

ANNUAL PROGRESS REPORT

April 2015 to March 2016

KRISHI VIGYAN KENDRA JHARSUGUDA

**ORISSA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY
BHUBANESWAR**

Contents

Sl. No.	Particular	Page No
	Summary of KVK Annual Report (Quantifiable Achievement) for the year 2015-16	3
1	General Information	5
2	On Farm Testing	12
3	Achievements of Frontline Demonstrations	16
4	Documentation of the need assessment conducted by the KVK for the training programme	22
5	Training programmes	23
6	Extension Activities	32
7	Literature Developed/Published (with full title, author & reference)	34
8	Production and supply of Technological products	34
9	Activities of Soil and Water Testing Laboratory	35
10	Rainwater Harvesting	36
11	Utilization of Farmer Hostel facilities	36
12	Utilization of Staff Quarter facilities	36
13	Details of SAC Meeting	37
14	Status of Kisan Mobile Advisory	38
15	Status of Convergence with agricultural schemes	39
16.	Status of Revolving Funds	39
17.	Awards & Recognition	39
18.	Details of KVK Agro-technological Park	39
19.	Farm Innovators	40
20.	KVK interaction with progressive farmers	40
21.	Outreach of KVK	40
22.	Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize	41
23.	KVK Ring	41
24.	Important visitors to KVK	41
25.	Status of KVK Website	43
26.	Status of E-connectivity	43
27.	Status of RTI	43
28.	Status of Citizen Charter	43
29.	Attended HRD activities organized by ZPD	43
30.	Attended HRD activities organized by DES	43
31.	Attended HRD activities by KVK Staff	43
32	Agri Alert report	44
33.	Details of Technological Week Celebration	44
34.	Interventions on Drought Mitigation	45
35.	Proposal of NICRA	46
36.	Proposed works under NAIP	48
37.	Case study / Success Story to be developed	48
38.	Action Photographs	50

REPORTING PERIOD – April 2015 to March 2016

Summary of KVK Annual Report (Quantifiable Achievement) for the year 2015-16

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
1	On Farm Testing			
	Proposed OFT	10	146	
	On Going OFT	3	23	
	Technologies assessed (Completed OFT)	7	75	
	Technologies refined	--	--	
	On farm trials conducted	10	98	
2	Frontline demonstrations			
	Proposed Frontline demonstrations	16	160	
	On Going Frontline demonstrations	1	50	
	FLDs conducted on crops	9	118	
	Area under crops (ha.)	30.2	118	
	FLD on farm implement and tools	--	--	
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	--	--	
	FLD on Fisheries - Finger lings	--	--	
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)	--	--	
	FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)	--	--	
3	Training programmes	No. of Course	Duration (days)	Participants
	Farmers	24	24	600
	Farm women	--	--	--
	Rural youth	7	8	105
	Extension personnel/ In service	6	6	60
	Vocational trainings	4	20	40
	Sponsored Training	2	32	60
	Total	43	90	865
		No. of programmes	Participants	
4	Extension Programmes	587	1727	
5	Production of technology inputs etc	Qty	Beneficiaries (nos.)	
	Seed (qt.)	4.43	8	
	Planting material produced (nos.)	192868	51	
6	Livestock	Qty	Beneficiaries (nos.)	
	Livestock strains (Nos)			
	Milk Yield - Cow, Buffelo etc. (in liter)			
	Fish (Kg.)			
	Fingerlings (nos.)			
	Poultry-Eggs (nos.)			
	Ducks (nos.)			
	Chicks etc. (nos.)	500	10	

7	Bio Products	Qty	Beneficiaries (nos.)
	Bio Agents -Earth worm (Kg.)	1	2
	Mushroom Spawn (No.)	243	20
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	--	--
	Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)	--	--
8	Any other significant achievement in the Zone	Nos.	Participants/ beneficiaries
	Award (Best KVK award and scientist and farmer's award)	1	1
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)	2	1000
	KVK News letter	4	2000
	SAC Meetings conducted	2	60
	Soil sample tested	1350	1000
	Water sample tested	--	--
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)	--	--
	KVK-KMA (Message and beneficiaries)	44	5080
	Convergence programmes	4	285
	Sponsored programmes	2	60
	KVK Progressive Farmers interaction	--	--
	No. of Technology Week Celebrations	1	175
	Attended HRD activities organized by ZPD	1	1
	Attended HRD activities organized by DES	2	2
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.)	--	--
9	Current status of Revolving Funds (Amt. in Rs.)	259192	
10		No. of blocks	No. of villages
	Outreach of KVK in the District	5	17
11		ICAR	SAU Others
	No. of important visitors to KVK (nos.)	4	10 9
12		Working (Yes/No)	No. of Update
	Status of KVK Website	Yes	52
13		Application received	Application disposed
	Status of RTI (nos.)	--	--
14		Query received	Query dissolved
	Citizen Charter (nos.)	--	--
15		Working (Yes/No)	No. of programme viewed
	E-connectivity	--	--
16		Filled	Vacant
	Staff Position (Four Scientist & One P.A post vacant)	10	6
17	Workshop/ Seminar/ Conference attended by staff of KVK (nos)	4	
18	Publication received from ICAR /other organization (nos.)	2	
19		Particulars	Organization
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)	--	--

GENERAL INFORMATION

1.1. Staff Position (31.03.2016)

Summary of Staff position in KVKs on March, 2016

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Jharsuguda	16	1	1	6	2	3	2	6	5	16	10

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)
Jharsuguda	Sr. Scientist & Head	Dr. Biswa Ranjan Pattanaik	Extension Education	Ph.D	Agril. Extension	15600-39100	17800	31.08.2012	Permanent	Others
Jharsuguda	Scientist	Sri M.K. Barik	Extension Education	M.Sc (Ag..)	Agril. Extension	15600-39100	21390	07.12.2006	Permanent	OBC
Jharsuguda	Scientist	Sri Prabhanjan Mishra	Horticulture	M.Sc (Ag..)	Horticulture	15600-39100	16920	19.11.2014	Permanent	Other
Jharsuguda	Scientist	Vacant	Animal Science	--	--	--	--	--	--	--
Jharsuguda	Scientist	Vacant	Home Science	--	--	--	--	--	--	--
Jharsuguda	Scientist	Vacant	Plant Protection	--	--	--	--	--	--	--
Jharsuguda	Scientist	Vacant	Agronomy	--	--	--	--	--	--	--
Jharsuguda	Programme Assistant	Vacant	--	--	--	--	--	--	--	--
Jharsuguda	Farm Manager	Ms. Madhuri Toppo	--	B.Sc (Ag)	--	9300-34800	9710	16.12.2015	Permanent	ST
Jharsuguda	Computer Programmer	Sri Bishnu Ranjan Padhi	Computer Sc.	B.E	Computer Sc.	9300-34800	14670	--	Permanent	Others
Jharsuguda	Accountant / superintendent	Vacant	--	--	--	--	--	--	--	--
Jharsuguda	Stenographer	Sri Pradip Ku. Nayak	--	BA	Stenography	5200-20200	7270	23.12.2013	Permanent	Others
Jharsuguda	Driver	Sri Sanjay Ku. Panda	--	HSC	Driving	5200-20200	6860	07.11.2015	Permanent	Others
Jharsuguda	Driver	Sri Samanta Mallick	--	--	Driving	5200-20200	5200	28.07.2015	Permanent	SC
Jharsuguda	Supporting staff	Kamala Nag	--	7 th	--	4440-7440	5380	29.07.2008	Permanent	SC

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)
Jharsuguda	Supporting staff	Akshya Ku. Swain	--	7 th	--	4440-7440	5380	01.07.2014	Permanent	Others

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
Jharsuguda	Western Central Table Land Zone and North Western Plateau Zone	5	78	579505	78.36	104620 (SC) 176758 (ST)	32716	1.0 ha

a. ADMINISTRATIVE UNITS

Sub-Division	1	Jharsuguda
Tahasils	5	Jharsuguda, Lakhanpur, Laikera, Kolabira & Kirmira
Blocks	5	Jharsuguda, Kirmira, Kolabira, Laikera, Lakhanpur
Urban Local Bodies	3	Jharsuguda, Brajarajnagar & Belpahar
I.C.D.S	7 (Rural-5) (Urban-2)	Jharsuguda, Brajarajnagar
GPs	78	Jharsuguda-17, Lakhanpur-33, Kirmira-8, Kolabira-9, Laikera-11)
Revenue villages	352	
Police Stations	10	Jharsuguda, Badmal, Kolabira, Laikera, Brajarajnagar, Orient, Belpahar, Banharpali, Lakhanpur & Rengali)

b. District Information

Formation of the District	01.01.1994
Area (in Sq. kms)	2114 Sq. Kms
Total Population - (2011 Census)	579505
Male	296690
Female	282815
Population Growth (%)	13.69
Population Density/Km ²	274
Male Literacy	86.61
Female Literacy	70.73
Normal rainfall (mm)	1362.8
Normal Rainy days	66.2
Gross Cropped area (000' ha)	87

FARM FAMILIES	:	46,540
Small farmers	:	19,695 (42%)
Marginal farmers	:	17,189 (44%)
Big farmers	:	9,685 (14%)
Agriculture labourers	:	46,507

c. Agricultural Land Use pattern of Jharsuguda District

Geographical Area	208100 ha
Forest Area (000' ha)	20
Misc. Tree & grooves (000' ha)	6
Permanent pasture (000' ha)	20
Cultivable waste (000' ha)	15
Land put to non-agricultural use (000' ha)	39
Barren & un cultivable land (000' ha)	17
Current fallow (000' ha)	27
Other fallow (000' ha)	3
Net Sown Area (000' ha)	61

d. Other Agricultural information of Jharsuguda District

Total Cultivated Area (000' ha)	90
Kharif paddy Coverage (000' ha)	40
Gross Cropped area (000' ha)	80.98
Cropping Intensity (000' ha)	133
Total Irrigated Area (Kharif) (000' ha)	20.205
Total Irrigated Area (Rabi) (000' ha)	10.364

Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

S. No	Agro-climatic Zone	Characteristics
1.	Western Central Table Land Zone	Geographical area 1521 sq km, 300 m high from MSL, Soil is red & calcareous, Temperature ranges from 12.4 °C to 40 °C , Average annual rain fall 1362 mm
2.	North Western Plateau Zone	Geographical area 560 sq km, 300 m high from MSL, Soil is acidic, Temperature ranges from 15 °C to 38 °C , Average annual rain fall 1368 mm

Soil type/s

The soil is mostly lateritic. Red and Yellow soils are found in small patches of Kolabira block only. Soil reaction is generally acidic in Jharsuguda, Lakhanpur and Kirimira and almost neutral in Laikera and Kolabira block.

Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise		
1.	Agricultural crops	-	Paddy, Maize, Bengal gram, Black gram , Greengram, Sesamum, Groundnut, Mustard & Sunflower
2.	Vegetables	-	Tomato, brinjal, cauliflower ,cabbage, cowpea, radish, okra, chili, bean, drumstick, ginger
4.	Fruit crops	-	Mango, lemon, banana, guava,. Jack fruit, papaya,Pomegranate,Litchi,
5.	Livestock	-	Cattle,bufallow, goat, poultry, sheep,pig
6.	Fishery	-	Fresh water pisciculture.

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)
Jharsuguda	Rengali	2016	Laikera	50	450	110
Jharsuguda	Tileimal	2016	Jharsuguda	42	680	120
Jharsuguda	Bhaunra	2014	Kirmira	60	1021	261
Jharsuguda	Kadabahal	2016	Kirmira	32	800	96
jharsuguda	Ghantamal	2016	Kolabira	40	630	150

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

KVK Name	THRUST AREA
Jharsuguda	Crop diversification and varietal replacement
Jharsuguda	Integrated Nutrient Management
Jharsuguda	Off-season vegetable cultivation
Jharsuguda	Production of quality seeds, seedlings and planting materials
Jharsuguda	IPM, IDM& Weed management in crops.
Jharsuguda	Market led production strategies
Jharsuguda	Women empowerment through Income Generating Activities
Jharsuguda	Promoting Nutritional and Kitchen gardening
Jharsuguda	Breed upgradation of farm animals and poultry
Jharsuguda	Production of organic inputs
Jharsuguda	Nursery raising and management
Jharsuguda	Cultivation of High value & commercial crops
Jharsuguda	Promoting Indigenous Technology
Jharsuguda	Post harvest technology and value addition
Jharsuguda	Dairy and livestock management
Jharsuguda	Drudgery reduction for farm women
Jharsuguda	Group formation and management of groups
Jharsuguda	Integrated fish farming
Jharsuguda	Fry and fingerling rearing
Jharsuguda	Resources conservation through farm mechanization

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

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Jharsuguda	Low yield due to mono cropping and degenerated varieties	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bhaunra Banjari, Amati, Lahandabud, Pramanpur , BLOCK-All blocks
Jharsuguda	Lack of knowledge on balanced fertilizer use	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bhaunra Banjari, Amati, Lahandabud, Pramanpur , BLOCK-All blocks
Jharsuguda	Low yield due to poor quality seeds and seedlings	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bhaunra Banjari, Amati, Lahandabud, Pramanpur , BLOCK-All blocks
Jharsuguda	Low yield due to disease, pest and weed problem	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bhaunra Banjari, Amati, Lahandabud, Pramanpur , BLOCK-All blocks
Jharsuguda	Low income due to traditional production strategies	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bhaunra Banjari, Amati, Lahandabud, Pramanpur , BLOCK-All blocks
Jharsuguda	Lack of skill on income generating activities	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bhaunra Banjari, Amati, Lahandabud, Pramanpur , BLOCK-All blocks
Jharsuguda	Soil health degradation due to imbalance use of chemical fertiliser	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bhaunra Banjari, Amati, Lahandabud, Pramanpur , BLOCK-All blocks
Jharsuguda	Low yield due to traditional method of cultivation	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bhaunra Banjari, Amati, Lahandabud, Pramanpur , BLOCK-All blocks
Jharsuguda	Low income due to traditional crops	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bhaunra Banjari, Amati, Lahandabud, Pramanpur , BLOCK-All blocks
Jharsuguda	Degradation of Ecology	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bhaunra Banjari, Amati, Lahandabud, Pramanpur , BLOCK-All blocks
Jharsuguda	Distress sale of produce due to unregulated marketing and lack of storage facilities	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bhaunra Banjari, Amati, Lahandabud, Pramanpur , BLOCK-All blocks
Jharsuguda	High mortality due to disease attack	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bhaunra Banjari, Amati, Lahandabud, Pramanpur , BLOCK-All blocks
Jharsuguda	Low efficiency due to drudgery	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bhaunra Banjari, Lahandabud, Pramanpur , BLOCK-All blocks
Jharsuguda	Low return due to fish farming only	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bhaunra Banjari, Pramanpur. BLOCK-Lakhanapur, Jharsuguda, Laikera
Jharsuguda	Non availability of fingerlings	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bhaunra Banjari, Pramanpur. BLOCK-Lakhanapur, Jharsuguda, Laikera

2. On Farm Testing

2.1 Information about OFT

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farmin g Situations	No. of trials	Results (q/ha)			Net Returns (Rs./ha)			Recommendations
										FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
Jharsuguda	2015	Kharif	Low yield of Brinjal due to imbalance application of Nutrients.	Assessment of nutrient management in Brinjal.	Assessment	Nutrient Management	Crop	Rainfed, Upland	13	280	340	--	145000	203000	--	Nutrient management in brinjal gave 21 % more yield
Jharsuguda	2015	Kharif	Low yield and poor oil content due to deficiency of Sulphur in soil	Assessment of Sulphur application in Groundnut.	Assessment	Nutrient Management	Crop	Rainfed, Upland	13	10.5	14.2	--	29400	45700	--	Sulphur application in Groundnut accepted as it gives 35% more yield
Jharsuguda	2015-16	Rabi	Low yield of Cauliflower due to imbalance application of nutrients	Assessment of Boron application in Cauliflower.	Assessment	Nutrient Management	Crop	Rainfed, Upland	13	220	260	--	130000	160000	--	18.18 % more yield as compared to farmers practice
Jharsuguda	2015-16	Rabi	Moderate yield and poor keeping quality of vegetables due to non application of Bio-fertilizer	Assessment of Bio-fertilizer application in Tomato.	Assessment	Nutrient Management	Crop	Rainfed, Medium Land	13	280	320	--	140000	175000	--	Gives 14 % more yield and have good keeping quality.
Jharsuguda	2015	Kharif	Low yield of local cultivar.	Assessment of tissue culture banana varieties:T1-Champa ,T2-Grand Naine, T3-Dwarf Cavendish (Common OFT)	Assessment	Varietal comparison	Crop	Micro Irrigated	5	418	750.0	694	185740	537698	470498	G.Naine-79 % and DC-66% more yield as compared to Champa variety .

Jharsuguda	2015-16	Rabi	Growers not getting price for banana	Assessment of Low Cost Ripening process of Banana	Assessment	Post harvest Management	Crop	Irrigated	13								Continuing
Jharsuguda	2015	Kharif	Recommendation of Horticulture Dept. for developing multi-purpose plantation to get rid from labour problem	Assessment of Tissue Culture Pomegrannate	Assessment	Production Technology	Crop	Irrigated	13								Continuing
Jharsuguda	2015-16	Rabi	Lack of knowledge on Kharif practice.	Assessment of Cultivation of Late Kharif Onion	Assessment	Varietal Substitution	Crop	Irrigated	13	273.0	315.0	357.0	79750	113350	146950	Bhima Sweta-15 % and Bhima Sakti-30 % more yield than Local onion & have more market value	
Jharsuguda	2015	Kharif/Rabi	Interference of different mediaries may decrease the profit of farm produce	Analyzing various steps and channels involved in marketing of vegetables from farm to plate.	Assessment	ICT	--	--	05								Continuing
Jharsuguda	2015	Kharif/Rabi	Non availability of technical knowledge in critical time	Study on ICT tools – Mobile messaging, social media (Whats app) in dissemination of agriculture message.	Assessment	ICT	--	--	05								Continuing

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)	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)
Jharsuguda	Assessment of nutrient management in Brinjal.	Fruit wt. in gm.	190	240	135000	137000	--	280000	340000	--	145000	203000	--	2.07	2.48	--
Jharsuguda	Assessment of Sulphur application in Groundnut.	% of Oil content	43	47	23100	25300	--	52500	71000	--	29400	45700	--	2.27	2.80	--
Jharsuguda	Assessment of Boron application in Cauliflower.	Avg. Curd wt. in gm.	650	750	90000	100000	--	220000	360000	--	130000	160000	--	2.44	2.6	--
Jharsuguda	Assessment of Bio-fertilizer application in Tomato.	No. of fruits per plant	22	30	140000	145000	--	280000	320000	--	140000	175000	--	2.0	2.20	--
Jharsuguda	Assessment of tissue culture banana varieties: T1-Champa, T2-Grand Naine, T3-Dwarf Cavendish (Common OFT)	Avg. No. of hand per bunch	7	10	315860	362302	362302	501600	900000	832800	185740	537698	470498	1.6	2.5	2.3
Jharsuguda	Assessment of Low Cost Ripening process of Banana	Continuing	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Jharsuguda	Assessment of Tissue Culture Pomegranate	Continuing	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Jharsuguda	Assessment of Cultivation of Late Kharif Onion	Avg. No. of stems per plant	5	6	138650	138650	138650	218400	252000	285600	79750	113350	146950	1.5	1.8	2.0
Jharsuguda	Analyzing various steps and channels involved in marketing of vegetables from farm to plate.	Continuing	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Jharsuguda	Study on ICT tools – Mobile messaging, social media (Whats app) in dissemination of agriculture message.	Continuing	--	--	--	--	--	--	--	--	--	--	--	--	--	--

2.3 Information about Home Science OFT:

KVK Name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendations

2.4 Economic Performance Home Science OFT:

KVK name	OFT Title	Performance Indicator / Parameter																					
		Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

2.5 Feedback from KVK to Research System

Name of KVK	Feedback

Achievements of Frontline Demonstrations

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

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

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
Jharsuguda	Groundnut	Weed Management	Weed control by Oxyfluorofen	Demonstrations, Trainings and literature.	44	722	158
Jharsuguda	Paddy	Varietal substitution	Demonstration of paddy var. Sahabhagi	Demonstrations, Trainings and literature.	25	556	56
Jharsuguda	Groundnut	Oilseed production	Package and practices of Groundnut with HYV seeds	Demonstrations Trainings and literature.	10	62	15
Jharsuguda	Sesamum	Oilseed production	Package and practices of Sesamum with HYV seeds	Demonstrations Trainings and literature.	16	86	20
Jharsuguda	Greengram	Oilseed production	Package and practices of Greengram with HYV seeds	Demonstrations Trainings and literature.	08	40	12
Jharsuguda	Maize	Nutrient management	Demonstration of micro nutrient application in Maize	Demonstrations Trainings and literature.	12	198	24
Jharsuguda	Paddy	Nutrient Management	Demonstration on Integrated Nutrient Management in Paddy	Demonstrations Trainings and literature	26	202	72
Jharsuguda	Maize	Nutrient Management	Demonstration on application of Zinc Sulphate in Hybrid Maize	Demonstrations Trainings and literature	24	75	20
Jharsuguda	Brinjal	Varietal substitution	Cultivation of Brinjal variety Utkala Keshari	Demonstrations, Trainings and literature.	12	75	8
Jharsuguda	chilli	Varietal substitution	Cultivation of chilli variety –Utkala ava	Demonstrations, Trainings and literature.	11	96	12
Jharsuguda	Potato	Varietal substitution	Cultivation of Potato variety Kufri Surya	Demonstrations, Trainings and literature	6	35	6
Jharsuguda	Banana	Varietal substitution	Cultivation of Tissue culture Banana variety- DC	Demonstrations, Trainings and literature	6	28	7

Jharsuguda	tomato	Varietal substitution	Cultivation of tomato var-Utkal raja	Demonstrations, Trainings and literature.	14	103	16
Jharsuguda	Marigold	Floriculture	Cultivation of African Marigold	Demonstrations, Trainings and literature.	5	16	6
Jharsuguda	Mushroom	Income generation activities	Cultivation of paddy straw and Oyster mushroom.	Demonstrations, Trainings and literature.	18	42	510 beds
Jharsuguda	Vermi-composting	Income generation activities	Demonstration on vermi-composting in thermoresistant polytank.	Demonstrations, Trainings and literature.	17	42	90 pits
Jharsuguda	pisciculture	Fish farming	Mixed culture of carp	Demonstrations, Trainings and literature.	8	28	16
Jharsuguda	pisciculture	Fish farming	Pond based fish farming	Demonstrations, Trainings and literature.	9	31	18
Jharsuguda	pisciculture	Fish farming	Yearling culture in fish pond	Demonstrations, Trainings and literature.	6	10	5
Jharsuguda	Poultry	Backyard Poultry	Improved backyard poultry rearing – Banaraja	Demonstrations, Trainings and literature	24	220	2540
Jharsuguda	pisciculture	Fish farming	Demonstration on mixed culture of fresh water prawn along with carp	Demonstrations, Trainings and literature	7	12	6
Jharsuguda	pisciculture	Fish farming	Culture and breeding of live bearer.	Demonstrations, Trainings and literature	4	6	4
Jharsuguda	pisciculture	Oilseed production	Oilseed production- Sesamum variety- Binayak	Demonstrations, Trainings and literature	8	42	14
Jharsuguda	pisciculture	Pulse Production	Pulse production- Greengram var-IPM-02-14	Demonstrations, Trainings and literature	6	26	08

3.2 Details of FLDs implemented

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Techn ology/Entrepr izes	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T ₁)	RP (T ₂)		SC	ST	Other s	General	Tota l
Jharsuguda	2015	Kharif,	Integrated Nutrient Management	Demonstration on Integrated Nutrient Management in Paddy.	Rice	Pratikshya	1.0	42.0	50	19	--	--	10	--	10
Jharsuguda	2015	Kharif,	Integrated Nutrient Management	Demonstration on application of Zinc Sulphate in Hybrid Maize	Maize	30 R77	1.0	32.0	42.0	31	1	--	9	--	10
Jharsuguda	2015-16	Rabi,	Integrated Nutrient Management	Demonstration of Boron application in Cabbage	Cabbage	Green Express, Zenith	1.0	240	290	21	--	--	10	--	10
Jharsuguda	2015	Kharif-	Varietal Substitution	Demonstration of HYV Ginger Var. Suprava	Ginger	Suprava	0.4	185.0	221	16	2	3	3	--	08
Jharsuguda	2015-16	Rabi	Varietal Substitution	Demonstration of Potao var-Kufri Surya	Potato	Kufri Surya	0.4	250.2	304.0	18	1	2	3	--	6
Jharsuguda	2015-16	Rabi	Nutrient Management	Demonstration of INM in tomato along with stacking and mulching	Tomato	Swarna Sampad	0.4	373	733	49.1		2	2		4
Jharsuguda	2015	Kharif	Oilseed production	Demonstration on Improved method of sesamum cultivation with improved variety	Sesamum	Prachi	5.0	6.4	8.32	29	8	--	--	2	10
Jharsuguda	2015-16	Summe r-	Oilseed production	Demonstration on Improved method of groundnut cultivation with improved variety	Groundnut	Devi	5.0	Awaited	--	--	--	--	--	--	50
Jharsuguda	2015-16	Rabi	Varietal substitution	Demonstration of yield performance of African Marigold	Marigold	African Marigold	1.0	150	188	20	--	5	5	--	10

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)
Jharsuguda	Demonstration on Integrated Nutrient Management in Paddy.	Rice	No. of average effective Tiller	20	24	37000	40000	50400	60000	13400	20000	1.36	1.5
Jharsuguda	Demonstration on application of Zinc Sulphate in Hybrid Maize	Maize	Cob wt. in gm.	150	205	48000	55000	96000	126000	48000	71000	2.0	2.29
Jharsuguda	Demonstration of Boron application in Cabbage	Cabbage	Avg. Head wt. in gm	750	850	94000	104000	240000	290000	146000	186000	2.55	2.78
Jharsuguda	Demonstration of HYV Ginger Var. Suprava	Ginger	Avg culmp length in cm	13	16	268260	290760	610500	729300	342240	438540	2.2	2.5
Jharsuguda	Demonstration of Potao var-Kufri Surya	Potato	Avg. no.Tuber per plant	5	7	110300	118550	225180	273780	114880	155230	2.0	2.3
Jharsuguda	Demonstration of INM in tomato along with stacking and mulching	Tomato	Fruit wt. in gm	46	62	130100	224000	298400	586400	168300	362400	2.3	2.6
Jharsuguda	Demonstration on Improved method of sesamum cultivation with improved variety	Sesamum	No. of pods per plant	12	18	18200	20200	44800	58100	26600	37900	2.46	2.87
Jharsuguda	Demonstration on Improved method of groundnut cultivation with improved variety	Groundnut	No. of Pods per Plant	Awaited	--	--	--	--	--	--	--	--	--
Jharsuguda	Demonstration of yield performance of African Marigold	Marigold	No. of flower per plant	34	42	167790	167790	405000	507600	237210	339810	2.4	3.0

3.4 Information about Home Science FLDs

KVK name	Year	Season	Thematic Area	Problem Identified	Technology to be Demonstrated as Solution to the Identified Problem	Crop/ Enterprise (In which crop Enterprise or Farming Activity)	Name of Variety/Technology/Entreprizes	Farming Situation	Proposed area (ha)	No. of Beneficiaries

3.5 Economic Performance Home Science FLDs:

KVK name	Technology to be Demonstrated	Performance Indicator / Parameter																					
		Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

3.6 Training and Extension activities under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Jharsuguda	Rice	Training	1	25	
Jharsuguda	Maize	Training	1	25	
Jharsuguda	Cabbage	Training	1	25	
Jharsuguda	Ginger	Training	1	25	

Jharsuguda	Potato	Training	1	25	
Jharsuguda	Tomato	Training	1	25	
Jharsuguda	Sesamum	Field Day	1	50	
Jharsuguda	Groundnut	Training	1	25	
Jharsuguda	Marigold	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.
1	Jharsuguda	Maize	30R77	Firm	10	1.0

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
Jharsuguda	Demonstration on Integrated Nutrient Management in Paddy.	Group discussion, Farmers interaction, questioner	Understand the benefits of nutrient management	Accepted by the farmers for future adoption
Jharsuguda	Demonstration on application of Zinc Sulphate in Hybrid Maize	Group discussion Farmers interaction, questioner	Understand the benefits of micro nutrient	Accepted by the farmers for future
Jharsuguda	Demonstration of Boron application in Cabbage	Group discussion, Farmers interaction, questioner	Understand the benefits of micro nutrient	Accepted by the farmers for future
Jharsuguda	Demonstration of HYV Ginger Var. Suprava	Group discussion, Farmers interaction, questioner	Yielded more in comparison to local variety	Accepted by the farmers for future adoption

Jharsuguda	Demonstration of Potao var-Kufri Surya	Group discussion, Farmers interaction, questioner	Yielded more in comparison to local variety	Accepted by the farmers for future adoption
Jharsuguda	Demonstration of INM in tomato along with stacking and mulching	Group discussion, Farmers interaction, questioner	Understand the benefits of nutrient management	Accepted by the farmers for future
Jharsuguda	Demonstration on Improved method of sesamum cultivation with improved variety	Group discussion, Farmers interaction, questioner	Know the improved package and practices of sesamum cultivation	Accepted by the farmers for future adoption
Jharsuguda	Demonstration on Improved method of groundnut cultivation with improved variety	Group discussion, Farmers interaction, questioner	Know the improved package and practices of Groundnut cultivation	Accepted by the farmers for future adoption
Jharsuguda	Demonstration of yield performance of African Marigold	Group discussion, Farmers interaction, questioner	Yielded more in comparison to local variety.	Accepted by the farmers for future adoption

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested

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
Jharsuguda	Farmer and Farm woman	PRA tools and Group Discussion – Need assessment of farmers and farmer women was done through PRA tools ,interaction with farmers in meeting and group discussion,	15.05.2014, (Bhaunra) 16.05.2014 udrajore), 22.05.2014 (Parmanpur),24.05.2014(Lahandabud)	152
Jharsuguda	Rural Youth	PRA tools and Group Discussion – Need assessment of rural youth was done through using PRA tools ,interaction with rural youth in meeting and group discussion.	15.05.2014, (Bhaunra) 16.05.2014 udrajore), 22.05.2014 (Parmanpur),24.05.2014(Lahandabud)	108
Jharsuguda	Extension Personnels	Group discussion and interaction with the extension functionaries of line department in the workshop and meeting.	20.12.2014, 26.02.2015, 16.10.2014, 10.03.2015,26.07.2014 (Dept. of State Agriculture, Horticulture, Fishery and allied sector, Jharsuguda	26

5. TRAINING PROGRAMMES

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

Table 5.1. Details of Training programmes conducted by the KVKs

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Jharsuguda	FW	OFC	SFM	Application of Nutrient management in Brinjal	1	1	--	--	1	1	4	9	4	6
Jharsuguda	FW	OFC	SFM	Boron application in Groundnut	1	1	--	--	--	1	--	--	14	10
Jharsuguda	FW	OFC	SFM	Bio-fertilizer application in Tomato	1	1	--	--	5		5		5	10
Jharsuguda	FW	OFC	SFM	Nutrient Management in Hybrid Paddy	1	1	--	2	--	--	2	12	9	--
Jharsuguda	FW	OFC	SFM	Zinc application in Hybrid Maize	1	1	14	10	--	1	--	--	--	--
Jharsuguda	FW	OFC	SFM	Nutrient Management in Mustard	1	1	--	--	--	--	--	--	11	14
Jharsuguda	FW	OFC	SFM	Methods and Principles of soil sampling for soil testing	1	1	--	--	--	--	19	2	3	1
Jharsuguda	FW	OFC	SFM	Organic waste recycling for production of Vermicompost	1	1	--	--	--	--	--	--	11	14
Jharsuguda	FW	OFC	HOS	Scientific method of cultivation of Kharif	1	1	2	11	1	2	--	8	--	1

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
				Onion & establishment of Low cost Onion storage structure.										
Jharsuguda	FW	OFC	HOP	Canopy Management in high density plantation	1	1	--	--	--	--	11	--	14	--
Jharsuguda	FW	OFC	HOF	Post Harvest Management of Mango & Banana	1	1	--	12	--	3	--	10	--	--
Jharsuguda	FW	OFC	HOT	Scientific Method of Cultivation of Sweet Potato	1	1	--	--	--	--	3	--	22	--
Jharsuguda	FW	OFC	HOP	Establishment and layout planning of Citrus, Sweet Orange, Pomegranate, Litchi, Guava, Mango Orchard	1	1	1	--	--	--	14	--	10	--
Jharsuguda	FW	OFC	HOF	Nutrient, sucker & Water management of tissue culture banana	1	1	--	2	--	--	11	6	3	3
Jharsuguda	FW	OFC	HOV	Post harvest management of Vegetables	1	1	1	5	2	1	6	5	--	5
Jharsuguda	FW	OFC	HOT	Scientific method of Cultivation of Potato	1	1	--	--	--	--	13	9	3	--
Jharsuguda	FW	OFC	HOV	Trellis system of pointed gourd & Spine Gourd Cultivation	1	1	14	--	--	--	11	--	--	--

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Jharsuguda	FW	OFC	HOV	Integrated nutrient management of tomato	1	1	13	--	--	--	11	--	1	--
Jharsuguda	FW	OFC	CBD	Income generation activities	1	1	10	6	--	--	4	5	--	--
Jharsuguda	FW	OFC	CBD	Group dynamics	1	1								
Jharsuguda	FW	OFC	CBD	Formation and Management of SHGs	1	1	7	6	6	--	4	2	--	--
Jharsuguda	FW	OFC	CBD	Mobilization of social capital	1	1	10	8	--	1	6	--	--	--
Jharsuguda	FW	OFC	CBD	Market led production strategies	1	1	21	0	--	--	4	--	--	--
Jharsuguda	FW	ONC	HOS	Scientific method of cultivation of Ginger	1	1		10		3	2	9	1	
Jharsuguda	RY	OFC	SFM	Organic Farming	1	1	--	--	--	--	--	--	13	2
Jharsuguda	RY	ONC	HOO	Scientific Cultivation of Rose, Gerbera, Marigold for income generation	1	1	1		3		9		2	
Jharsuguda	RY	ONC	HOV	Scientific techniques of vegetable seedling raising	1	1	--	-	4	--	11	--	--	--
Jharsuguda	RY	ONC	RY	Others(Bee-keeping,)	1	1	8	1	--	--	6	--	--	--
Jharsuguda	RY	ONC	RY	Others(Integrated farming)	1	1	2	6	--	--	3	4	--	--
Jharsuguda	RY	ONC	RY	Others(IGA)	1	1	2	10	--	2	1	--	--	--

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Jharsuguda	RY	ONC	RY	Others(Market led production)	1	2	10	--	1	--	4	--	--	--
Jharsuguda	IS	ONC	HOP	Reproductive flush management of mango in Off year	1	1	--	--	3	4		1	1	1
Jharsuguda	IS	ONC	HOV	Precision farming in Horticulture	1	1	2	1		2		1	1	3
Jharsuguda	IS	ONC	IS	Capacity building for ICT application	1	1	4	4	--	--	1	1	--	--
Jharsuguda	IS	ONC	IS	Entrepreneurship development	1	1	3	4	--	2	--	1	--	--
Jharsuguda	IS	ONC	IS	Market led production strategy	1	1	4	4	--	--	1	1	--	--
Jharsuguda	IS	ONC	IS	Integrated Farming system	1	1	3	5	--	--	--	2	--	--

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
Jharsuguda	Organic Farming	Crop	SFM	5	--	--	02	--	8	--
Jharsuguda	Vermi-composting	Enterprise	SFM	5	--	--	02	--	--	08
Jharsuguda	Seed Production techniques of Solanaceous vegetable crop	Solanaceous vegetable	HOT	5	--	--	06	--	4	--
Jharsuguda	Italian Bee Keeping	Enterprise	CBD	5	--	--	3	--	7	--

Table 5.3. Details of training programme conducted for livelihood security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Jharsuguda					

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		
Jharsuguda	Skill development Training programme on Mushromm production and value addition	IGA		RY	30 days	1	--	--	8	--	--	--	17	5	Odisha Watershed development Agency	439500
Jharsuguda	Soil sample collection and Testing	SFM		RY	2 Days	1	--	--	6	8	1	3	5	7	ATMA Jharsuguda	24000

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-21.42 & Income
			Before	After	Before	After	Before	After	
Jharsuguda	Application of Nutrient management in Brinjal	25	3	5	280	340	145000	203000	1. Area expanded (ha)- 8.0 2. No. of farmers adopted (no.)-17 3.% change in knowledge-66, production-21.42 & Income-40
Jharsuguda	Boron application in Groundnut	25	4	6	10.5	14.2	29400	45700	1. Area expanded (ha)- 5.0 2. No. of farmers adopted (no.)-18 3.% change in knowledge-50., production-35.23 & Income-55.44
Jharsuguda	Bio-fertilizer application in Tomato	25	3	5	280	320	140000	175000	1. Area expanded (ha)-4.0 2. No. of farmers adopted (no.)-22 3.% change in knowledge-66, production-14.28 & Income-25
Jharsuguda	Nutrient Management in Hybrid Paddy	25	4	7	42	50	13400	20000	1. Area expanded (ha)-22.0 2. No. of farmers adopted (no.)-16 3.% change in knowledge-75, production-19.04 & Income-49.25
Jharsuguda	Zinc application in Hybrid Maize	25	3	5	32	42	48000	71000	1. Area expanded (ha)-15.0 2. No. of farmers adopted (no.)-21 3.% change in knowledge-66, production-31.25 & Income-47.91
Jharsuguda	Nutrient Management in Mustard	25	3	5	6.2	9.5	21000	32000	1. Area expanded (ha)-7.0 2. No. of farmers adopted (no.)-21 3.% change in knowledge-66, production & Income-52.38
Jharsuguda	Methods and Principles of soil sampling for soil testing	25	2	5	--	--	--	--	1. Area expanded (ha)- 6.0 2. No. of farmers adopted (no.)-18 3.% change in knowledge-66.0, production & Income
Jharsuguda	Organic waste recycling for production of Vermicompost	25	3	5	--	5q/pit	--	5000	1. Area expanded (ha)- 8 villages 2. No. of farmers adopted (no.)-20 3.% change in knowledge-66.0, production & Income

Jharsuguda	Scientific method of cultivation of Kharif Onion & establishment of Low cost Onion storage structure.	25	3	5	273	357	79750	146950	1. Area expanded (ha)-8.0 2. No. of farmers adopted (no.)-22 3.% change in knowledge-66, production-30.76 & Income-83
Jharsuguda	Canopy Management in high density plantation	25	3	5	--	--	--	--	1. Area expanded (ha)- 4.0 2. No. of farmers adopted (no.)-25 3.% change in knowledge-66, production & Income
Jharsuguda	Post Harvest Management of Mango & Banana	25	3	5	418	694	185740	470498	1. Area expanded (ha)- 7.0 2. No. of farmers adopted (no.)-24 3.% change in knowledge-66, production-66.02 & Income-153
Jharsuguda	Scientific Method of Cultivation of Sweet Potato	25	2	5	94.0	132	61200	98500	1. Area expanded (ha)- 4.0 2. No. of farmers adopted (no.)-20 3.% change in knowledge-150, production-40.42 & Income-60.94
Jharsuguda	Establishment and lay out planning of Citrus, Sweet Orange, Pome grannate, Litchi, Guava, Mango Orchard	25	3	5	--	--	--	--	1. Area expanded (ha)-12.0 2. No. of farmers adopted (no.)18 3.% change in knowledge-66, production & Income
Jharsuguda	Nutrient, sucker & Water management of tissue culture banana	2	4	38	407	683	182000	468555	1. Area expanded (ha)-6.0 2. No. of farmers adopted (no.)-16 3.% change in knowledge-100, production-67.81 & Income-158
Jharsuguda	Post harvest management of Vegetables	3	6	48	--	--	--	--	1. Area expanded (ha) 2. No. of farmers adopted (no.)-21 3.% change in knowledge-100, production & Income
Jharsuguda	Scientific method of Cultivation of Potato	2	5	44	250	304	114500	184300	1. Area expanded (ha)-12.0 2. No. of farmers adopted (no.)-22 3.% change in knowledge150, production-21.6 & Income-61.40

Jharsuguda	Trellis system of pointed gourd & Spine Gourd Cultivation	3	6	36	108.4	123.0	81200	98300	1. Area expanded (ha)- 4.5 2. No. of farmers adopted (no.)-20 3.% change in knowledge-100, production-13.88 & Income-21
Jharsuguda	Integrated nutrient management of tomato	4	7	34	280	320	168500	362400	1. Area expanded (ha)-8.0 2. No. of farmers adopted (no.)-23 3.% change in knowledge-75, production-14.28 & Income-115
Jharsuguda	Group dynamics	2	6	35	--	--	--	--	1. Area expanded (ha) 2. No. of farmers adopted (no.)-21 3.% change in knowledge-75, production & Income
Jharsuguda	Formation and Management of SHGs	4	7	48	--	--	--	--	1. Area expanded (ha) 2. No. of farmers adopted (no.)-24 3.% change in knowledge-75, production & Income
Jharsuguda	Mobilization of social capital	4	6	48	--	--	--	--	1. Area expanded (ha) 2. No. of farmers adopted (no.)-20 3.% change in knowledge-50, production & Income
Jharsuguda	Scientific method of cultivation of Ginger	4	6	40	185	221.0	342600	438200	1. Area expanded (ha)-5.0 2. No. of farmers adopted (no.)-18 3.% change in knowledge-50 , production-19.45 & Income-28.0
Jharsuguda	Organic Farming	3	6	42	--	--	--	--	1. Area expanded (ha)-6.0 2. No. of farmers adopted (no.)-12 3.% change in knowledge-100, production & Income
Jharsuguda	Scientific Cultivation of Rose, Gerbera, Marigold for income generation	2	5	48	--	--	--	--	1. Area expanded (ha)-5.0 2. No. of farmers adopted (no.)-14 3.% change in knowledge150, production & Income
Jharsuguda	Others(Integrated farming)	2	5	36	--	--	135200	284600	1. Area expanded (ha)-8.0 2. No. of farmers adopted (no.)-14 3.% change in knowledg150, production & Income-110
Jharsuguda	Others(Market led production)	3	6	38	--	--	--	--	1. Area expanded (ha) 2. No. of farmers adopted (no.)-12 3.% change in knowledge-100, production & Income

Jharsuguda	Reproductive flush management of mango in Off year	2	4	36	--	--	--	--	1. Area expanded (ha) 2. No. of farmers adopted (no.)-10 3.% change in knowledge-100, production & Income
Jharsuguda	Precision farming in Horticulture	2	4	28	--	--	--	--	1. Area expanded (ha) 2. No. of farmers adopted (no.)-9 3.% change in knowledge-100, production & Income
Jharsuguda	Capacity building for ICT application	3	6	34	--	--	--	--	1. Area expanded (ha) 2. No. of farmers adopted (no.)8 3.% change in knowledge-100, production & Income
Jharsuguda	Entrepreneurship development	3	7	45	--	--	--	--	1. Area expanded (ha) 2. No. of farmers adopted (no.)-9 3.% change in knowledge123, production & Income
Jharsuguda	Market led production strategy	2	5	42	--	--	--	--	1. Area expanded (ha) 2. No. of farmers adopted (no.)-10 3.% change in knowledge-150, production & Income
Jharsuguda	Integrated Farming system	2	5	38	--	--	--	--	1. Area expanded (ha) 2. No. of farmers adopted (no.)-9 3.% change in knowledge-150, production & Income

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				
				M	F	M	F	M	F	Purpose	Topic s	Crop Stage s
Jharsuguda	Field Day	4	4	125	87	48	40	6	3		Sesamum,ground nut,Ginger,Marig old,potato	Harve st stage
Jharsuguda	Kisan Mela	2	2	--	--	--	--	--	--			
Jharsuguda	Kisan Ghosthi	2	2	14	--	10	--	--	--			
Jharsuguda	Exhibition	3	3	1000	--	--	--	--	--	Mass awareness		
Jharsuguda	Film Show	11	11	550	--	--	--	--	--	Mass awareness		
Jharsuguda	Group meetings	8	8	108	77	53	42	4	2			
Jharsuguda	Lectures delivered as resource persons	12	12	215	186	104	95	--	--			
Jharsuguda	Newspaper coverage	2	2							Mass awareness	Importance of soil testing	
Jharsuguda	Radio talks	2	2							Mass awareness	Mushroom cultivation	
Jharsuguda	TV talks	4	4							Mass awareness	Disease and pest management in Groundnut.	
Jharsuguda	Popular articles	1	1							Mass awareness		
Jharsuguda	Extension Literature	2	2	--	--	--	--	--	--	Mass awareness	GPS based soil sample collection,mushro om cultivation.	
Jharsuguda	Farm advisory Services											
Jharsuguda	Scientific visit to farmers field	170	170	408	94	310	48	8	4	Problem solution and Technology dissemination		
Jharsuguda	Farmers visit to KVK	340	340	186	92	105	57	--	--	To get information regarding crop and enterprise management		
Jharsuguda	Diagnostic visits	17	17	94	43	76	17	8	6			
Jharsuguda	Exposure visits											
Jharsuguda	Ex-trainees Sammelan	1	1	12	7	4	2	1	1	To access the impact		
Jharsuguda	Soil health Camp	2	2									
Jharsuguda	Technological week	1	1	52	38	43	52	7	4		GPS based soil	

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 Stage s
				M	F	M	F	M	F			
	celebration										sample collection camp, Soil health management campaign , Income generation for women SHG , Awareness on climate change, Oyster mushroom production, Onion and Potato cultivation technique	
Jharsuguda	Soil test campaigns	2	2							Awareness About soil testing		
Jharsuguda	Farm Science Club conveners meet	2	2	18	11	8	9	2				
Jharsuguda	Self Help Group conveners meetings	1	1	8	7	9	6	1		To bring the SHGs in a common platform to share various issues		
Jharsuguda	Mahila Mandals conveners meetings											
Jharsuguda	Celebration of important days(World environment day)	5	5	185	97	120	48	5	3		Foundation day, world soil health day, womens day in agriculture, Jai bigyan jai kisan,world food day	

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

7.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
Jharsuguda	June 2015	Qtrly	500	500
Jharsuguda	Sept.2015	Qtrly	500	500
Jharsuguda	Dec 2015	Qtrly	500	500
Jharsuguda	March 2016	Qtrly	500	500

7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Jharsuguda	Booklet	GPS Padhatire namuna mati sanmagraha O mati maa ra parichalana	Dr. Biswaranjan Pattanaik, P.C Sri Pravat Kumar Sahoo, P.A (Agriculture)	500
Jharsuguda	Booklet	Sitadine pala O dhangiri chhatu chasa	Dr. Biswaranjan Pattanaik, P.C Sri Pravanjan Mishra, SMS (Hort.)	500
Jharsuguda	Year Planner	Year Planner-2015-16		50

7.2 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.)
Jharsuguda	Oilseed	Groundnut	Devi	3.0			
Jharsuguda	Pulse	Arhar	Asha	1.43			

8.2 Planting Material production

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Jharsuguda	Vegetable	Tomato	Utkal Raja	12250	12250	6	
Jharsuguda		Brinjal	Utkal Keshari	30250	30250	16	
Jharsuguda		Onion	Bhima Shakti	150000	22500	20	
Jharsuguda		Cauli Flower	Himlata	305	305	2	
Jharsuguda		Drumstick	PKM-1	13	195	2	
Jharsuguda		Papaya	Coorg H dew	50	750	5	

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.)
Jharsuguda	Bio Agents						
Jharsuguda	Bio Agents						
Jharsuguda	Bio Fertilizer						
Jharsuguda	Bio Fertilizer	Vermi culture	1 Kg		100	2	
Jharsuguda	Mushroom Spawn	Spawn		243	2916	20	

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
Jharsuguda	Poultry	Banaraja	Chicks	500 nos.	26550	10

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)
Jharsuguda	Not Available	--	Tested in Mudraparikshak- 500 Outside Lab- 500	1350	1000	12		1000

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)
Jharsuguda	--	--	--	--	--	--	--	--

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)
Jharsuguda	September-October 2015	2015	Skill Development Training on Mushroom production and value addition	30	30	30		30

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
Jharsuguda	2012	2012	4	1	Needs major Repairing

13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Jharsuguda	11.08.15	30	<ul style="list-style-type: none"> ➤ Intervention on late kharif onion is to be taken up., ➤ Forder Hybrid Napier var Co₃ and Co₄ to be introduced in NICRA project , ➤ Paddy variety Sahabhazi dhan is not to be compared with Khandagiri under NICRA, ➤ Trails on tuber and hardy fruit plants is to be taken for utilization of unbundled uplands., ➤ Trials on bio fertilizer, compost use in different crops and micro nutrients on paddy to be emphasized., ➤ Short duration crops are to be taken on the land where sesamum is taken up as the sowing time of sesamum is August., ➤ IFS model on horticulture based is to be popularized .,Hydroponics model is to be introduced., ➤ Trials may be conducted on fruit crops like Pomegranate & Pineapple cultivation., ➤ Intervention on off-season vegetables for more return., ➤ Tractor moulded Ridger & ridge and furrow machine may be introduced for custom hiring centre under NICRA., ➤ Training on disease management in livestock and poultry, ➤ Training to SHG heads for vegetable growing and value addition., ➤ Brown and green manuring to be popularized for soil health., ➤ Pond based fish farming should encouraged under IFS.
Jharsuguda	20.01.16	30	<ul style="list-style-type: none"> ➤ Standardisation of varietal trial on Potato.,Standardisation of varietal trial of onion and time of sowing or planting., ➤ Designing of interventions on organic farming and horticulture based farming system in upland., ➤ Kharif Onion may be standardise through trails.,Trials may be designed on low cost poly tunnel., ➤ Farmers club database development & sending of messages through KMA.,Exposure/ Filed visit for SHGs and farmers group., ➤ Financial literacy campaign may be organised with the help of bank expert.k, ➤ Pisciculture based integrated farming system may be taken up by integrated approach., ➤ Standardisation of technology for rice-fish farming system., ➤ Awareness campaign for low use of pesticides in rice-fish farming., ➤ Horticulture based fish farming may be standardise., ➤ Taking interventions at upland or upland based interventions may be included in action plan.,RIR poultry birds may be introduced for backyard poultry.,

			<ul style="list-style-type: none"> ➤ Trials may be conducted on feeding of poultry as azolla for increasing egg laying capacity., ➤ Intervention on fruit crop may be introduced.,Introduction of new fruit crops like Pomegranate, K.lime, Sweet Orange, Guava, Litchi, citrus etc., ➤ The mushroom spawn production may be increased as per the demand of the district., ➤ Trials on value addition of chilli may be taken up., ➤ Mushroom spawn production should be taken on project mode/PPP mode for more production., ➤ Solar dried based demonstrations may be developed supported by training, exposure visit., ➤ Capacity building of CIG, FIG, as per new guideline.,Training may be given on application part like application of Micro nutrient, fertilizer and pesticides., ➤ The Azolla/ Vermicompost unit may be developed at village with support of ATMA,NHM funding., ➤ Soil sampling technique, testing and soil test based fertilizer application may be given priority for better soil health management. ,
--	--	--	--

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.		
Jharsuguda	44	5000	80	Farmers Portal	Integrated Nutrient Management, Pest & Disease management, Income generation activities, production techniques, weather forecast, programme information, inputs availability.

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
Jharsuguda	ATMA	State	40000	Farmers fair cum farmers scientist interaction programme	Belpahar	--
Jharsuguda	ATMA	State	24000	Training programme on soil sample	KVK Campus	--

				collection and testing		
Jharsuguda	ATMA	State	--	World Soil Health day celebration	Jharsuguda	
Jharsuguda	Odisha Watershed Development Agency	State	439500	Skill development training on mushroom production and value addition.	Jharsuguda	--

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Jharsuguda	30938306848	135487	259192	259192

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Jharsuguda	Ms. Sunita Naik	Farmer	OUAT, Bhubaneswar	--

18. Details of KVK Agro-technological Park .

a) Have you prepared layout plan, where sent?

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

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Jharsuguda	Crop Cafeteria	Pipeline varieties of O.U.A.T and also locally suited sustainable varieties is at Crop Cafeteria
Jharsuguda	Technology Desk	Information bulletin , news letter ,booklets published from K.V.K has been displayed for visitors
Jharsuguda	Visitors Gallery	Photographs of different activity of K.V.K like O.F.T , F.L.D, Training, Field day, P.R.A Survey , on-farm activity , demo unit, crop cafeteria, special day celebration are displayed for visitors
Jharsuguda	Technology Exhibition	Different exhibits/models like onion storage structure , vermicompost unit, green house, polyhouse, mulching,drum seeder, paddy basedfarming system,paddythresher, mandwa weeder, hand weeder ,three layer system of fish cultivation are displayed
Jharsuguda	Technology Gate-Valve	Near gate of K.V.K in one room different materials of farm like vegetable seedling (tomato, brinjal, chilli) , seeds, poultry birds (Banaraja), vermicompost has been kept for selling.

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Maize, Groundnut	02
2	Potato ,Red Cabbage, Cabbage	04
3	Cauli Flower ,Onion	3

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.
---------	-------------	------------------------	------------------------	---------------------------------------

01	Jharsuguda	Padmabati Bhoi	Mushroom Production	At- Banjari, Dist- Jharsuguda, Mob- 9556861662
02	Jharsuguda	Khirodini Patel	Value Addition	At- Lahandabud, Dist- Jharsuguda, Mob-7894263295
03	Jharsuguda	Ashok Kumar Naik	Integrated Farming System	At- Durlaga, Dist-Jharsuguda, Mob-9938564313
04	Jharsuguda	Kishore Kumar Dhurua	Hybrid Paddy	At- Gudigaon, Dist- Jharsuguda, Mob-9778139531
05	Jharsuguda	Sumanta Sa	Greengram Cultivation	At- Rengali, Dist- Jharsuguda, Mob-
06	Jharsuguda	Duryadhan Sahu	Banana Cultivation	At- Kureimal, Dist- Jharsuguda, Mob-9938781695
07	Jharsuguda	Gitanjali Naik	Oilseed Production	At- Sialrama, Dist- Jharsuguda, Mob-7894963222
08	Jharsuguda	Debarchan Patel	Oilseed Production	At- Rengalbedha, Dist- Jharsuguda, Mob-
09	Jharsuguda	Susanta Kumar Nayak	Banana Cultivation	At- Ghantamal, Dist- Jharsuguda, Mob- 9777468457
10	Jharsuguda	Hrudananda Meher	Maize Cultivation	At- Bhoimunda, Dist- Jharsuguda, Mob-8895917266

20. KVK interaction with progressive farmers

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated

21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Jharsuguda	5	5	5	12

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.
1	Sundargarh	Manpower, Machinery, Technology sharing	Organising capacity of programmes
2	Sundargarh -II	Manpower, Machinery, Technology sharing	Organising capacity of programmes

24. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Jharsuguda						
Jharsuguda	Dr. Prafula Ku. Naik, Sr. Scientist Regional Centre, ICAR-CARI, Bhubaneswar	23.05.2015	ICAR			Praised the PPP mode mushroom spawn production programme of KVK
Jharsuguda	Dr. Subash Ch. Sahoo, Jt. Director, DEE, OUAT, BBSr	11.08.2015		SAU		Attended the 10 th SAC meeting, visited NICRA village & review the activities of NICRA villages
Jharsuguda	Chanchal Rana, IAS (P), Jharsuguda	31.08.2015			Other	Appreciate the livelihood training programme conducted by KVK
Jharsuguda	Asish Kumar Banchhor, Livelihood Co-ordinator, OCTMP, Jharsuguda	23.09.2015			Other	Praised the NICRA activities of KVK.
Jharsuguda	Dr. Shatrughana Panda, Retd. Prof. Plant Pathology, OUAT, BBSR	24.09.2015		SAU		Appreciate the livelihood training programme conducted by KVK
Jharsuguda	Shakti P. Mohapatra, DDM, NABARD, Sundergarh	03.10.2015			Other	Praised the KVK for conducting skill development training programmes.
Jharsuguda	Dr. Sarbani Das, Asst. Professor, CA, Chiplima.	14.10.2015		SAU		Praised the KVK for successfully conducted the skill development training programme.
Jharsuguda	Dr. S.K Panda, Prof. & Head, Dept. of Entomology, CA, OUAT, BBSR	18.10.2015		SAU		Praised the KVK for successfully conducted the skill development training programme
Jharsuguda	Dr. Kailash Bihari Satapathy, Professor, Plant pathology, CA, BBSR	18.10.2015		SAU		Appreciate the demonstration units of KVK
Jharsuguda	Dr. Chintamani Panda, Assoc. Prof. (Hort.) CA, OUAT, BBSR	07.11.2015		SAU		Praise the KVK for its work towards farming community.
Jharsuguda	Dr. K.K Sardar, Assoc. Professor, College of Veterinary Science, OUAT, BBSR	07.11.2015		SAU		Praised the mixed fruit orchard developed by the KVK
Jharsuguda	Ajit Kumar Sahoo, Asst. Prof., Dept. of fruit science, CH, OUAT	03.01.2016		SAU		Appreciate the KVK for its co-ordination with line department and maintenance of demonstration units.
Jharsuguda	Dr. Ranjan Kumar Tarai, Assoc. Professor, CH, Chiplima.	03.01.2016		SAU		Visited the instructional farm and praised the mixed fruit orchard.

Jharsuguda	Dr. Manoranjan Mahapatra, Jt. Director, DEE, OUAT, BBSR	20.01.2016		SAU		Attended the 11 th SAC meeting at KVK Jharsuguda and review the activities of KVK.
Jharsuguda	Tushar Ramachandra Athare, Scientist, ICAR-ATARI, Jabalpur.	14.01.2016	ICAR			Praised the KVK activities in the field of agriculture and allied sector.
Jharsuguda	Jyoti Ranjan Pradhan, PD, DRDA, Jharsuguda	29.01.2016			Other	Hon'ble Guest to Panipanchyat fortnight closing ceremony
Jharsuguda	Harmohan Pradhan, SE, Hirakud Dam project.	29.01.2016			Other	Praised the KVK activities in the field of agriculture and allied sector
Jharsuguda	Sunil Kumar Behera, Executive Engineer, Sambalpur Irrigation Division, Burla	29.01.2016			Other	Praised the KVK activities in the field of agriculture and allied sector
Jharsuguda	Smt. Pradeepta Sahu, Chairperson, Jharsuguda Block	03.02.2016			Other	Praised the PPP mode mushroom spawn production programme of KVK
Jharsuguda	Dr. A.P Diwedi, Sr. Scientist ,ATARI Zone-VII, Jabalpur	19.02.2016	ICAR			Agri-Horti Farmers Fair participation and NICRA Review
Jharsuguda	Dr. SRK Singh, Sr. Scientist ,ATARI Zone-VII, Jabalpur	19.02.2016	ICAR			Agri-Horti Farmers Fair participation and NICRA Review
Jharsuguda	Smt. Radharani Panda, Hon'ble MLA, Brajarajnagar, Jharsuguda	29.01.2016			Other	Hon'ble Guest to Panipanchyat fortnight closing ceremony
Jharsuguda	Sri Nabakishore Das, Hon'ble MLA, Jharsuguda	29.01.2016			Other	Hon'ble Guest to Panipanchyat fortnight closing ceremony

25. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Jharsuguda	30.07.11	52	Mass

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			
Jharsuguda							NA

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
Jharsuguda	Dr. B.R Pattanaik	Sr. Scientist & Head	HRD Programme	
	Total			

Name of KVK	Total Number of staff Attended HRD Programme organized by ZPD (nos)	Total Number of Programme attended (Nos)
Jharsuguda	1	1

30. Attended HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Jharsuguda	Dr. B.R Pattanaik	Sr. Scientist & Head	HRD Programme	
Jharsuguda	Sri P.K Sahoo	P.A (Agriculture)	Training programme on soil testing	

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Jharsuguda	2	2

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
Jharsuguda	GPS based soil sample collection camp	1	25	--
Jharsuguda	Soil health management campaign	1	25	--
Jharsuguda	Income generation for women SHG	1	25	Mushroom cultivation, vermin composting
Jharsuguda	Awareness on climate change	1	25	--
Jharsuguda	Oyster mushroom production	1	25	Method of Oyster mushroom cultivation.
Jharsuguda	Onion and Potato cultivation technique	2	50	Scientific method of Onion and Potato cultivation

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

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. NICRA Achievement

1. Technologies to be Demonstrated

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Ridge and Furrow method in Cowpea	Cowpea	1.0	72.0	24.13	18
Ridge and Furrow method in Colocassia	Colocassia	1.0	143	23.27	11
Dhaincha application in Paddy	Dhaincha	4.0	48		20
Introduction of Paddy variety-Sahabhagidhan	Paddy	4.0	31.0	29.17	29
Introduction of Hybrid Maize	Maize	4.0	39.0	69.57	28
SRI method of Paddy cultivation	Paddy	2.0	53.0	20.45	5
Boron application in Cauliflower	Cauliflower	0.8	162	26.56	14
Integrated Nutrient Management in Brinjal	Brinjal	0.4	183	18.83	13
Upgradation of Black Bengal of goat breed	Goat	2 nos.	18 kg body wt. at 9 month	28.5	2
Poultry rearing Banaraja	Poultry	500	3.5 kg body wt. in 6 month	66.6	10
marigold Cultivation	Marigold	0.2	--	--	2 SHGs

2. Extension Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Exposure visit of farmers	8	8	2	18
Field days	140	110	12	262
Animal Health cum Nutrition Camp	26	2	8	36

3. Training Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Canopy Management	11	14	2	27
Protected cultivation of Capsicum	11	14	3	28
Value addition of vegetables	25	0	2	27
Off season gerbera cultivation	25	0	2	27
Integrated Nutrient Management in Brinjal	14	11	3	28
Boron application in Cauli flower	18	07	2	27
Vermicomposting	25	0	4	29
Mushroom Production technique	25	0	2	27

4. Activities for Fodder Bank

Established (Years)	Capacity	Current Status

5. 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
Asish Kumar Banchhor	Livelihood Co-ordinator, OCTMP, Jharsuguda	23.09.2015	Visited the NICRA village and appreciated the work done by KVK
Dr. A.P Diwedi,	Sr. Scientist ,ATARI Zone-VII, Jabalpur	19.02.2016	Agri-Horti Farmers Fair participation and NICRA Review
Dr. SRK Singh,	Sr. Scientist ,ATARI Zone-VII, Jabalpur	19.02.2016	Agri-Horti Farmers Fair participation and NICRA Review
Dr. Subash Ch. Sahoo,	Jt. Director, DEE, OUAT, BBSR	11.08.2015	Attended the 10 th SAC meeting, visited NICRA village & review the activities of NICRA villages

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

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

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

Name of the KVK, :- **Jharsuguda, Odisha**

TITLE, Introduction, INTEGRATED FARMING SYSTEM FOR SUSTAINABLE LIVILIHOD

Jharsuguda district is mostly rainfed having 16 % irrigated area and rice occupies more than 84% of the agricultural area in the kharif season. The landholdings are small and the farmers practice subsistence farming for their livelihood. In order to maximize farm productivity, the technological interventions through Integrated Farming System were adopted in participatory mode by KVK, Jharsuguda

KVK intervention,

Considering the physical, social and economic limitations of the Jharsuguda, an integrated farming system model was developed in the field of Sri Ashok Kumar Naik, during 2011–12 to 2013–14

The model comprises 2.5 ha of fenced area . With the assistance of KVK through demonstration of different interventions like Integrated farming system, Backyard poultry rearing, pond based farming system , floriculture , mushroom production supported by training and extension activities were conducted in the village for capacity building and awareness of improved agricultural technologies

Output,

He is now able to grow paddy variety Sahabhabagi, Pratikshya and Pooja in two seasons in 1,5 ha area and getting an income of 180000 per year. Income generation activities like mushroom production(Both Oyster and Paddy straw) , vermicomposting, value addition are adopted by him and getting an income of Rs.30,000/- per year. Another major source of income is Rs.120000 per year from Integrated Fish Farming .The other activities includes backyard poultry (Banaraja, Rainbow) rearing and duck (Khaki Campbell) rearing is also a good source of additional income practised by him getting an annual income of Rs.80,000/- .In total his annual income from different sources is around Rs.4 Lakh which signs a good entrepreneurship.

Outcome,

He is a good progressive farmer having leadership quality. Always a well response is received not only from KVK but also from department point of view means he has a good liaison with all agriculture and allied department.

Impact

Now, he has become a role model for not only in his village but also for the entire block of this district. Now, farmers from other villages were motivated by the success of these farmers and most of the village headmen are requesting to implement such model in their villages. These interventions made a positive impact on the utilization of scarce resources under fragile ecosystem benefitting farmers

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Jharsuguda	--	1 (IFS Model)
2,	Jharsuguda	--	1 (Integrated Cauli Flower cultivation in Odia Language)

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) –

Sd/- Dr. B.R Pattanaik
Senior Scientist & Head
KVK, Jharsuguda