ANNUAL PROGRESS REPORT

April 2016 to March 2017

KVK, MALKANGIRI

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Instructions for Filling the Format

1. **Do not change/modify/ delete any column of any of the table. However, additional rows can be created, if required.**
2. **Do not merge columns, rows.**
3. **Please repeat the name of KVK in each table in the column "Name of KVK"**
4. **Do not fill the non-numerical values in numeric field**
5. **Do not repeat the unit while reporting data as it is already mentioned in the heading row**
6. **Strictly fill the data in desired unit only. If it is reported in other unit, convert it in the desired unit**
7. **Please mention only standard English names of crops (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)**
8. **Additional relevant information may be provided at the end of Format by creating heading "Additional Information"**
9. **Also read the instructions mentioned just below the table**
10. **Your suggestions for improvement in the format for your simplicity as well as data compilation may be given at the end of the format**
11. **Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.**
12. **Gray 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 Horse gram, 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			
	On Going OFT			
	Technologies assessed (Completed OFT)	**10**	114	
	Technologies refined			
	On farm trials conducted			
2	**Frontline demonstrations**			
	Proposed Frontline demonstrations			
	On Going Frontline demonstrations			
	FLDs conducted on crops	9	63	
	Area under crops (ha.)	19.0		
	FLD on farm implement and tools			
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	1	100	
	FLD on Fisheries - Finger lings			
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermin compost, etc.)	3	45	
	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	12	24	300
	Farm women			
	Rural youth	2	4	50
	Extension personnel/ In service	2	10	30
	Vocational trainings	2	4	50
	Sponsored Training	2	10	30
	Total			460
		No. of programmes	**Participants**	
4	**Extension Programmes**	5	900	
5	**Production of technology inputs etc**	**Qty**	**Beneficiaries (nos.)**	
	Seed (qt.)	42		
	Planting material produced (nos.)	8000	150	
6	**Livestock**	**Qty**	**Beneficiaries (nos.)**	
	Livestock strains (Nos)			
	Milk Yield - Cow, Buffalo etc. (in liter)			
	Fish (Kg.)			
	Fingerlings (nos.)			
	Poultry-Eggs (nos.)			
	Ducks (nos.)			
	Chicks etc. (nos.)	1000	100	

7	**Bio Products**	**Qty**	**Beneficiaries (nos.)**	
	Bio Agents -Earth worm (Kg.)	0.1	10	
	Trichoderma (kg.)			
	Bio Fertilizers- Vermin compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	**200**	150	
	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)			
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)	6	3000	
	KVK News letter			
	SAC Meetings conducted	1	35	
	Soil sample tested	200	1000	
	Water sample tested			
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)			
	KVK-KMA (Message and beneficiaries)	34	2375	
	Convergence programmes	1	50	
	Sponsored programmes	1	50	
	KVK Progressive Farmers interaction	9	56	
	No. of Technology Week Celebrations			
	Attended HRD activities organized by ZPD	1	2	
	Attended HRD activities organized by DES	2	2	
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.)	1	1	
9	Current status of Revolving Funds (Amt. in Rs.)		95,000	
10		**No. of blocks**	**No. of villages**	
	Outreach of KVK in the District	5	36	
11		**ICAR**	**SAU**	**Others**
	No. of important visitors to KVK (nos.)			10
12		**Working (Yes/No)**	**No. of Update**	
	Status of KVK Website	Yes	24	
13		**Application received**	**Application disposed**	
	Status of RTI (nos.)			
14		**Query received**	**Query dissolved**	
	Citizen Charter (nos.)	12	12	
15		**Working (Yes/No)**	**No. of programme viewed**	
	E-connectivity	No		
16		**Filled**	**Vacant**	
	Staff Position	8	8	
17	Workshop/ Seminar/ Conference attended by staff of KVK (nos)	12		
18	Publication received from ICAR /other organization (nos.)	12		
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 (as on date)

Summary of Staff position in KVKs

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Malkangiri	16	1	1	6	1	3	2	6	4	16	8

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Per./Temp.	Category
Malkangiri	Programme Coordinator	Sri Nigamananda Behera	Agronomy	MSc. (Ag)	Agronomy	15,600-39,100 + AGP 6,000	16,250 + AGP 6,000	10.02.2014	Contractual	SC
Malkangiri	Subject Matter Specialist1	Dr. Anuj Kumar Rai	Seed Science(Plant Science)	Ph.D (Agril)	Seed Science & Technology	15,600-39,100 + AGP 6,000	15,600+ AGP 6,000	02.06.2015	Contractual	Others
Malkangiri	Subject Matter Specialist2	Vacant								
Malkangiri	Subject Matter Specialist3	Vacant								
Malkangiri	Subject Matter Specialist4	Vacant								
Malkangiri	Subject Matter Specialist5	Vacant								
Malkangiri	Subject Matter Specialist6	Vacant								
Malkangiri	Programme Assistant	Sri Rahul Dev Behera	Soil Science	MSc (Agril)	Soil Science	9,300-34,800+AGP 4200	9,300 +AGP 4,200	09.02.2015	Contractual	SC
Malkangiri	Programme Assistant	Sri Dibyasingh Pradhan	Computer	BA, LLB	PGDCA	9,300-34,800+AGP 4200	10,130+AGP 4,200	17.12.2012	Contractual	ST
Malkangiri	Farm Manager	Vacant								
Malkangiri	Accountant / superintendent	Vacant								

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Per./Temp.	Category
Malkangiri	Stenographer	Vacant								
Malkangiri	Driver	Sri Chandra Sekhar Behera		HSC		5,200-20,200+AGP 1900	6860 + AGP 1,900	01.08.2007	Contractual	SC
Malkangiri	Driver	Sri Sachidananda Rout		HSC		5,200-20,200+AGP 1900	6,110 + AGP 1,900	04.07.2014	Contractual	OBC
Malkangiri	Supporting staff	Sri Budhia Behera				4440-7440+AGP 1300	5,380 + AGP 1,300	30.07.2008	Contractual	OBC
Malkangiri	Supporting staff	Sri Bata Naik				4440-7440+AGP 1300	5,380 + AGP 1,300	01.08.2008	Contractual	SC

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

Agro Climatic Zone	South Eastern Ghat Zone
Location	Chhatishgarh in North and West, Andhra Pradesh in South, Koraput district in East
Latitude	17^0 40' to 18^0 43'
Longitude	81^0 22' to 82^0 25'
Altitude	300-900 m MSL
River system	Saberi in the North-West and Sileru in the South separating Malkangiri from Andhra Pradesh and Chhatishgarh
Population density	106 per sq km (as per 2011 census)
Total Geographical area	579100 ha(As per Dist. Statistical hand Book)
Gross cultivated area	2,28,374 ha
Total cultivated area	142734 ha
High land	88279 ha (61.85%)
Medium land	30430 ha (21.32%)
Low land	24025 ha (16.83%)
Total Population	6,13,192 (SC-23%, ST-58% & Other-19%)
Total Agriculture Family	90,504
Total Population of Male	303624
Total Population of Female	309568
Literacy rate	49.49%
Soil Texture	Sandy loam, clay loam
Soil type	Red laterite, acidic
Fertilizer Consumption	16.96 **:** 6.75 **:** 2.53 kg NPK per hectare
Major Cropping system	Rice-Rice, Rice-Groundnut, Rice-vegetable, Sesamum-Rice & Rice-Maize
Predominant crop	Paddy (Area-73,123 ha, average yield-20.18 q/ha) Groundnut(Area-19,230 ha, average yield-18.80 q/ha)

Other crops	Sesamum, Greengram, Maize, Vegetables
Cropping intensity	160%
Major plantation crop	Mango, Banana
Average annual rainfall	1667.6 mm (75% received during June to September)
Relative Humidity	25-70%
Average Maximum Temp.	30^0C to 44^0C

DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	Rice –Rice
2	Rice –Groundnut
3	Rice-vegetables
4	Fallow-Sesamum-Rice
5	Rice-Fish
6	Rice-Greengram
7	Pond based
8	Vegetable-Vegetable
9	Arhar-Rice

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

S. No	Agro-climatic Zone	Characteristics
1	South Eastern Ghat	Situated between 17^0 40' and 18^0 43' N latitude ; 81^0 22' and 82^0 25' E longitude Scattered and sharp isolated hills and thick forest Major area covered under undulated uplands Major soil type are –red sandy loam, red loam, red laterite and black loam. Annual average rainfall 1667.6 mm Mostly acidic, red and laterite soil . Mono crop with rice,ragi,sesamum,groundnut and some vegetables in kharif as rainfed crops

S. No	Agro ecological situation	Characteristics
1	Medium rainfall, high elevation (1000-1250 mm, 400-900m)	Red soil with undulated up lands , cultivated crops are ,Rice,ragi,kulthi and maize Receiving the rain fall -1200 mm
2	Medium rainfall, low elevation (1000-1250 mm, <400m)	Red and red laterite soil with crop covers like rice,maize,mung with rain fall 1250mm
3	High rainfall, low elevation (>1250 mm, <400m)	Red soil with crop covers of rice,groundnut ,mung and ragi
4	Low rainfall, low elevation (<1000 mm, <400m)	Red and laterite soil ,low rain fall, crop coveres like rice ,til ,black gram etc.

1.2.4 Soil type

S. No	Soil type	Characteristics	Area in ha
1	Red sandy loam	Highly erodible, fertile,coveres major area	317.0
2	Red loam laterite	Undulated waste lands ,coveres orchard crops,ragi and some pulses and oil seeds	238.0
3	Black laterite	Waste lands	260.0

1.2.5 Block wise rainfall data for the Year 2015-16

Month	Malkangiri	Korkonda	Mathili	Khairput	Kudmulu Gumma	Kalimela	Podia	Total	Average	Normal
April-14	5.80	0.00	20.00	42.50	36.50	17.00	0.00	121.80	17.40	34.80
May-14	86.40	57.00	40.00	45.50	19.00	83.00	21.00	351.90	50.27	49.10
June-14	75.20	116.50	63.60	144.00	110.00	78.00	37.00	624.30	89.19	212.20
July-14	510.00	433.00	536.00	582.50	563.38	344.60	229.00	3198.48	456.93	465.70
Aug.-14	374.20	347.00	389.00	394.00	385.80	242.20	246.40	2378.60	339.80	472.80
Sept-14	344.50	329.00	332.30	286.00	379.61	313.00	237.30	2221.71	317.39	281.20
Oct-14	223.20	246.50	132.00	162.10	241.59	139.10	155.60	1300.09	185.73	109.50
Nov-14	23.60	54.00	0.00	0.00	19.80	0.00	26.00	123.40	17.63	23.60
Dec-14	0.00	0.00	0.00	0.00	1.00	4.00	0.00	5.00	0.71	3.00
Jan-15	3.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.43	2.70
Feb-15	3.50	2.00	1.00	0.00	0.00	11.00	0.00	17.50	2.50	4.10
March-15	11.00	12.00	9.00	0.00	0.00	14.00	32.00	78.00	11.14	8.90
Total	1660.4	1597	1522.9	1656.6	1756.68	1245.9	984.3		1489.12	1667.60

1.2.6 Crop coverage

Sl No	Crop	Area(ha)	Production (000'MT)	Productivity(q/ha)
1.	Total Paddy	75,200	212.93	28.32
2.	Sesame	27842	11.7	4.20
3.	Groundnut	19230	45.19	23.50
4.	Total Maize	9590	27.13	28.29
5.	Ragi	8515	6.40	7.50
6.	Black gram	6092	3.01	4.94
7.	Green gram	4540	1.86	4.1
8.	Brinjal	3761	63.448	168.7
9.	Tomato	2719	37.984	139.7
10.	Sweet potato	1907	16.362	85.8

11.	Other vegetables	3489	37.995	108.9
12.	**Total Vegetables**	**16936**	**224.392**	**116.3**
13.	Mango	5640	27.354	48.5
14.	Total fruit crops	**8403**	**57.924**	**68.93**

1.2.7 Livestock scenario of the district

Milk production		32.618	
Meat production		0.676814	
Egg production		22.261 million	

1.2.8 An overview of Pisciculture in the district

Water Resources	Nos.	Area in ha
Reservoirs	3	17658.000
MIPS	26	286.465
Rivers and Canals	29	19240.000
GP Tanks	1112	937.27
Revenue Tanks	150	180.000
Private Tanks	5291	1583.990
Total	**6355**	**39737.185**

1.2.9 Block wise Fish production in the District (2012-13)

Name of Block	Total Fish Production (in Mt)
Kalimela	726.1
Khairput	8.5
K. Gumma	132.1
Korukonda	806.1
Malkangiri	792.9
Mathili	188.1
Podia	202.3
Total	**2856.8**

1.3. DETAILS OF ADOPTED VILLAGE during 1.4.2015 to 31.3.2016 (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)
Malkangiri	Pedawada	2012	Malkangiri	32 KM	987	346
Malkangiri	Tamasa	2012	Korkunda	12 KM	1346	486
Malkangiri	Dariguda	2012	Korkunda	12 KM	983	245
Malkangiri	Kadabahal	2013	Malkangiri	8 KM	500	62
Malkangiri	MV-2	2014	Malkangiri	10 KM	1235	355
Malkangiri	MV-43	2014	Malkangiri	12 KM	2563	826
Malkangiri	MV-8	2014	Malkangiri	15 KM	1680	765
Malkangiri	Irmaguda	2014	Malkangiri	9 KM	1310	754
Malkangiri	Paneriguda	2014	Malkangiri	12 KM	790	463
Malkangiri	Gandhipali	2015	Korkunda	10 KM	895	644
Malkangiri	MV-3	2015	Malkangiri	12 KM	883	625
Malkangiri	Tondapali	2015	Korkunda	22 KM	1965	1754

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

KVK Name	THRUST AREA
Malkangiri	Increase in double crop areas
Malkangiri	Integrated nutrient management in cereals, pulses and oilseeds
Malkangiri	Integrated pest , disease & weed management in different crops
Malkangiri	Soil fertility management
Malkangiri	Replacement of local variety with high yielding & hybrid vars
Malkangiri	Backyard rearing of improved goat breed, poultry and duck
Malkangiri	Mushroom Cultivation
Malkangiri	Promotion of Pisciculture.
Malkangiri	Farm mechanization
Malkangiri	Crop diversification
Malkangiri	Value addition
Malkangiri	Diversification of Agriculture
Malkangiri	Promotion of organic farming
Malkangiri	Increase in double crop areas.

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
Malkangiri	Low yield due to cultivation of local varieties with poor mgt. practices	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Ketriguda, Dariguda and Tamasa of Korukunda Block Pedawada, MPV-1, MV-2, MV-43, MV-8, Irmaguda, Kadabahal, Panirguda and of Malkangiri Block
Malkangiri	Monocropping	Discussion with the group of farmer, farm women and rural youth	Ketriguda, Dariguda and Tamasa of Korukunda Block Pedawada, MPV-1, MV-2, MV-43, MV-8, Irmaguda, Kadabahal, Panirguda and of Malkangiri Block
Malkangiri	Low yield due to imbalance nutrient management	Through PRA tools, focus group discussions	Ketriguda, Dariguda and Tamasa of Korukunda Block Pedawada, MPV-1, MV-2, MV-43, MV-8, Irmaguda, Kadabahal, Panirguda and of Malkangiri Block
Malkangiri	Lack of integrated disease, pest & weed management in different crops	Through PRA tools, focus group discussions with farmers, farmwomen & line department officials	Ketriguda, Dariguda and Tamasa of Korukunda Block Pedawada, MPV-1, MV-2, MV-43, MV-8, Irmaguda, Kadabahal, Panirguda and of Malkangiri Block
Malkangiri	Low production from fishery and livestock enterprises	Regular meetings with the farm women	Ketriguda, Dariguda and Tamasa of Korukunda Block Pedawada, MPV-1, MV-2, MV-43, MV-8, Irmaguda, Kadabahal, Panirguda and of Malkangiri Block
Malkangiri	Drudgery to Farm Women	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Ketriguda, Dariguda and Tamasa of Korukunda Block Pedawada, MPV-1, MV-2, MV-43, MV-8, Irmaguda, Kadabahal, Panirguda and of Malkangiri Block
Malkangiri	Unemployed rural youth	Through PRA tools and Discussion with the group of farmer	Ketriguda, Dariguda and Tamasa of Korukunda Block Pedawada, MPV-1, MV-2, MV-43, MV-8, Irmaguda, Kadabahal, Panirguda and of Malkangiri Block
Malkangiri	Post harvest loss of fruits and vegetables	Through PRA tools and Discussion with the group of farmer	Ketriguda, Dariguda and Tamasa of Korukunda Block Pedawada, MPV-1, MV-2, MV-43, MV-8, Irmaguda, Kadabahal, Panirguda and of Malkangiri Block
Malkangiri	Low income due to rice mono cropping and drought condition	Through PRA tools and Discussion with the group of farmer	Ketriguda, Dariguda and Tamasa of Korukunda Block Pedawada, MPV-1, MV-2, MV-43, MV-8, Irmaguda, Kadabahal, Panirguda and of Malkangiri Block
Malkangiri	Low yield due to reduction of soil fertility	Through PRA tools and Discussion with the group of farmer	Ketriguda, Dariguda and Tamasa of Korukunda Block Pedawada, MPV-1, MV-2, MV-43, MV-8, Irmaguda, Kadabahal, Panirguda and of Malkangiri Block

2. On Farm Testing

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**

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)	FP (T_1)	RP (T_2)	
Malkangiri	2015	Kharif	Low yield of upland rice due to drought	Assessment of short duration paddy varieties	Assessment	Varietal evaluation	Paddy	Rainfed upland	13	28.3	T_2-36.5 T_3-34.3	15035	T_2-19925 T_3-16735	High yielding rice Var. Sahabhagi can replace local varieties in drought prone areas
Malkangiri	2015	Kharif	Low yield due to low fertility of soil	Assessment of brown manuring in direct seeded paddy	Assessment	Soil fertility management	Paddy	Rainfed medium land	13	29.4	T_2-38.6 T_3-42.5	15630	T2-26,970 T3-29,625	Brown manuring improve the soil physical properties and also increase the water holding capacity

Malkangiri	2015	Kharif	Low yield from transplanted rice due to weed infestation	Assessment of herbicides for weed management in transplanted paddy	Assessment	Integrated weed management	Paddy	Rainfed medium land	13	39.6	T_2-41.2 T_3-41.8 T_4-42.6	25,420	T2-25,890 T3-27,160 T4-27,820	Azimsulphuron herbicides can control weed 88% other than manual weeding also control 90% but time and labour and easy operation can benefited to the treatment
Malkangiri	2015	Pre Rabi	Low yield due to improper nutrient management	Assessment of integrated nutrient management in Sesamum	Assessment	INM	Sesamum	Rainfed upland	13	3.5	5.6	19000	29000	Soil test based fertilizer along with gypsum increased the seed yield of sesamum by 60%
Malkangiri	2014-15	Rabi	Low yield of Tomato due to old variety	Assessment of Tomato Var. Swarna Sampad in rice based cropping system	Assessment	Varietal evaluation	Tomato	Irrigated medium land	13	315.4	681.6	270660	62603	The variety Swarna Sampad enhanced the fruit yield by 116 % and it is resistant to disease and pest particularly during rabi season.
Malkangiri	2014-15	Rabi	Low yield due to weed infestation	Assessment of herbicides for weed management in ground nut in rice based cropping system	Assessment	IWM	Groundnut	Irrigated medium land	5	14.2	T_2 – 16.4 T_3-17.6 T_4-20.3	28200	T_2 – 37600 T_3-41600 T_4-52100	There was 43 % increase in pod yield over farmers practice due to

														application of Imazethapyr as post emergence spray
Malkangiri	2014-15	Rabi	Low return from existing maize	Assessment of sweet corn Var. Sugar-75	Assessment	Varietal evaluation	Sweet corn	Irrigated medium land	13	55480 Cob	46750 Cob	40000	89000	Sweet corn can replace existing maize due to high market value and its taste
Malkangiri	2014-15	Rabi	Low yield due to improper nutrient management	Assessment of Integrated nutrient management in Ground nut	Assessment	INM	Ground nut	Irrigated medium land	13	17.5	21.8	42000	54200	There was yield increase 24.5 % with application of FYM 5 t/ha + NPK 20-40-40 Kg/ha + Lime application @ 0.2 LR before sowing
Malkangiri	2014	Kharif	Low yield from rice in uplands	Assessment of onion varieties during kharif in rice-fallow system in uplands	Assessment	Crop diversification	Onion	Rainfed upland	5	Rice yield - 18.6 q/ha	Onion var. N-53 REY-110.4 q/ha onion var. Agri found dark red REY-127.2 q/ha	750	T_2 – 63800 T_3-84000	In rainfed uplands onion cultivation during kharif is highly profitable as compared to rice
Malkangiri	2015	Rabi	Low yield due to use	Assessment of Green gram	Assessment	Varietal	Green gram	Irrigated medium	7	6.25	8.9	34875	50750	The yield of new

			of local variety	varieties		eval uatio n		land						introduce variety was 42% increase the yield over old one

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)
Malkangiri	Assessment of short duration paddy varieties	EBT/hill (No.)	10	15	26000	T2-33000 T3-33000		41,035	T2-52925 T3-49,735		15035	T2-19925 T3-16735		1.5	T2-1.6 T3-1.5	
Malkangiri	Assessment of brown manuring in direct seeded paddy	EBT/hill (No.)	9	13	27000	T2-29000 T3-32000		42630	T2-55970 T3-61625		15630	T2-26970 T3-29625		1.5	T2-1.9 T3-1.9	
Malkangiri	Assessment of herbicides for weed management in transplanted paddy	EBT/hill (No.)	10	16	32000	T2-33850 T3-33450 T4-33950		57420	T2-59740 T3-60610 T4-61770		25420	T2-25890 T3-27160 T4-27820		1.7	T2-1.7 T3-1.8 T4-1.8	
Malkangiri	Assessment of Green gram varieties				12000	16000		46875	66750		34875	50750		3.9	4.2	
Malkangiri	Assessment of Hybrid paddy Var. Ajaya	EBT/hill (No,)	17	28	25000	33000		52250	73250		27250	40250		2.0	2.2	
Malkangiri	Assessment of zinc application for management of Iron toxicity problem in	EBT/hill (No.)	12	16	22000	25000		39125	48250		17125	23250		1.7	1.9	

	paddy															
	Assessment of integrated nutrient management in Sesamum	Number of pod/plant (No.)	28	57	9000	15000		28000	44800		19000	29000		2.5	2.9	
	Assessment of Tomato Var. Swarna Sampada in rice based cropping system	No. of fruits/plant (No.)	58	111	60500	89500		331160	715703		270660	626203		5.4	7.9	
	Assessment of herbicides for weed management in ground nut in rice based cropping system	Weed control efficiency (%)	76.3	T_2 – 81.0 T_3- 81.5 T_4- 84.8	28600	T_2 – 28000 T_3- 28800 T_4- 29100		56800	T_2 – 65600 T_3- 70400 T_4- 81200		28200	T_2 – 37600 T_3-41600 T_4-52100		2.0	T_2 – 2.3 T_3- 2.4 T_4- 2.7	
	Assessment of sweet corn Var. Sugar-75	Cob weight (g)	187	184	20000	24000		83220	140250		63220	116250		4.1	5.8	
	Assessment of Integrated nutrient management in Ground nut	Number of pod/plant (No.)	16	21	28000	33000		70000	87200		42000	54200		2.5	2.6	
	Assessment of onion varieties during kharif in rice-fallow system in uplands	Bulb weight (g)		T_3-65 T_4-74	22500	T_2- 74200 T_3- 75000		23250	T_2- 138000 T_3- 15900		750	T_2-63800 T_3-84000		1.03	T_2- 1.86 T_3- 2.12	

2.3 Information about Home Science OFT: Nil

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	Est. Energy	WHR	%	%	Production	Cost of	Incremental	Yield(Kg/ha)	Net	Saving	BC

		m2/h		Expenditure kj/min.		beat/min		reduction in drudgery		increase in efficiency		per unit		input		income				Return		in Rs	ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Malkangiri																							

2.5 Feedback from KVK to Research System

Name of KVK	Feedback
Malkangiri	
Malkangiri	

3. Achievements of Frontline Demonstrations

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

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

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
Malkangiri	Rice	Varietal evaluation	Use of certified seed of variety Hybrid Ground nut TG-38"	Exposure visit, FLD, film/CD shows, training, field days	10	84	60
Malkangiri	Sesamum	Varietal evaluation	Use of HYV "Kalika,Uma"	Exposure visit, FLD, film/CD shows, training, field days	5	82	60
Malkangiri	INM in Maize	INM	N:P2O5:K2O= 170:80:80Kg/ha, ZnSO4= 25 Kg/ha	Exposure visit, FLD, film/CD shows, training, field days	6	39	33
Malkangiri	IFS	IFS	Vegetable seedlings, ducklings, poultry chicks, fingerlings	Expos Exposure visit, FLD, film/CD shows, training, field days	16	38	52
Malkangiri	Green gram	Integrated Crop Management	Cultivation of High yielding Variety of Greengram, Seed treatment with Rhizobium @20gm/ kg. of seed, N:P:K @ 20:40:40, Spraying of	Exposure visit, FLD, film/CD shows, training, field days	8	52	60
Malkangiri	Groundnut	Integrated Crop Management	Cultivation of High yielding Variety of Groundnut, Seed treatment with Rhizobium, soil application of PSB, N:P:K @ 20:40:40, spraying of Boron, Propenophos, Ridomil MZ-72.	Exposure visit, FLD, film/CD shows, training, field days	9	66	65
Malkangiri	Groundnut	Integrated Crop Management (TSP)	Cultivation of High yielding Variety of Groundnut, Seed treatment with Rhizobium, soil application of PSB, N:P:K @ 20:40:40, spraying of Boron, Curacron@400ml/acre, SAAF@400g/acre.	Exposure visit, FLD, film/CD shows, training, field days	4	35	40
Malkangiri	Rice	IPM	Clean cultivation, use of potash alternate drying and wetting, making alleys of 0.3 mtr between rows at 2 mtr interval and alternate spraying of Thiomethoxam 25 wg @ 100 gm/ha. and Acetameprid @ 150 gm/ha	Exposure visit, FLD, film/CD shows, training, field days	6	52	70
Malkangiri	Chilli	IPM	Alternate spraying of Thiomethoxam25WG@100gm/ha. and Acetameprid @150gm/ha	Exposure visit, FLD, film/CD shows, training, field days	7	33	36

Malkangiri	Rice	IDM	Soil application of, Carbofuran 3 G @ 30 kg / ha, alternate spraying of Thiomethoxam 25 WG @ 100 gms / ha and Dimethoate 35 EC @ 1 ltr / ha and use of yellow sticky trap may enhance the yield.	Exposure visit, FLD, film/CD shows, training, field days	9	58	85
Malkangiri	Brinjal	INM	Spacing : 60 X 60, N:P:K-120:60:60	Exposure visit, FLD, film/CD shows, training, field days	5	33	36
Malkangiri	Poultry	Evaluation of breeds	Rearing of improved breed of poultry (Banaraj)	Exposure visit, FLD, film/CD shows, training, field days	9	62	-
Malkangiri	Duckery	Integrated duck and fish farming	Rearing of improve duck breed	Exposure visit, FLD, film/CD shows, training, field days	2	12	-
Malkangiri	Rice	Mushroom cultivation	Growing of mushroom in bed using spawn straw and wheatfloor	Exposure visit, FLD, film/CD shows, training, field days	8	48	-
Malkangiri	Vegetables	Nutritional garden	Solanicious vegetables like tomato brinjal chili papaya drumstick,. Leave vegetable like pallack emranthus green coriandal leaves	Exposure visit, FLD, film/CD shows, training, field days	11	82	-

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.**

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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

Malkangiri	2014	Kharif	Integrated nutrient management	Soil test based NPK 125-62.5-50 kg/ha with 25 kg $ZnSO_4$ and 10 kg boprax/ha	Paddy	HYBRID	2.0	48.7	59.4	21.97	1	4	0	0	5
Malkangiri	2014	Kharif	Integrated pest Management	Application of indoxacarb (15.84 % EC) @ 500 ml /ha two times at 15 days interval	Paddy	MTU-10 01	2.0	24.8	34.2	37.9	2	2	0	1	5
Malkangiri	2015-16	Kharif	Integrated crop Management	Tissue culture banana	Banana	Bantala	1.0	Continuing			2	4	4	0	10
Malkangiri	2015-16	Kharif	Varietal evaluation	Hybrid tomato var. Swarna Sampad	Tomato	Swarnasampad	1.0	315	681	116	1	9	0	0	10
Malkangiri	2015-16	Rabi	Mushroom cultivation	Cultivation of oyster mushroom	Oyster mushroom	*P. Sajarkaju*	200 beds	-	2.1 kg/bed	-	8	18	4	0	30
Malkangiri	2014	Kharif	Mushroom cultivation	Cultivation of paddy straw mushroom	Paddy straw mushroom	*V.Volvacea*	200 beds	-	0.9 kg/bed		2	5	2	1	10
Malkangiri	2014-15	Kharif & rab	Nutritional garden	Seasonal vegetables	Vegetables	-	0.04	-	183.0 kg	-	1	7	2	0	10
Malkangiri	2014-15	Rabi	Poultry production	Rearing of 30 days old vaccinated Vanaraja poultry in back yard	Poultry (TSP)	Vanaraja	2500 chicks	Continuing	-	-	-	100	-	-	100
Malkangiri	2014-15	Rabi	Integrated crop Management	Package of practices of ground nut	Ground nut	Smruti	5.0	16.6	20.4	22.9	4	9	1	1	15
Malkangiri	2014-15	Rabi	Integrated crop Management	Package of practices of greengram	Greengram	TARM-1	5.0	5.9	8.3	40.7	3	7	3	2	15

Malkangiri	2014-15	Kharif & rab	Mushroom cultivation	Cultivation of paddy straw & oyster mushroom	Paddy straw & oyster mushroom	*V.Volvacea* & *P. Sajarkaju*	2000 beds	-	0.85 kg & 1.4 kg/bed	-	-	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)**
Malkangiri	Tissue culture banana	Banana	Continue	-	-	-	-	-	-	-	-	-	-
Malkangiri	Hybrid tomato var. Swarna Sampad	Tomato	No. of fruits/plant	58	111	60500	89500	331160	715703	270660	626203	5.5	8.0
Malkangiri	Cultivation of oyster mushroom	Oyster mushroom					52		210		158		4.0
Malkangiri	Soil test based NPK 125-62.5-50 kg/ha with 25 kg $ZnSO_4$ and 10 kg boprax/ha	Paddy	EBT/m^2	201	253	34513	38390	60875	74250	26362	35860	1.8	1.9

Malkangiri	Application of indoxacarb (15.84 % EC) @ 500 ml /ha two times at 15 days interval	Paddy	Dead heart	17	2	24450	31376	31000	42750	6550	11374	1.3	1.4
Malkangiri	Tissue culture banana	Banana	Continuing										
Malkangiri	Cultivation of paddy straw mushroom	Paddy straw mushroom					45		135		90		3.0
Malkangiri	Seasonal vegetables	Vegetables					3200		4375		1375		1.4
Malkangiri	Rearing of 30 days old vaccinated Vanaraja poultry in back yard	Poultry (TSP)	Continuing										
Malkangiri	Cultivation of oyster mushroom	Oyster mushroom					52		210		158		4.0
Malkangiri	Package of practices of ground nut	Ground nut	No. of Pods /plant	14	22	27400	31800	76360	93840	48960	62040	2.7	2.9
Malkangiri	Package of practices of greengram	Greengram	No. of Pods /plant	23	33	13450	16840	27140	38180	13690	21340	2.0	2.2
Malkangiri	Cultivation of paddy straw & oyster mushroom	Paddy straw & oyster mushroom					42 & 48 /bed		127 & 140 /bed		85 & 92 /bed		3.0 & 2.9

3.4 Information about Home Science FLDs : Nil

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
Malkangiri	Paddy	Training Field day	1 1	25 43	
Malkangiri	Paddy	Training Field day	1 1	25 35	
Malkangiri	Paddy	Training Field day	1 1	25 33	
Malkangiri	Banana	Training Field day	1 1	25 27	
Malkangiri	Paddy straw mushroom	Training Field day	1 1	25 40	
Malkangiri	Vegetables	Training Field day	1 2	25 32	
Malkangiri	Poultry (TSP)	Training Field day	4 2	100 100	

Malkangiri	Oyster mushroom	Training Field day	1 1	25 36	
Malkangiri	Ground nut	Training Field day	1 1	25 40	
Malkangiri	Greengram	Training Field day	1 1	25 40	
Malkangiri	Paddy straw & oyster mushroom	Training Field day	2 1	50 45	
Malkangiri	Pointed gourd	Training Field day	1 1	25 34	

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	**malkangiri**	**paddy**	**AJAYA**	**CRRI**	**50**	

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**

Malkangiri	Mushroom spawn should be available in the locality. Tissue culture banana var. bantal should be available in the locality due to high demand in the market. High yielding and YMV tolerant greengram should be provided by the govt. agriculture dept. Herbicides and new generation pesticides should be available in the locality and all the farmers should be trained regarding use of these chemicals.	Field visit, Personal contact, Group discussion	Drought tolerant rice variety Sahabhigi performed well Application of zinc reduced the iron toxicity in acid soil Tomato hybrid Swarna Sampad is a high yielder under staking and tolerant to wilting. Sweet corn has a high market demand than common maize. Yield of hybrid rice increased through INM. Indoxacarb application reduced the stem borer population .	All the technologies are performing well and hence can be adopted in future

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Malkangiri	**Development of stem borer resistant variety of rice**
Malkangiri	**Research for new generation pesticides having low residual toxicity**

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
Malkangiri	Farmers and farm women	Field visit, Group discussion, PRA, Interaction programme	MPV-1, MPV-2, Pedawada Pradhaniguda, , Ketriguda, Kadabahal, MV-2	300
Malkangiri	Rural youth	Field visit, Group discussion, PRA, Interaction programme	MV-2, Kadabahal, Pedawada	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	Cate-gory	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			12		13			
Malkangiri	FW	ONC	CRP	Technique of soil sample collection methods	1	1	0	0	10	4	8	3	0	0
Malkangiri	FW	ONC	SFM	Acid soil management technique	1	2	0	0	10	0	15	0	0	0
Malkangiri	FW	ONC	CRP	Integrated weed management in rice	1	2	0	0	12	0	13	0	0	0
Malkangiri	FW	ONC	CRP	Green manuring in rice	1	2	0	0	15	4	4	2	0	0
Malkangiri	RY	OFC	CRP	Seed borne diseases of paddy and their management through seed treatment	1	2	5	0	5	0	5	0	0	0
Malkangiri	RY	ONC	CRP	Fertilizer management in hybrid rice	1	2	0	0	5	5	12	3	0	0
Malkangiri	FW	ONC	PLP	Management of major pests of rice	1	1	0	0	2	7	10	6	0	0
Malkangiri	FW	ONC	PLP	Integrated disease management of major diseases in paddy	1	1	0	0	15	10	0	0	0	0
Malkangiri	FW	OFC	CRP	Improved cultivation practices of groundnut	1	2	0	0	2	3	9	11	0	0
Malkangiri	FW	OFC	PLP	Integrated disease management of Black gram and Green gram	1	1	0	0	5	5	4	11	0	0
Malkangiri	FW	OFC	PLP	Improved cultivation practices of Sweet corn	1	1	0	0	3	2	6	14	0	0
Malkangiri	FW	ONC	CRP	IDM for blast disease in paddy	1	1	0	0	2	8	12	3	0	0
Malkangiri	RY	ONC	PIS	Vermicompost production technology	1	3	0	0	0	0	15	0	0	0
Malkangiri	RY	ONC	CRP	Seed production technology	1	3	0	0	0	0	15	0	0	0
Malkangiri	IS	ONC	CRP	Organic farming for sustainable production of crops	1	2	0	0	0	0	3	0	8	4
Malkangiri	IS	ONC	CRP	EM technology for field crops	1	2	0	0	0	0	3	0	8	4

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

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

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

Table 5.4. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Dura-tion (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		
Malkangiri	Farmer-Scientist interaction programme			FW	2	1	5		10		15		12		ATMA	20000

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	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants				Sponsoring Agency	Fund received for training (Rs.)
							Gen	Others	SC	ST		

			T1)				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	
Malkangiri	Acid soil management technique	25	2	8	22	36	33,000	43,000	200 82%
Malkangiri	Fertilizer management in hybrid rice	25	3	7	42	58	32,000	54,000	80 62%
Malkangiri	Improved cultivation practices of groundnut	25	4	8	15	22	38,000	62,000	125 74%
Malkangiri	Improved cultivation practices of Sweet corn	25	2	7	32	38	46,000	90,000	15 72%
Malkangiri	Vermicompost production technology	15	2	8				15,000	13 60%
Malkangiri	Rice cum fish farming system	25	2	9			28,000	55,000	9 60%
Malkangiri	Azolla production technology	15	3	8			7,000	10,000	12 85%

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			
Malkangiri	Field Day	10	8	25	27	142	57	6	3	Awaren ess	Package of practice	Harvesting stage
Malkangiri	Kisan Mela	0								Awareness of agricultural technology		
Malkangiri	Kisan Ghosthi	10	-	-	-	-	-	-	-			
Malkangiri	Exhibition	1	1							Awareness of agricultural technology		
Malkangiri	Film Show	10	24							Awareness		
Malkangiri	Method Demonstrations	10	-	-	-	-	-	-	-			
Malkangiri	Farmers Seminar	2	-	-	-	-	-	-	-			
Malkangiri	Workshop	-	-	-	-	-	-	-	-			
Malkangiri	Group meetings	8	14	42	28	80	18	7	10	Conducting FLD, OFT and training		
Malkangiri	Lectures delivered as resource persons	-	7	127	56	120	39	5	3	Awareness of agricultural technology		
Malkangiri	Newspaper coverage	6	6	-	-	-	-	-	-			
Malkangiri	Radio talks	2	2	-	-	-	-	-	-	Informatio n on agricultural knowledge		
Malkangiri	TV talks	4	3	-	-	-	-	-	-	Informatio n on agricultural knowledge		
Malkangiri	Popular articles	4	2	-	-	-	-	-	-	Informatio n on agricultural technology		
Malkangiri	Extension Literature	12	2	-	-	-	-	-	-	Informatio n on agricultural technology		
Malkangiri	Farm advisory Services	8	-	-	-	-	-	-	-			
Malkangiri	Scientific visit to farmers field	120	127	535	265	566	120	15	9	Monitoring of KVK activities		
Malkangiri	Farmers visit to KVK	500	138	57	24	36	21	-	-	Providing		

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			
										solution to the farmers problem		
Malkangiri	Diagnostic visits	24	130	303	137	402	192	7	9	Monitoring of KVK activities and gathering knowledge of field problem		
Malkangiri	Exposure visits	0	-	-	-	-	-	-	-			
Malkangiri	Ex-trainees Sammelan							-	-			
Malkangiri	Soil health Camp	1	1	8	10	15	15	2	5	Awareness for soil testing		
Malkangiri	Animal Health Camp	1	-	44	4	38	6	6	2			
Malkangiri	Agri mobile clinic	4	-	-	-	-	-	-	-			
Malkangiri	Soil test campaigns	-	-	-	-	-	-	-	-			
Malkangiri	Farm Science Club conveners meet	-	5	22	7	27	14	-	-			
Malkangiri	Self Help Group conveners meetings	2	3	15	9	18	10	3	5	Providing knowledge		
Malkangiri	Mahila Mandals conveners meetings	4	-	-	-	-	-	-	-			
Malkangiri	Celebration of important days	3	3	15	08	45	28	3	4	Awareness		

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

7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Malkangiri				

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Malkangiri	VCD	PPV & FRA	1

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.)
Malkangiri	Cereal	Rice	Manaswani	40	120,000	35	37
	Oil seed	Sesamum	Uma	3.5	15000		

8.2 Planting Material production

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Malkangiri	Seedlings	Papaya	Red lady	8000	96000	100	2.0
Malkangiri	Seedlings	Tomato	Swarna Sampad	2000	2000	20	0.04
Malkangiri	Seedlings	Brinjal	Blue star	1400	1400	28	0.03

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.)
Malkangiri	Bio Agents	Earthworm	20		5000	20	
	Bio Agents						
Malkangiri	Bio Fertilizer	Vermin compost	200		200000	20	
	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)
Malkangiri	Bio Agents	Earthworm	20		5000	20	Malkangiri	Bio Agents

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)
		`2015	working	200	1000	25		No

10. Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	Client (PF/RY/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)
Malkangiri			Not handed over till now					

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
Malkangiri	2010-11		-	6	Not handed over till now

13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Malkangiri	**19.01.2016**	**35**	- More number of short duration rice varieties to be taken in OFT. - FLD on Brown manuring in rice - OFT on greengram varieties - Integrated nutrient management in crops including FYM, biofertilisers and chemical fertilisers. - FLD on tissue culture banana bantal, champa - Off-season mushroom cultivation - Introduction of duckery - Increase rural youth training on use of organic fertilizers. - Training to rural youths on deworming and more number of animal health camp

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.		
Malkangiri	1	20,083	35	**Farmers Portal**	Varietal introduction, soil fertility management, nutrient management, insect and pest management , irrigation management, post harvest management

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
Malkangiri	NFSM	State	20000	Farmers scientist interaction	Malkangiri, Kalimela, Korkunda and Kudumuluguma blocks	

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Malkangiri	30768858587	5570	296000	10000

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	Banana , papaya, brinjal, chilli
	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	Malkangiri	Sri Ajaya Mandal	Artificial pollination in pointed gourd	MV-8, P.O. Tamasa, Malkangiri, Ph. No. 9438022045
2	Malkangiri	Sri Prakash Pradhan	Marker for SRI	Kadabahal, Malkangiri
3.	Malkangiri	Sri Kartika Mandal	Rotational fish cultivation in fish pond and rice field	M.V-8, P.O. Tamasa, Malkangiri, Ph. No. 9438022045
4	Malkangiri	Sri Santi Dey	Artificial hatching fish fingerling using a cycle tube	MV-9, P.O. Goudagoda, Malkangiri
5	Malkangiri	Sri Ramprasad Sarkar	Rice-cum-fish farming	MPV-1, P.O. Tamasa, Malkangiri

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	06.08.2015	8
2	12.09.2015	10
3	3.10.2015	6
4	12.11.2015	5
5	3.12.2015	5
6	26.12.2015	6
7	08.01.2016	7
8	14.02.2016	4
9	06.03.2016	5

21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Malkangiri	2	3	16	20

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	Nabarangpur, Koraput	Purchase of inputs, technical manpower	

24. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Malkangiri	Dr. H.K.Sahoo	**19.01.2017**		Joint Director, Directorate of Extension, OUAT		To attend Scientific advisory committee meeting
Malkangiri	Dr. S.C. Mohapatra	**29.03.2017**		Joint Director, Directorate of Extension, OUAT, ADR, Semiliguda		To attend PPV & FRA training

25. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Malkangiri	22.05.2011	23	4012

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
1	Malkangiri	12	12	

29. Attended HRD Programmes organized by ZPD

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Malkangiri	Nigamananda Behera,	Sr, Scientist & Head	1	
	Total		1	

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

30. Attended HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Malkangiri	Sri Nigamananda Behera	Scientist (Agronomy)	1	

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Malkangiri	1	1

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
Malkangiri	Sri Nigamananda Behera	Sr, Scientist & Head	1	

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Malkangiri	1	1

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
Malkangiri	Awareness	3	75	crop related technology

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

Verms Produced

Name of KVK	Verms 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

Name of the KVK, **TITLE, Introduction,** KVK intervention, Output, Outcome, Impact

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	**Malkangiri**		**2**

SUCCESS STORY-1

SUCCESS STORY-1

1. **Name of the technology** : Introduction of off-season tomato cultivation variety, Swarna sampad

2. **Name and address of farmer :** Sri Prakash Pradhan, At-Kadabahal, Block-Malkangiri, Dist- Malkangiri.

3. **Initial Status** :

   Kadabahal is one of the adopted village of Krishi Vigyan Kendra, Malkangiri located in Malkangiri Sadar block of Malkangiri district. The total no. of farm families of this village are 87 dominated by schedule tribes. Agriculture is the primary mean of their livelihood. Rice is the main crop during kharif season with average yield of 25 q/ha. The paddy lands in the village are mostly upland which resulted in low productivity with low monetary return. Sri Jagabandhu Pangi is one of the progressive farmer of the village. He has 1 hactare of upland where he grows rice during kharif but the return from the kharif rice is not so profitable. He was in search of some alternative crop from which he can earn a very remunerative income.

   KVK – Intervention:
   Taking this in to account KVK, Malkangiri conducted a Front Line Demonstration on off-season tomato cultivation using wilt tolerant tomato variety Swarna sampad in the adopted village Kadabahal. Sri Prakash Pradhan a progressive farmer of the village Kadabahal came forward to cultivate off-season tomato variety Swarna sampad
   The training, farmers' group meeting and regular field visit were made by the scientists of KVK Malkangiri and periodic suggestions were given to the farmers to have a bumper harvest from off-season tomato cultivation.

   Output and outcome of the technology
   Sri Prakash Pradhan of the village Kadabahal a progressive farmer who follow this technology and cultivated tomato in his own field in Kharif 2013. He got a yield of 281.4 q/ha from demonstrated plot. The gross return obtained from the demonstrated plot was Rs. 2,81,400 with investment of Rs. 67,400 per hectare . He earned a net profit of Rs. 2,14,00 per ha from tomato cultivation as compared to Rs. 12,200 per ha from paddy.

Farmer's reaction and feed back

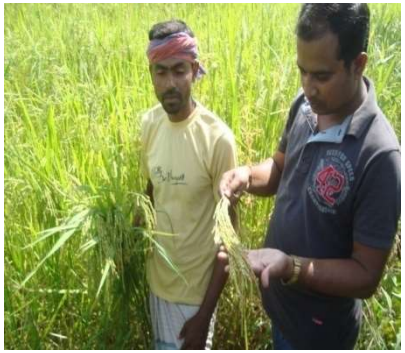
Sri Prakash pradhan is very much convinced with the performance of the off-season tomato cultivation with variety Swarnasampad.

Extent of diffusion effect of technology

Being inspired by the success of Sri Prakash pradhan,, other farmers of the village and neighbouring villages have started cultivation of tomato during kharif season in uplands.

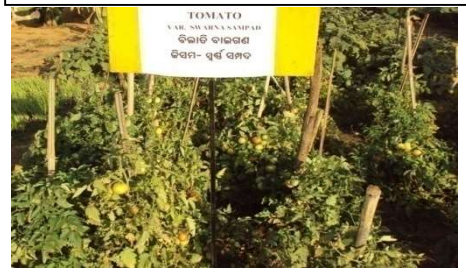
38. Well labeled Photographs for each activity of the KVK (Soft copies as well as hard copy- specially for all OFT along with the problem) –


OFT on drought tolerant rice var. Sahabhagidhan

OFT on hybrid rice var. Ajaya

OFT on zinc application for mgt. of iron toxicity in rice



OFT on Tomato var. Swarna Sampad