group Discussion and Response Analysis	Sarubahal, Bisra
Sundargarh-II	Malnutrition and drudgery of the people.	PRA, Group Discussion and Response Analysis	Badajajoda, Nuagaon
Sundargarh-II	Cultivation of local maize varieties results low production	PRA, Group Discussion and Response Analysis	Sampokhar, Bisra
Sundargarh-II	Unavailability of FYM/ organic inputs	PRA, Group Discussion and Response Analysis	Patharapalli, Nuagaon
Sundargarh-II	Indiscriminate use of pesticides enhances cost and resulting in residue problem.	PRA, Group Discussion and Response Analysis	Garda, Nuagaon
Sundargarh-II	Inadequate pre and post stocking management with improper size and species combination.	PRA, Group Discussion and Response Analysis	Suarpalli, Bisra
Sundargarh-II	Low yield of pulses(green gram and black gram) and oil seed(sunflower, groundnut) because of non-descript cultivars and traditional package of practices	PRA, Group Discussion and Response Analysis	Khatankudar, Bisra
Sundargarh-II	Improper utilization of uplands, hilly terrain and undulated land	PRA, Group Discussion and Response Analysis	Ramjodi, Lathikata
Sundargarh-II	Lack of suitable enterprise for the farm women and low house hold income	Livelihood analysis, SHG meet, group discussion.	Gopapur, Nuagaon

2. On Farm Testing (OFT)

Note-

- Thematic area should be spelled correct and follow standard pattern i.e. Integrated Nutrient Management in place of INM or Inte. Nutrient Mngt. Etc.
- Crop name should be spelled correct and standard English name should be used i.e Chick pea in place of gram/chana , Paddy in place of Rice/chawal , brinjal in place of egg plant/bhata/baigan etc.
- Don't press enter key to navigate among column use arrow or tab key
- don't add space before or after statement within the table cell
- Kindly mention realistic estimated yield of your crop under trail.
- If crop has been not yet harvested, mark it * on that

2.1 Information about OFT

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situations	No. of trials	Results (q/ha)			Net Returns (Rs./ha)			Recommendations
										FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
Sundargarh II	2016	Kharif	Low yield of cowpea due to local varieties	Assessment of different cowpea varieties	Assessment	Varietal Evaluation	Cowpea	Rainfed upland	13	Gayatri-96	Utkal Manika-93	Kashi Kanchan - 110	87,750	81250	104000	Cowpea variety Kashi Kanchan found to be earliest in bearing and it is tolerant to golden mosaic virus.
Sundargarh II	2016	Kharif	Incidence of soil borne	Assessment of suitable soil treating	Assessment	IDM	Vegetable seedling like Tomato	Rainfed upland	13	No treatment-243 seedli	Treatment with Formalin -297	Treatment with Bavistin-364	73/Sqm	89/Sqm	109/Sqm	Bavistin and formalin are suitable soil treating chemicals

			disease in vegetable seedling in late kharif	chemicals for vegetable nursery raising						ng/sqm	seedling s/sqm	seedling s/sqm				for nursery raising of vegetables
Sundargarh II	2016-17	Rabi	Ground contact of Tomato fruit affecting the yield and Fruit quality	Assessment of Different staking method in Tomato	Assessment	ICM	Tomato	Rainfed upland	10	No Staking-271	Single post staking-316	Staking in Trellis-365	26486	37390	52143	Staking in Trellis found to be best for staking of Tomato
Sundargarh II	2016-17	Rabi	Low income due to non adoption of any suitable crop in Rice fallow	Assessment of Chickpea and Field pea in Rice fallow	Assessment	ICM	Rice-Chickpea/ Field pea	Rainfed medium land	5	Rice-32 qt	Rice + Chickpea-11.3 qtl	Rice + Field pea-15.5 qtl	15100	15100+30000=45100	15100+24700=39800	Chickpea is found to be much suitable crop in Rice fallow .
Sundargarh II	2016-17	Rabi	Low yield of chilly due to imbalance application of Nutrients	Assessment of Nutrient Management in Chilli	Assessment	INM	Chilli	Rainfed medium land	5	93	105	114	60000	74950	86790	INM practice along with Biofertilizer found to be much effective for chilli

2.2 Economic Performance

KVK name	OFT Title	Parameters			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Name and unit of Parameter	FP (T ₁)	RP (T ₂) & 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)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)
Sundargarh II	Assessment of different cowpea varieties	No of Fruits per plant	864	837&990	56250	58125	61100	144000	139500	165000	87,750	81250	104000	2.56	2.40	2.70
Sundargarh II	Assessment of suitable soil treating chemicals for vegetable nursery raising	Damping off percentage	27 %	8% and 2%	59/sqm	69/sqm	73/sqm	132/sqm	158/sqm	182/sqm	73/sqm	89/sqm	109/sqm	2.23	2.29	2.49
Sundargarh II	Assessment of Different staking method in Tomato	Weight of fruits per plant	915	1065 & 1250	109014	120610	130357	135500	158000	182500	26486	37390	52143	1.24	1.31	1.40
Sundargarh II	Assessment of Chickpea and Field pea in Rice fallow				29700	29700+26500=56200	29700+25000=54700	44800	101300	92500	15100	45100	37800	1.51	1.81	1.69
Sundargarh II	Assessment of Nutrient Management	Weight of fruits per plant	68g	78 & 89 g	79500	82550	84210	139500	157500	171000	60000	74950	86790	1.75	1.91	2.03

ent in Chilli															
------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

2.3 Information about Home Science OFT: (For All Thematic Area)

KVK Name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/ Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendations
Sundargarh-II	2016	Kharif	Irregular egg laying due to nutritional deficiency	Assessment of Calcium syrup and mineral supplement during egg laying period in backyard poultry	Assessment	Animal Production/ Home Science	\$ml calcium syrup+15gm mineral mixture/day/layer bird	Supplementation of calcium and mineral in the diet helps in egg laying which is otherwise reduced due to poor feeding practices	Homestead	10	Proper feed management helps to check morbidity and egg lay also improves
Sundargarh-II	2016-17	Rabi	Reduction in the productivity of oyster mushroom during low temperature in mid of winter season	Assessment of different strains in Oyster Mushroom	Assessment	Home Science	T1: p. sajorkaju T2: p. pulmonarius (Indian Oyster) T3: Hypsizygus Ulmarious (Blue Star)	When the atmospheric temp reduces below 15degree C , production of the oyster mushroom of varieties Hypsizygus Ulmarious (Blue Star) Is high	Homestead	10	The variety Hypsizygus Ulmarious (Blue Star) yield add size is more compared to other varieties.
Sundargarh-II	2016-17	Rabi	Non availibilty of paddy straw mushroom during winter season but market demand and price is high	Assessment of production of paddy straw mushroom during winter season under low cost poly house	Assessment	Home Science		The temperature inside the poly house (size 20.10.9ft) is around 8-10 degree high .hence paddy straw mushroom can be produced during winterseason	Homestead	2	High price and acceptability of paddy straw mushroom fetches good return to the entrepreneurs
Sundargarh-II	2016-17	Rabi	Selling ofraw tamarind fetches very low price	Assessment of income generation	Assessment	Home Science		Preparation of tamarind sauce increases self life	Homestead	10	Preparation of tamarind sauce increases self life andit has good

				by Value Addition to Tamarind				andit has good acceptability in the market			acceptability in the market
--	--	--	--	-------------------------------	--	--	--	--	--	--	-----------------------------

2.4 (A) Economic Performance Home Science OFT: (For Drudgery Reduction)

KVK name	OFT Title	Performance Indicator / Parameter													
		Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Sundargarh-II															

2.4 (B) Economic Performance Home Science OFT: (For Income Genration)

KVK name	OFT Title	Performance Indicator / Parameter											
		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Sundargarh-II	Assessment of Calcium syrup and mineral supplement during egg laying period in backyard poultry	1080eggs/10birds	1380eggs/10 birds	-	320/unit of 10 birds	5600	6900	1080eggs/10birds	1380eggs/10 birds	5600	6580	1080	2.24
Sundargarh-II	Assessment of different strains in Oyster Mushroom	160kg/ 100beds	120kg/ 100beds	4850/ 100bags	4850/ 100bags	12000	16000	160kg/ 100beds	120kg/ 100beds	7150	11150	4000	2.12
Sundargarh-II	Assessment of production of paddy straw mushroom during winter season under	Oyester mushroom- 1.2kg/bed	Paddy straw mushroom - 820gm/bed	4850/ 100bags	8750/ 100bags	12000	18040	82kg/ 100beds	120kg/ 100beds	7150	9290	2140	2.06

low cost poly house														
---------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--

2.4 (C) Economic Performance Home Science OFT: (For value addition)

KVK name	OFT Title	Performance Indicator / Parameter													
		Composition of product		Input used		outcome (Kg)		Cost of input		Incremental income		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Sundargarh-II	Assessment of Value Addition to Tamarind			Tamarind, Salt	Tamarind, Salt, Sugar, Spices, Preservatives	80kg from 100kg of raw tamarind	60kg from 100kg of raw tamarind	1000	3700	3500	7500	2500	4300	1800	2.02

2.4(D) Economic Performance Home Science OFT: (For Nutritional security)

KVK name	OFT Title	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
		Name of vegetable/Fruit/Product		Per capita Consumption gm/day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		Increase in BMI (%)	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Sundargarh-II																			

2.5 Feedback from KVK to Research System

Name of KVK	Feedback

3. Achievements of Frontline Demonstrations (FLD)

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

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
Sundargarh-II	Ginger	Varietal evaluation	Introduction of High Yielding Ginger	Training, Field Day, visit of extension personnel to the farmers field	2	7	1.5

	Colocasia	Varietal Replacement	Demonstration of Colocasia var. Muktakeshi	Training, Field Day, visit of extension personnel to the farmers field	5	30	12
	Potato	Crop Diversification	Kharif Potato var. Kufri Jyoti	Training, Field Day, visit of extension personnel to the farmers field	5	20	3
	Brinjal	Integrated Weed Management	Application of weedicide Pendimethalin in Brinjal	Training, Field Day, visit of extension personnel to the farmers field	3	8	5
	Tomato	Varietal Substitution	Tomato var. Swarna Sampad	Training, Field Day, visit of extension personnel to the farmers field	10	25	10
	Niger	Varietal Replacement	Demonstration of Niger var. Utkal Niger-150	Training, Field Day, visit of extension personnel to the farmers field	10	30	15
	Blackgram	Varietal Replacement	Demonstration of Blackgram var. Prasad	Training, Field Day, visit of extension personnel to the farmers field	8	20	7
	Pea	TSP	Improvement in NRM and Cropping Intensity in Sundargarh-II District through cultivation of Pea in Rice-Fallow system	Training, Field Day, visit of extension personnel to the farmers field	5	10	10
	Poultry	TSP	Back yard poultry for Economic empowerment of Tribal Women in Sundargarh-II district	Training, Field Day, visit of extension personnel to the farmers field	2	7	1.5
	Mustard	Integrated Crop Management	Cluster Demonstration of Mustard	Training, Field Day, visit of extension personnel to the farmers field	5	30	12
	Green gram	Integrated Crop Management	Cluster Demonstration of Greengram	Training, Field Day, visit of extension personnel to the farmers field	2	7	1.5
	Chickpea	Integrated Crop Management	Cluster Demonstration of Chick pea	Training, Field Day, visit of extension personnel to the farmers field	5	30	12
	Groundnut	Integrated Crop Management	Cluster Demonstration of Groundnut	Training, Field Day, visit of extension personnel to the farmers field	5	20	3
	Mushroom	Income generation	Cultivation of paddy straw mushroom	Training, Field Day, visit of extension personnel to the farmers field	3	8	5
	Par boiling unit	Drudgery reduction	Use of paddy par boiling unit	Training, Field Day, visit of extension personnel to the farmers field	10	25	10

	Gladioli	Income generation	Cultivating Gladioli variety Peter pear, Red beauty	Training, Field Day, visit of extension personnel to the farmers field	10	30	15
	Mahua	Value Addition	Preparation of value added products from Mahua flowers	Training, Field Day, visit of extension personnel to the farmers field	8	20	7
	Mushroom	Income generation	Cultivation of Oyster mushroom	Training, Field Day, visit of extension personnel to the farmers field	5	10	10

Note-

- Thematic area should be spelled correct and follow standard pattern i.e. Integrated Nutrient Management in place of INM or Inte. Nutrient Mngt. Etc.
- *Crop name should be spelled correct and standard English name should be i.e Chick pea in place of gram, Paddy in place of Rice , brinjal in place of egg plant etc.
- *Don't press enter key to navigate among col use arrow or tab key
- *don't add space before or after statement within the table cell
- Kindly mention realistic estimated yield of your crop under Demonstration.
- If crop has been not yet harvested, mark it * on that

3.2 Details of FLDs implemented

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Entreprizes	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
Sundargarh II	2016	Kharif	ICM	Demonstration of Sweet corn	Sweet Corn	Madu-3510	0.8	33 qt Grain	96 qt green cob		8				8
Sundargarh II	2016	Kharif	INM	Nutrient Management in OKra	Okra	Variety- JK 7315	0.4	113.5	132	16.29 %	5				5
Sundargarh II	2016	Kharif	INM	Nutrient Management in Hybrid Paddy	Hybrid Paddy	Dhanya MC-13	0.4	42	50	19.47%	5				5

Sundargarh II	2016-17	Rabi	IWM	Effect of Oxyfluorfen in weed management of Onion	Onion	Agrifound light red	0.4	176	197	12%		5		5
Sundargarh II	2016-17	Rabi	INM	Effect of Boron on the yield and quality of Capsium	Capsium	Soil application of Borax and foliar application @ 2ml/litre after 4 weeks of trnsplnting	0.4	173	198	14.45%		3	2	5
Sundargarh II	2016-17	Rabi	ICM	Demonstration of Potato	Potato	Kufri Jyoti	0.4	208	232	11.53%		5		5
Sundargarh II	2016	Kharif	ICM	Demonstration of Blackgram (Cluster)	Blackgram	PU-35	30	5.2	7.4	42.30%		75		75
Sundargarh II	2016-17	Rabi	ICM	Demonstration of Field pea (Cluster)	Field pea	Adarsh	30	12.3	15.0	22 %	8	65	12	85
Sundargarh II	2016-17	Rabi	ICM	Demonstration of Garden pea (TSP)	Garden Pea	JK-124	8	87	107	23. %		25		25

3.3 Economic Impact of FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Sundargarh II	Demonstration of Sweet corn	Sweet Corn	Weight of cob	200g	250 g	32000	60300	56100	177600	24100	117300	1.76	2.95
Sundargarh II	Nutrient Management in OKra	Okra	Weight of fruits per plant	205g	237 g	82290	89200	170250	198000	87960	102800	2.06	2.22
Sundargarh II	Nutrient Management in Hybrid Paddy	Hybrid Paddy	No of effective tiller	16	20	32940	35550	50400	60000	17460	24450	1.53	1.69
Sundargarh II	Effect of Oxyfluorfen in weed management of Onion	Onion	No of weeds/sqm	21	4	75500	77900	123200	137900	47700	60000	1.64	1.77
Sundargarh II	Effect of Boron on the yield and quality of Capsium	Capsium	Weight of capsicum	100	115	90100	92950	173000	198000	82900	105050	1.92	2.13

Sundargarh II	Demonstration of Potato	Potato	Weight of Tuber	40	50	96950	98000	166400	185600	69450	87600	1.72	1.89
Sundargarh II	Demonstration of Blackgram (Cluster)	Blackgram	No of pods per plant	15	20	19550	23060	41600	59200	22050	36140	2.12	2.56
Sundargarh II	Demonstration of Field pea (Cluster)	Field pea	No of pods per plant	18	22	24600	26500	43050	52500	18450	26000	1.75	1.98
Sundargarh II	Demonstration of Garden pea (TSP)	Garden Pea	No of pods per plant	20	25	80000	85000	130500	160500	50500	75000	1.63	1.89

3.4 Information about Home Science FLDs - (For All Thematic Area)

KVK name	Year	Season	Thematic Area	Problem Identified	Technology to be Demonstrated as Solution to the Identified Problem	Crop/ Enterprise (In which crop Enterprise or Farming Activity)	Name of Variety/Technology/Enterprizes	Farming Situation	Proposed area (ha)	No. of Beneficiaries
Sundargarh II	2016	Kharif	Women empowerment	No subsidiary income of farm women	Use of bed method, spawn and proper hygienic practices	Mushroom	Cultivation technique Paddy straw mushroom	Homestead	2000beds	70
Sundargarh II	2016-17	Rabi	Women empowerment	No subsidiary income of farm women	Use of bed method, spawn and proper hygienic practices	Mushroom	Cultivation technique oyster mushroom	Homestead	1000beds	20
Sundargarh II	2016	Kharif	Women empowerment	High mortality of vegetable seedlings during rainy season	Use of low cost poly house in nursery beds	Vegetables	Demonstration of Raising of seedling in low cost poly house	Homestead	0.001	10
Sundargarh II	2016-17	Rabi	Women empowerment	Spoilage of fruits and low price	Preparation of pickle with use of required spices and preservatives and proper packaging		Value addition in Jack Fruit (Pickles)	Homestead	100kg	10
Sundargarh II	2016-17	Kharif & Rabi	Women empowerment	High price of vegetables unable the tribal families to fulfill daily	Proper layout, good quality planting materials and proper plant protection	Vegetables	Kitchen Gardening	Homestead	0.5	50

				requirement of vegetables in diet and they suffer from various deficiency diseases	measures						
Sundargarh II	2016	Kharif	Women empowerment	Excessive drudgery of tribal women in Mahua seed decortication	Use of Mahua Seed Decorticator	Mahua Seed	Mahua Seed Decorticator	Homestead	5no	50	
Sundargarh II	2016	Kharif	Women empowerment	No subsidiary income of tribal women	Broiler farm units with breed White leghorn, with proper feeding and disease management	Poultry birds	Broiler Farming	Homestead	200birds	20	

3.5 (A) Economic Performance Home Science FLD: (For Drudgery Reduction)

KVK name	OFT Title	Performance Indicator / Parameter													
		Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Sundargarh-II	Use of Mahua Seed Decorticator	4.7	8.5	17.4	12.8	103	114		186						

3.5 (B) Economic Performance Home Science FLD: (For Income Generation)

KVK name	OFT Title	Performance Indicator / Parameter											
		Production per unit		Cost of input		Incremental income		Yield		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Sundargarh-II	Demonstration of Raising of seedling in low cost poly house	1500	4500	280	475	430	1825	1500(no/10sq m)	4500(no/10sq m)	150	1350	1100	1.87
Sundargarh-	Broiler farming	-	170kg	-	12500		20400	-	170kg of	-	7900	7900	1.63

II			of body weight from 100 birds							body weight from 100 birds				
----	--	--	-------------------------------	--	--	--	--	--	--	----------------------------	--	--	--	--

3.5 (C) Economic Performance Home Science FLD: (For value addition)

KVK name	OFT Title	Performance Indicator / Parameter													
		Composition of product		Input used		outcome (Kg)		Cost of input		Incremental income		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
	Demonstration of Value addition in Jackfruit	Raw jack fruit	Pickle (Fruit+spices & oil + preservatives)	Raw jack fruit	(Fruit + spices & oil + preservatives and packaging material)	10kg	80kg/100kg of raw fruit	10000/100kg	5600/100kg	25000/100kg	10,000/100kg	1500	4600	3100	1.73

3.5 (D) Economic Performance Home Science FLD: (For Nutritional security)

KVK name	OFT Title	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
		Name of vegetable/Fruit/Product		Per capita Consumption gm/day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		Increase in BMI (%)	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3.6 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Sundargarh-II	Paddy	Field day	1	50	
Sundargarh-II	Black gram	Field day	1	50	
Sundargarh-II	Garden pea	Field day	1	50	
Sundargarh-II	Field pea	Field day	1	50	

3.7 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Sundargarh-II	Adoption of sweet corn in place of Maize	Demonstration of Sweet corn	The farmer got a very good return, The cost benefit ratio is around 3	Farmers are interested to increase their acreage with sweet corn
Sundargarh-II	Demonstration of Raising of seedling in low cost poly house	Demonstration of Raising of seedling in low cost poly house	The farmwomen could raise quality planting material with only 5% mortality	The farmwomen are interested to raise it next year also

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
KVK Sundargarh-II	

4. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	Patrapalli	17
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	11.4.2016Khatankudar	18
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	22.5.2016 Gutidarah	15
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	24.6.2016Baghbudi	15
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	3.7.2016 Guduguda	14
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	23.7 2016Chikitia	20
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	12.8. 2016Jhirpani	15
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	23.9 2016Nuniapalli	22
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	15.9. 1016 Kundrughutu	15
Sundargarh-II	FW	PRA, Focus group discussion observation, Response Analysis	22.102016 Lacchada	20
Sundargarh-II	RY	PRA, Focus group discussion observation, Response Analysis	22.11.2016Ghodabandh	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							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Sundargarh-II	FW	OFC	HOV	Cultivation technique of sweet corn	1	1					25			
Sundargarh-II	FW	OFC	HOV	Cultivation technique of cowpea	1	1					25			
Sundargarh-II	FW	OFC	SFM	Nutrient management in cucurbits	1	1	15		9		1			
Sundargarh-II	FW	OFC	HOV	Off season vegetable cultivation	1	1					25			
Sundargarh-II	FW	OFC	HOV	Cultivation technique of Kharif tomato	1	1			1		24			
Sundargarh-II	FW	OFC	SFM	Nutrient management in Solanaceous vegetables	1	1					21	4		
Sundargarh-II	FW	OFC	SFM	Production of Organic inputs	1	1					16	9		
Sundargarh-II	FW		HOV	Cultivation technique of Okra	1	1	7				18			
Sundargarh-II	FW	OFC	PLP	Pest management in solanaceous vegetables	1	1					12	13		
Sundargarh-II	FW	OFC	PLP	Disease and pest management of Tomato	1	1					25			
Sundargarh-II	FW	OFC	ICM	Use of mulches in Horticulture crops	1	1					19	6		
Sundargarh-II	FW	OFC	ICM	Staking in vegetables	1	1					17	8		
Sundargarh-II	FW	OFC	HOV	Cultivation technique of Garden pea	1	1								
Sundargarh-II	RY	OFC	HOV	Planning and lay out of Orchards	1	3	2				13			
Sundargarh-II	IS	OFC	HOV	Nursery raising technique of	1	1	6		3				6	

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
				vegetable										
Sundargarh II	FW	OFC	CBD	Livelihood options for SHG groups	01	01					16	9		
Sundargarh II	FW	OFC	CBD	Entrepreneurship Development	01	01					15	10		
Sundargarh II	FW	OFC	WOE	Cultivation practice of oyster mushroom	01	01						25		
Sundargarh II	FW	OFC	WOE	Selection of Suitable varieties for Kitchen Gardening	02	01						50		
Sundargarh II	FW	OFC	WOE	Management of Small Ruminants	01	01						25		
Sundargarh II	FW	OFC	WOE	Safe storage of grain	01	01						25		
Sundargarh-II	FW	OFC	WOE	Mushroom cultivation for livelihood security	01	01						25		
Sundargarh-II	FW	OFC	WOE	Use drudgery reduction implements	01	01						25		
Sundargarh-II	FW	OFC	WOE	Care and management of milch animals	01	01						25		
Sundargarh-II	FW	OFC	WOE	Floriculture for farm women	01	01						25		
Sundargarh-II	FW	OFC	WOE	Backyard poultry rearing	01	01						25		
Sundargarh-II	FW	OFC	WOE	Plant protection for nutritional garden	01	01						25		
Sundargarh-II	FW	OFC	WOE	House hold food security for farm families	01	01						25		
Sundargarh-II	FW	OFC	WOE	Planning & layout of kitchen garden	01	01						25		
Sundargarh-II	FW	OFC	WOE	Nursery raising techniques of vegetables	01	01						25		
Sundargarh II	RY	OFC	WOE	Preservation of seasonal vegetables	01	03						15		
Sundargarh II	RY	OFC	WOE	Floriculture for Farm Women	01	03						15		
Sundargarh-II	IS	OFC	WOE	Agro Based Entrepreneurship for SHGs	01	01						15		
Sundargarh-II	FW	OFC	OTH	Post harvest storage of pulses.	02	01					12	38		

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Sundargarh-II	FW	OFC	PLP	Seed treatment in paddy.	03	01					39	36		
Sundargarh-II	FW	OFC	PLP	Storage grain pest management of pulses.	01	01					10	15		
Sundargarh-II	FW	OFC	WOE	Safe household storage practices of food grains.	02	01						50		
Sundargarh-II	FW	OFC	PLP	Seed treatment of pulses.	01	01				5		20		
Sundargarh-II	FW	OFC	OTH	Post harvest storage of paddy.	01	01					16	9		
Sundargarh-II	FW	OFC	PLP	Safe storage practices of paddy.	01	01					14	11		
Sundargarh-II	FW	OFC	PLP	Management of common grain pest of household storage.	01	01				6		19		

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

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries								
					Gen		SC		ST		Others		
					M	F	M	F	M	F	M	F	
Sundargarh-II	Preparation of value added products from fruits and vegetables	Value addition	Value addition	10				1		5			4

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	
Sundargarh-II	Commercial mushroom cultivation	Home scale	3	7	-

Table 5.4. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		

Table 5.5 Training Programmes for Panchayatiraj Institutions Office-bearers & members

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		

Table 5.6 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	
Sundargarh-II	Mushroom cultivation for livelihood security	25	42	67	0.8 kg./bed	1.2 kg./bed	8,000	16,000/-	45 numbers adopted & % change in production-50%
Sundargarh-II	Backyard poultry rearing	125	36	75	13 kg./10 birds	2.25kg./ 10 birds	900	1550/-	% change in production-73%
Sundargarh-II	Preservation of seasonal fruits & vegetables	50	30	65	7-10 kg./ household	25-30 kg./ household	750/-	1,200/-	150 numbers adopted
Sundargarh-II	Cultivation technique of colocasia	25	10	40	198	236	1,03,500	1,37,800	Knowledge gain % - 60, Skill gain % - 40, Adoption Rate% - 15
Sundargarh-II	Cultivation technique of Turmeric	25	15	45	80	94.5	2,14,300	2,46,900	Knowledge gain % - 50, Skill gain % - 30, Adoption Rate% - 10
Sundargarh-II	Cultivation technique of Kharif Radish	25	12	42	95	115	80,000	1,10,000	Knowledge gain % - 50, Skill gain % - 30, Adoption Rate% - 10

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

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
Sundargarh-II	Field Day	08	04	33	74	45	45	2	01		Ginger, Potato, Tomato, Mustard, Blackgram, Green gram, Pea	
Sundargarh-II	Kisan Mela											
Sundargarh-II	Kisan Ghosti	01	1	38	24	23	15					
Sundargarh-II	Exhibition	04	5									
Sundargarh-II	Film Show											
Sundargarh-II	Method Demonstrations	06	8	02	01	03	02					
Sundargarh-II	Farmers Seminar											
Sundargarh-II	Workshop											
Sundargarh-II	Group meetings	25	24	97	103	103	47					
Sundargarh-II	Lectures delivered as resource persons	05	05									
Sundargarh-II	Newspaper coverage	10	12									
Sundargarh-II	Radio talks	6	6									
Sundargarh-II	TV talks											
Sundargarh-II	Popular articles	06	06									
Sundargarh-II	Extension Literature	10	09									
Sundargarh-II	Farm advisory Services											
Sundargarh-II	Scientific visit to farmers field	100	80	20	22	25	13					
Sundargarh-II	Farmers visit to KVK	100	103	16	13	38	21	15		informatio n	Ifs, Floriculture, Animal Husbandry, Mushroom cultivation	
Sundargarh-II	Diagnostic visits	30	27	7	5	8	7					
Sundargarh-II	Exposure visits											
Sundargarh-II	Ex-trainees Sammelan											
Sundargarh-II	Soil health Camp											
Sundargarh-II	Animal Health Camp	2	2			45	42					
Sundargarh-II	Agri mobile clinic											

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
Sundargarh-II	Soil test campaigns	01	01	108	102	55	35	05	02			
Sundargarh-II	Farm Science Club conveners meet											
Sundargarh-II	Self Help Group conveners meetings	2	2		28		122		7			
Sundargarh-II	Mahila Mandals conveners meetings											
Sundargarh-II	Celebration of important days (World environment day)	4	4	125	105	146	174	10	5	World Food day, Women in ag. Day Yay Vigyan Jay Kissan Diwas, Soil day		

7. Literature Developed/Published (with full title, author & reference)

7.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
KVK Sundargarh-II	31.12.12	quarterly	500 each	350

7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Sundargarh-II	Leaflet	Madhura maka chasa	Jayanta ku. Pati, Bijaylaxmi Sahu, Sanjay Ku. Pradhan, Anubha Kujur	500
	Leaflet	Byabasayika Genduphula chasa	Jayanta ku. Pati, Bijaylaxmi Sahu, Sanjay Ku. Pradhan, Anubha Kujur	500
	Leaflet	Ausadhiya Brukhsya ebam ehara upakarita	Jayanta ku. Pati, Bijaylaxmi Sahu, Sanjay Ku. Pradhan, Anubha Kujur	500
	Leaflet	Mati Parikhsya	Jayanta ku. Pati, Bijaylaxmi Sahu, Sanjay Ku. Pradhan, Anubha Kujur	500
	Leaflet	Mahumachhi palana	Jayanta ku. Pati, Bijaylaxmi Sahu, Sanjay Ku. Pradhan, Anubha Kujur	500
	Leaflet	Videshagata panipariba	Jayanta ku. Pati, Bijaylaxmi Sahu, Sanjay Ku. Pradhan, Anubha Kujur	500
	Leaflet	Lakha Chasa	Jayanta ku. Pati, Bijaylaxmi Sahu, Sanjay Ku.	500

			Pradhan, Anubha Kujur	
	Leaflet	Unnata Pranalire Matara Chasa	Jayanta ku. Pati, Bijaylaxmi Sahu, Sanjay Ku. Pradhan, Anubha Kujur	500
	Booklet	Barsha dinia muga biri chasa	Jayanta ku. Pati, Bijaylaxmi Sahu, Sanjay Ku. Pradhan, Anubha Kujur	500

7.3 Details of Electronic Media Produced

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

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Major group/class	Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)

8.2 Planting Material production

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

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.) * Name of product should follow same pattern and spelled correct

KVK Name	Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (In Kg)	Qty (In No)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)

	Bio Agents						
	Bio Agents						
	Bio Fertilizer						
	Bio Fertilizer						

8.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Breed	Type of Produce	Qty. (kg/qt./litre)	Value (Rs.)	No. of Beneficiaries

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed so far :

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Soil report distributed to the farmers (Nos)
Sundargarh-II	Running	2015	Mridaparikhsyak	189	849	7	no	849

9.2 Details of water samples analyzed so far :

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Water report distributed to the farmers (Nos)

10. Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

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

11. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)	Accommodation available (No. of beds)

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
	-	-	-	-	-

13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
KVK Sundargarh-II	29.12.2016	30	

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

KVK Name	No. of messages sent	No. of beneficiary		Sponsoring agency (NIC, Farmers Portal, etc.)	Major recommendations
		Farmers	Ext. Pers.		
Sundargarh-II	101	12467	356	Farmer Portal	

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

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received

18. Details of KVK Agro-technological Park .

a) Have you prepared layout plan, where sent?

S.No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent ? (ZPD/DES/any other, pl. sp.)

b) Details about Technology Park

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

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria

19. Farm Innovators- list of 10 Farm Innovators from the District

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	Sundargarh-II	Yogesh Patel	Device for mulching of seedlings	Rourkela, Mob no9090301010

20. KVK interaction with progressive farmers

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1	20.6.2016	28
2	22.8.2016	12

21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
	Bisra	Gurundia	Khatankudar	Baghbudi
	Nuagaon	Bonai	Guduguda	Jhirpani
	Lathikata		Patrapalli,Chikitia	Nuniapalli

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, Awareness programmes etc.

22. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

Sr. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt

23. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.

24. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Sundargarh-II	Registrar	23.11.2016		OUAT		Visited and interacted with farmers of adopted villages

25. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
	Kvksundargarh2.org	01.04.2014	45	5623

26. E-CONNECTIVITY

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No. of lectors organized by KVK	Brief achievements	Remarks
	Date	No. of Staff attended	No. of call received from Hub	No. of Call mate to Hub by KVK			

27. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks

28. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks

29. Attended HRD Programmes organized by ZPD

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
	Workshop for Agriculture for Nutrition	Scientist	1	
	Review workshop for Horticulture	Scientist	1	
	Total			

Name of KVK	Total Number of staff Attended HRD Programme organized by ZPD (nos)	Total Number of Programme attended (Nos)
	4	4

30. Attended HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks

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

31. Attended HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Remarks

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)

32. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)

Name of KVK	Alert observed	Particulars	Reported to organization

33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
	SHG convention	1	50	Agro entrepreneurship
	Animal health camp	2	87	livestock
	Awareness campaign	1	50	Horticulture

34. 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

Name of KVK	Crops	Area (ha)	Number of beneficiaries

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No. of participants

Animal health camps organized

Name of KVK	Number of camps	No.of animals	No.of farmers
	2	482	87

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

Bio-Fertilizer

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

Vermis Produced

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

Large scale adoption of resource conservation technologies

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

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

35. Proposal of NICRA

1. Technologies to be Demonstrated

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

2. Proposed Extension Activities in NICRA Village

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

3. Proposed Training Activities in NICRA Village

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

4. Proposed Activities for Fodder Bank

Established (Years)	Capacity	Current Status

5. Proposed Activities for Seed Bank

Established (Years)	Capacity	Current Status

6. Public Representative/District Administration Visited in NICRA Village

Name of Representative/Officer	Designation	Date of Visit	Any Special Remark by Visitors

--	--	--	--

7. Feedback of Farmers for future improvement, if any.

36. Proposed works under NAIP (in NAIP monitoring format)

37. Case study / Success Story to be developed – Two best only in the following format

Kharif Onion – A new hope for farmers

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

VK, **TITLE, Introduction**, KVK intervention, Output, Outcome, Impact

Kitchen Gardening for Tribal Families

- Village Baghbudi is a tribal pocket in Lathikatablock of Sundargarh district where people are involved in subsistence farming and collection of NTFPs which is a seasonal employment.
- It was found that the backyard space of the house holds and the leisure time of the family was under utilized.
- KVK, Rourkela initiated Tribal Sub Plan to help the tribal women to raise kitchen garden in their backyard space with own family resources.
- Each family with 5-6 members were asked to raise kitchen garden in the area of 100 m² with different fruits, vegetables and greens.
- The KVK provided all inputs and guided them throughout the year.
- Community nursery was raised by involving WSHGs to supply quality seedlings to all households.
- As a result the women could produce 2.5 - 3.5 kg. of vegetables per day with net worth of Rs. 1,015/- per season (B:C ratio 2.82) which was sufficient for family requirement and supplemented family income.
- This created awareness among the tribal families about the importance of utilizing back yard space to convert into useful kitchen garden.

A New Introduction of HYV Ragi

- In 2015 Ragi variety Bhairavi (Breeder Seed) were procured from OUAT.
- Four Blocks of Panposh DAO circle were chosen for seed production programme with joint collaboration of ATMA, Sundargarh.
- 5.0 hactre each in blocks of Kuanmunda, Bisra, Nuagaon and Lathikata were executed (Total 20.0 ha.).
- 13.12 Qtl of foundation seed to be procured.
- In 2016 horizontal spread of 131.2 ha from which 280 qtl seed procured.
- In the coming year all the 17 blocks in Sundargarh will have Ragi cultivation programme through ATMA, Sundargarh in the kharif season.

We sincerely acknowledge the motivation and guidance from our Collector and D.M., Sundargarh to conduct those programme

Case Study Report on Women Empowerment

Title: - Sweet Corn Cultivation- A Profitable Enterprise in Peri Urban Area.

Background:

maize is considered to be a major cereal after paddy in the bisra block of sundargrah district. But the farmer does not find it much profitable as the market price is minimum. Considering the fact, KVK introduced sweet corn in khatankudar village of bisra block. The villagers were supplied with the sweet corn seed var. Madhu-3510.

Site characterization:

The village is 6 km away from block head quarter Bisra. The soil is mostly acidic in nature. Average maximum temperature is 43⁰ C and minimum temperature is 15⁰C. Latitude is 22⁰17'02.6" longitude is 084⁰59'41.9". Irrigation facility is available in this village.

Technology Description:

Seed rate-8kg/ha, seed treatment with bavistin, line sowing at the spacing 0f 60x30 cm, Nutrition with 80-40-40 kg NPK along with compost, Water management at critical stages of crop growth, Plant protection measures for blight and cob borer.

Original cost of technology – Rs. 55,000 per ha

Operational cost of technology – Rs. 5500 per unit

Expected production – 96 qt.

Specific target groups- tribal beneficiaries

Methodology:

By KVK – as it was an adopted village of KVK for last 3 years. KVK found it much easier to execute the demonstration programme. Though sweet corn was a newest crop for them, KVK motivated them to go for this crop as the cultivation method is quite similar with normal corn. The selected beneficiaries were supplied with the sweet corn seeds. A training was conducted on sweet corn cultivation in the village in which they were suggested about seed sowing, spacing, nutrient management, weed management & plant protection etc. Regular diagnostic visit in a specified interval was done by KVK personals.

Field performance:

Employment generated – 150 man days.

No. of beneficiaries covered- 10

Performance was better in normal monsoon condition. Problem is solved up to certain extent as they got a good price of sweet corn in the market.

Outcome - Yield is 96 quintal

Income generation - Net income -1,17,000 with B:C ratio- 2.95

Employment - 150 man days.

Shift – Sweet corn replaced by normal maize.

No change in fertilizer application.

No specific change in time utilization patterns of farmer.

Sr. no.	Name of KVK	No. of success stories	No. of case studies

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

