

# **ANNUAL PROGRESS REPORT OF THE KVK, MALKANGIRI**

**(APRIL-2012 – MARCH-2013)**

**ORISSA UNIVERSITY OF AGRICULTURE AND  
TECHNOLOGY, BHUBANESWAR**

**Contents**

<b>Sl. No.</b>	<b>Particular</b>	<b>Page No</b>
	Instructions for Filling the Format	
	Summary of achievements during the reporting period	
1	General Information	
2	On Farm Testing	
3	Achievements of Frontline Demonstrations	
4	Documentation of the need assessment conducted by the KVK for the training programme	
5	Training programmes	
6	Extension Activities	
7	Literature Developed/Published (with full title, author & reference)	
8	Production and supply of Technological products	
9	Activities of Soil and Water Testing Laboratory	
10	Rainwater Harvesting	
11	Utilization of Farmer Hostel facilities	
12	Utilization of Staff Quarter facilities	
13	Details of SAC Meeting	
14	Status of Kisan Mobile Advisory	
15	Status of Convergence with agricultural schemes	
16.	Status of Revolving Funds	
17.	Awards & Recognition	
18.	Case study and Success story	
19.	Details of KVK Agro-technological Park	
20.	Important visitors to KVK	
21.	Status of KVK Website	
22.	Status of E-connectivity	
23.	Details of Technological Week Celebration	
24.	Interventions on Drought Mitigation	
25.	Status of KVK Website	
26.	Action Photographs	

## **Instructions for Filling the Format**

- 1. Do not change/modify/ delete any column of any of the table. However, additional rows can be created, if required**
- 2. Do not merge columns, rows.**
- 3. Please repeat the name of KVK in each table in the column “Name of KVK”**
- 4. Do not fill the non-numerical values in numeric field**
- 5. Do not repeat the unit while reporting data as it is already mentioned in the heading row**
- 6. Strictly fill the data in desired unit only. If it is reported in other unit, convert it in the desired unit**
- 7. Please mention only standard English names of crops (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)**
- 8. Additional relevant information may be provided at the end of Format by creating heading “Additional Information”**
- 9. Also read the instructions mentioned just below the table**
- 10. Your suggestions for improvement in the format for your simplicity as well as data compilation may be given at the end of the format**
- 11. Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.**
- 12. Gray colour cells in summary table need not to be filled.**

## REPORTING PERIOD – April 2012 to March,2013

### Summary of achievements during the reporting period

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
KVK, Malkangiri	OFTs	15	85	9	45	
KVK, Malkangiri	FLDs – Oilseeds (activity in ha)	-	-	1	5	
KVK, Malkangiri	FLDs – Pulses (activity in ha)	-	-	1	5	
KVK, Malkangiri	FLDs – Cotton (activity in ha) FLDs- Groundnut (TSP)	-	-	-	-	
KVK, Malkangiri	FLDs – Other than Oilseed and pulse crops(activity in ha)	12	60	9	45	
KVK, Malkangiri	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	3	30	-	-	
KVK, Malkangiri	Training-Farmers and farm women	62	1550	41	1025	
KVK, Malkangiri	Training-Rural youths	18	270	7	105	
KVK, Malkangiri	Training- Extension functionaries	12	120	4	40	
KVK, Malkangiri	Extension Activities	757	3519	709	3923	
KVK, Malkangiri	Seed Production (Number of activity as seeds in quintal)	48 qtl.	-	36.1 qtl	-	-
KVK, Malkangiri	Planting material ((Number of activity as quantity of planting material in quintal)	-	-	-	-	-
KVK, Malkangiri	Seedling Production (Number of activity as number of seedlings in numbers)	15000	-	21000	-	-
KVK, Malkangiri	Sapling Production (Number of activity as number of sapling in numbers)	-	-	-	-	-
KVK, Malkangiri	Other Bio- products	-	-	-	-	-
KVK, Malkangiri	Live stock products	-	-	-	-	-
KVK, Malkangiri	SAC Meeting (Date & no. of core/official members	2	50	1	20	
KVK,	Newsletters (no.)	4	2000	4	2000	

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
<b>Malkangiri</b>						
<b>KVK, Malkangiri</b>	<b>Literature to be Developed/Published</b>	<b>8</b>	<b>4000</b>	<b>8</b>	<b>4000</b>	
<b>KVK, Malkangiri</b>	<b>Publication (Research papers, popular article)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>KVK, Malkangiri</b>	<b>Convergence programmes / Sponsored programmes</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>KVK, Malkangiri</b>	<b>KVK-ATMA Linkage programme (Number of activities)</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>100</b>	
<b>KVK, Malkangiri</b>	<b>Outreach of KVK in the District (No. of blocks, no. of villages)</b>	<b>7 Blocks, 87 Villages</b>	<b>-</b>	<b>6 blocks 112 villages</b>	<b>-</b>	
<b>KVK, Malkangiri</b>	<b>Soil sample tested</b>	<b>100</b>	<b>100</b>	<b>-</b>	<b>-</b>	
<b>KVK, Malkangiri</b>	<b>Water sample tested</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>KVK, Malkangiri</b>	<b>KMA (No. of messages &amp; beneficiaries)</b>	<b>100</b>	<b>1080</b>	<b>61</b>	<b>1005</b>	
<b>KVK, Malkangiri</b>	<b>Technological week celebration</b>	<b>16</b>	<b>480</b>	<b>6</b>	<b>280</b>	

# 1. GENERAL INFORMATION

## 1.1. Staff Position (as on date)

Name of KVK.	Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
<b>KVK, Malkangiri</b>	Programme Coordinator	Sri Surya Narayana Mishra	Plant Protection	M.Sc. (Ag.)	Entomology	15600-39100		23.08.2006	Permanent	Others
<b>KVK, Malkangiri</b>	Subject Matter Specialist1	Miss. Sunita Dandasena	Agronomy	M.Sc. (Ag.)	Agronomy	15600-39100		23.11.09	Permanent	S.T
<b>KVK, Malkangiri</b>	Subject Matter Specialist2	-	-	-	-	-	-	-	-	-
<b>KVK, Malkangiri</b>	Subject Matter Specialist3	-	-	-	-	-	-	-	-	-
<b>KVK, Malkangiri</b>	Subject Matter Specialist4	-	-	-	-	-	-	-	-	-
<b>KVK, Malkangiri</b>	Subject Matter Specialist5	-	-	-	-	-	-	-	-	-
<b>KVK, Malkangiri</b>	Subject Matter Specialist	-	-	-	-	-	-	-	-	-
<b>KVK, Malkangiri</b>	Programme Assistant	-	-	-	-	-	-	-	-	-
<b>KVK, Malkangiri</b>	Farm Manager	-	-	-	-	-	-	-	-	-
<b>KVK, Malkangiri</b>	Computer Programmer	Sri Dibyapal Pradhan	PA (Computer)	Gratuade with PGDCA	-	9,300-34,800	9,300	17.12.12	Permanent	ST
<b>KVK, Malkangiri</b>	Accountant / superintendent	-	-	-	-	-	-	-	-	-
<b>KVK, Malkangiri</b>	Stenographer	-	-	-	-	-	-	-	-	-
<b>KVK, Malkangiri</b>	Driver	Sri Chandra Sekhar Behera		HSC		5200-20500	5920	01.08.07	Permanent	S.C
<b>KVK, Malkangiri</b>	Supporting staff	Sri Budhia Behera				2,550	2605	30.07.08	Permanent	OBC
<b>KVK, Malkangiri</b>	Supporting staff	Sri Bata Naik				2,550	2605	01.08.08	Permanent	S.C

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

### 1.2.1 Malkangiri District at a Glance

Agro Climatic Zone	South Eastern Ghat Zone
Location	Chhatishgarh in North and West, Andhra Pradesh in South, Koraput district in East
Latitude	17 <sup>0</sup> 40' to 18 <sup>0</sup> 43'
Longitude	81 <sup>0</sup> 22' to 82 <sup>0</sup> 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	87 per sq km (as per 2001 census)
Total Geographical area	579100 ha( As per Dist. Statistical hand Book)
Gross cultivated area	167000 ha
Total cultivated area	141560 ha
High land	87121 ha (61.55%)
Medium land	30414 ha (21.48%)
Low land	24025 ha (16.97%)
Total Population	505000 (SC-23%, ST-55% & Other-22%)
Total Agriculture Family	91667
Total Population of Male	253000
Total Population of Female	252000
Literacy rate	30.53%
Soil Texture	Sandy loam, clay loam
Soil type	Red laterite, acidic
Fertilizer Consumption	17.78 : 8.92 : 4.82 kg NPK per hectare
Major Cropping system	Rice-Rice, Rice-Groundnut, Rice-vegetable, sesamum-Rice Rice-Maize
Predominant crop	Paddy (Area-85126 ha, average yield-20.12 q/ha), Groundnut(Area-14156 ha, average yield-21.64 q/ha)
Other crops	Sesamum, Greengram, Maize, Vegetables
Cropping intensity	126% during 2008-09
Major plantation crop	Mango, Banana
Average annual rainfall	1521.8 mm ( 75% received during June to September)
Relative Humidity	25-70%
Average Maximum Temp.	44.8 <sup>0</sup> C

DETAILS OF DISTRICT (2010-11)

**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	<p>Situated between 17<sup>0</sup> 49' and 18<sup>0</sup> 3' N latitude ;                      81<sup>0</sup> 15' and 82<sup>0</sup> 75' 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 1521.8mm                      Mostly poor acidic , red soil .                      Mono crop with rice,ragi,sesamum,groundnut and some vegetables in kharif as rainfed crops</p>

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



### 1.2.4 Soil type

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

### 1.2.5 Rainfall data (Mongh/Block wise) Year 2012-13

Month	Malkangiri	K. konda	Mathili	Khairput	K. Gumma	Kalimela	Podia	Total	Average	Normal
April-12	0.00	0.00	0.00	72.00	0.00	0.00	0.00	72.00	10.29	34.80
May-12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.10
June-12	130.60	68.00	110.00	254.00	160.00	243.00	137.00	1102.60	157.51	212.20
July-12	535.90	494.00	566.00	690.00	559.00	399.00	492.00	3735.90	533.70	465.70
Aug.-12	615.10	621.00	617.00	497.50	581.50	412.00	417.00	3761.10	537.30	472.80
Sept-12	415.80	348.00	537.00	380.50	341.00	304.20	281.00	2607.50	372.50	281.20
Oct-12	108.90	44.00	66.00	11.00	23.50	89.00	50.00	392.40	56.06	109.50
Nov-12	78.90	29.00	12.00	6.50	39.00	109.60	47.00	322.00	46.00	23.60
Dec-12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00
Jan-13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00
Feb-13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00
March-13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00
<b>Total</b>	1885.20	1604.00	1908.00	1911.50	1704.00	1556.80	1424.00	11993.50	1713.36	1651.9

### 1.2.6 Crop coverage

Sl No	Crop	Area(ha)	Production (0.000MT)	Productivity(q/ha)
1.	Total Paddy	93860	112.35	17.87
2.	Total Maize	9010	14.75	16.37
3.	Ragi	7670	5.43	7.08
4.	Arhar	1030	0.46	4.45
5.	Green gram	7200	3.3	4.2

6.	Black gram	8390	2.74	3.27
7.	Groundnut	19890	45.19	22.72
8.	Sesame	27950	13.14	4.70
9.	Mustard	450	0.16	3.6
10.	Mesta	55	3.56	11.64
11.	Chilli	1630	1.4	8.59
12.	Cowpea	5310	3.33	6.27
13.	Sweet Potato	1410	12.05	85.46
14.	Onion	150	1.26	84
15.	Other Vegetable	13170	168.69	128.08
<b>Total Vegetable</b>		<b>14730</b>	<b>182</b>	<b>123.56</b>

### 1.2.7 Livestock scenario of the district

Cow	Indian breed	428963	5.9TMt
	Cross breed	5692	5.53TMt
Bufallo	Indian breed	46890	5.381TMt
<b>Total</b>		481545	16.811TMt
Goat	Indian breed	144961	13653
Sheep	Indian breed	28545	4454 Kg/year
Pig	Indian breed	60173	-

### 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
<b>Total</b>	<b>6355</b>	<b>39737.185</b>

### 1.2.9 Block wise Fish production in the District (2010-11)

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
<b>Total</b>	<b>2856.8</b>

### 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)
KVK, Malkangiri	Ketriguda	2011	Korukonda	8kms	983	122
KVK, Malkangiri	Siadimala	2010	Korukonda	5kms	2150	150
KVK, Malkangiri	MPV-1	2011	Malkangiri	3kms	1160	120
KVK, Malkangiri	Gareiguda	2011	Malkangiri	6 kms	684	145
KVK, Malkangiri	Kadabahal	2010	Malkangiri	5kms	500	62

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

KVK Name	THRUST AREA
KVK, Malkangiri	Integrated nutrient management in Cereals, pulses and oilseeds.
KVK, Malkangiri	Integrated Pest management in different crops
KVK, Malkangiri	Replacement of Local Variety.
KVK, Malkangiri	Backyard rearing of improved goat breed, poultry and duck
KVK, Malkangiri	Mushroom cultivation
KVK, Malkangiri	Promotion of Pisciculture.
KVK, Malkangiri	Integrated Diseases Management in different crops
KVK, Malkangiri	Sustainable Agriculture.

KVK, Malkangiri	Natural Resource Management.
KVK, Malkangiri	Yield enhancement in different crops
KVK, Malkangiri	Value addition
KVK, Malkangiri	Diversification of agriculture
KVK, Malkangiri	Promotion of vermicomposting
KVK, Malkangiri	Development of integrated farming system

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

KVK Name	Problem identified	Methods of problem identification
KVK, Malkangiri	Low yield due to imbalance nutrient management	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
KVK, Malkangiri	Lack of knowledge in integrated disease and pest management in different crops	Discussion with the group of farmer, farm women and rural youth
KVK, Malkangiri	Low yield due to cultivation of local varieties	Through PRA tools, focus group discussions
KVK, Malkangiri	Low production from fishery and livestock enterprises	Through PRA tools, focus group discussions with farmers, farmwomen & line department officials
KVK, Malkangiri	Drudgery to Farm Woman	Regular meetings with the farm women
KVK, Malkangiri	Unemployed rural youth	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
KVK, Malkangiri	Post harvest loss of fruits and vegetable	Through PRA tools and Discussion with the group of farmer
KVK, Malkangiri	Low income due to rice monocropping and drought condition	Through PRA tools and Discussion with the group of farmer
KVK, Malkangiri	Low yield due to reduction of Soil fertility	Through PRA tools and Discussion with the group of farmer

## 2. On Farm Testing

### 2.1 Information about OFT

KVK name	Year/ season	Problem diagnose	Category of technology (Assess ment/ Refine ment)	Them atic Area	Crop/ enterprise	Farming Situations	Title of OFT	No. of trials	Results (with parameter)		Net Returns (Rs./ha)		Recommend ations
									Farmer practice T1	Rec. Tech T2	T1	T2	
<b>KVK, Malkangiri</b>	2012-13 kharif	Low yield due to high infestation of weed in medium land situation	Assessm ent	IWM	Rice	Medium land	Assessment IWM in Transplanted Rice	05	Tillrs/hill-7 36.4 qtl/ha	Tillrs/hill-10 42.7 qtl/ha	17,312	24,116	Can be Converted to FLD
<b>KVK, Malkangiri</b>	2012-13 kharif	Low yield due to use of local variety	Assessm ent	Varietal evalua tion	Arhar	Medium land	Assessment of HYV of Arhar	05	Yield-36qtl/ha No. of Panicles/Sqr. mtr-178.5 No .of grains/Panicle- 93.2	Yield-43 qtl/ha No. of Panicles/Sq r.mtr-248.5 No .of grains/Pani cle-107.4	16,800	22,440	Can be Converted to FLD
<b>KVK, Malkangiri</b>	2012-13 kharif	Low yield due to use of local variety	Assessm ent	Varietal evalua tion	Rice	Irrigated medium land	Assessment of Hybrid Rice	05	36.8 qtl/ha Cobs/plant: 1.57	Maize 18.6 qtl/ha. Cowpea 30.4 qtl/ha. Cobs/ plant: 1.63 Pods/plant: 33	14,500	33,580	Can be Converted to FLD
<b>KVK, Malkangiri</b>	2012-13 Kharif	Low yield due to high incidence of Blast in Rice	Assess ment	IDM	Rice	Medium land	Assessment of Tricyclazole for management of Blast in Paddy	5	19.8 qtl/ha No. pods/plant: 19.6	24.4 qtl/ha No. pods/plant: 24.7	33,400	45,500	Can be Converted to FLD
<b>KVK, Malkangiri</b>	2012-13 Kharif	Low yield of Brinjal due to heavy infestation of Shoot & Fruit Borrer	Assess ment	IPM	Brinjal	Irrigated Upland	Assessment of IPM for Shoot & Fruit borer in Brinjal	10	Continuing				
<b>KVK, Malkangiri</b>	2012-13 Kharif	Un- availability of Coriander	Assess ment	Varietal evalua tion	Coriander	Irrigated Upland	Assessment of Coriander	10	Yield -37.3 qtl/ha	Yield - 44.6 qtl/ha	18,284	24,668	

		leaves to meet high market demand in Kharif		ation			seed Variety: Karishma		No. of freshly damaged leaves/ hill -4.3 No.of larvae /tiller -1.2	No. of freshly damaged leaves/ hill - 2.6 No.of larvae /tiller -0.7			
<b>KVK, Malkangiri</b>	2012-13 Rabi	Low yield due to improper nutrient management	Assessment	INM	Green Gram	Rainfed low land	Assessment of weedicide Imazithapyr in ground nut	10	86.8 qtls/ha % of infestation: 32.4	112 qtls/ha % of infestation: 14	56,640	84,400	
<b>KVK, Malkangiri</b>	2012-13 Rabi	Low yield due to high incidence of Downy Mildew in Pointed gourd	Assessment	IDM	Pointed gourd	Irrigated medium land	Assessment of Thiophinate methyl and chlorothalonil for management of Downy Mildew in Pointed gourd	10	Labour required (w.mandays/qt) 0.86 Heart rate: (bits/min)-92	Labour required (w.mandays/qt) 0.52 Heart rate: (bits/min)-84			
<b>KVK, Malkangiri</b>	2012-13 Rabi	Low yield due to heavy infestation of Tomato Fruit Borer	Assessment	IPM	Tomato	Irrigated Upland	Assessment of IPM for control of Fruit Borer in Tomato	5	-	2.2 qtl/ 100 beds Per bed: 2.2 kg First plucking: 1.2 kg Second plucking: 600 gm. Third plucking: 400 gm.	-	11,900	



<b>KVK, Malkangiri</b>	Assessment of Coriander seed Variety: Karishma	Yield	37.3	44.6												
		No. of freshly damaged leafs/ hill -	4.3	2.6	22000	23500		40284	48168		18,284	24,668		1.83	2.04	
		No.of larvae /tiller	1.2	0.7												
<b>KVK, Malkangiri</b>	Assessment of weedicide Imazithapyr in ground nut	Yield –Qtl/ha.	112	87.2												
		% fruit infestation	4.7	17.8	48000	50000		104640	134400		56,640	84,400		2.18	2.68	
<b>KVK, Malkangiri</b>	Assessment of Thiophinate methyl and chlorothalonil for management of Downy Mildew in Pointed gourd	Maize shelling Kg per hour	3.0	1.75												
		Labour required (w.mandays/qt)	0.52	0.86												
		Heart rate: (bits/min)-	84	92												
<b>KVK, Malkangiri</b>	Assessment of IPM for control of Fruit Borer in Tomato	Kg per bed	2.2													
		BC ratio	4.4			3500/100beds				15400		-	11,900		-	4.4

## 2.2 Feedback from KVK to Research System

Name of KVK	Feedback
<b>KVK, Malkangiri</b>	<ol style="list-style-type: none"> <li>1. Development of YMV resistance varieties in Okra, Green gram</li> <li>2. Trial on new generation pesticides having low residual toxicity in vegetables.</li> <li>3. Development of women friendly drudgery reducing implements.</li> <li>4. Availability of seeds of Oilseed and Pulses.</li> </ol>



### 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
<b>KVK, Malkangiri</b>	Paddy	Varietal evaluation	Use of certified seed of variety “Pratikhya”	Exposure visit, FLD, film/CD shows, training, field days	8	56	48
<b>KVK, Malkangiri</b>	Paddy (SRI)	ICM	SRI method of Rice cultivation	Exposure visit, FLD, film/CD shows, training, field days	12	82	94
<b>KVK, Malkangiri</b>	Sesamum	Varietal evaluation	Use of HYV “Prachi”	Exposure visit, FLD, film/CD shows, training, field days	4	22	16
<b>KVK, Malkangiri</b>	INM in Maize	INM	N:P2O5:K2O= 170:80:80Kg/ha, ZnSO4= 25 Kg/ha	Exposure visit, FLD, film/CD shows, training, field days	4	24	28
<b>KVK, Malkangiri</b>	IFS	IFS	Vegetable seedlings, ducklings, poultry chicks, fingerlings	Exposure visit, FLD, film/CD shows, training, field days	16	38	52
<b>KVK, Malkangiri</b>	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 Endosulphan followed by Thiomethoxam	Exposure visit, FLD, film/CD shows, training, field days	6	41	53
<b>KVK, Malkangiri</b>	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	7	48	62
<b>KVK, Malkangiri</b>	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	3	25	38
<b>KVK, Malkangiri</b>	Paddy	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 Acetamepid @ 150 gm/ha	Exposure visit, FLD, film/CD shows, training, field days	4	42	67
<b>KVK, Malkangiri</b>	Chilli	IPM	Alternate spraying of Thiomethoxam25WG@100gm/ha. and	Exposure visit, FLD, film/CD shows, training, field days	6	24	33

			Acetameprid @150gm/ha				
<b>KVK, Malkangiri</b>	Paddy	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	7	45	82
<b>KVK, Malkangiri</b>	Cabbage	IPM	Growing of Mustard as trap crop with cabbage in (2:16) rows, Use of pheromone trap, Alternate spraying of Fipronil 5SC@ 800 ml / ha with BT ( <i>Bacillus thuringiensis</i> ) @ 1 ltr / ha at 30 and 45 Days after transplanting.	Exposure visit, FLD, film/CD shows, training, field days	8	27	38
<b>KVK, Malkangiri</b>	Okra	ICM	Spacing : 60 X 30, N:P:K- 80:40:40, application NAA @ 5 ml./15lt. water thrice after fruit set.	Exposure visit, FLD, film/CD shows, training, field days	4	28	32
<b>KVK, Malkangiri</b>	Brinjal	Varietal evaluation	Spacing : 60 X 60, N:P:K- 120:60:60	Exposure visit, FLD, film/CD shows, training, field days	3	22	33
<b>KVK, Malkangiri</b>	Pointed gourd	Varietal evaluation	Light green fruit with blunt end, 58 cm long, thin skinned, Avg. yield=230 q/ha	Exposure visit, FLD, film/CD shows, training, field days	3	18	22
<b>KVK, Malkangiri</b>	Poultry	Evaluation of breeds	Rearing of improved breed of poultry (Banaraj)	Exposure visit, FLD, film/CD shows, training, field days	6	36	-
<b>KVK, Malkangiri</b>	Pisciculture	Small scale income generating activities	Release of 3000 yearling/ ha.	Exposure visit, FLD, film/CD shows, training, field days	4	11	18
<b>KVK, Malkangiri</b>	Duckery	Integrated duck and fish farming	Rearing of improve duck breed	Exposure visit, FLD, film/CD shows, training, field days	2	12	-
<b>KVK, Malkangiri</b>	Paddy	Mushroom cultivation	Growing of mushroom in bed using spawn atrw and wheatfloor	Exposure visit, FLD, film/CD shows, training, field days	6	39	-
<b>KVK, Malkangiri</b>	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	8	67	-

### 3.2 Details of FLDs implemented

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety/Tech nology/Entrep rizes	Results (q/ha)		% change	No. of farmers				
							Demo ns	Check		SC	ST	OBC	Others	Total
<b>KVK, Malkangiri</b>	Varietal evaluation	Rice	Kharif 2012-13	HYV of rice Mandakini	1ha	HYV of rice Mandakini	46.5	40	16.25	1	4			5
<b>KVK, Malkangiri</b>	Varietal evaluation	Rice	Kharif 2012-13	HYV of rice Nabeen	1ha	HYV of rice Nabeen	57	39	46	3	2			5
<b>KVK, Malkangiri</b>	IPM	Paddy	2012-13 Kharif	Use of Tricho cards @ 5 cards/ha., Spraying of Triazophos @ 1 lit/ha. for management of Leaf folder	2 ha.	MTU-1001	6.05	4.1	47	2	2		1	5
<b>KVK, Malkangiri</b>	IPM	Okra	2012-13 Late-Kharif	Alternet spraying of Neem oil @ 2.5 lt/ ha., BT 1lit./ha., & need based application of Propenophos @ 1 lit/ha., after 45 DAS	1 ha.	Vijaya	38.5	31.4	22.54	3	2			5
<b>KVK, Malkangiri</b>	Varietal Evaluation	Brinjal	2012-13 Kharif	Use of HYV of Brinjal-Var. Blue Star	1 ha	Blue star								
<b>KVK, Malkangiri</b>	IFS	IFS	Rabi 2012-13	Fingerlings,vegeta ble seedlings,	1ha	-	7.2	4.8	51.6	1	5	4		10
<b>KVK, Malkangiri</b>	IWM	Groundnut	Pre rabi 2012-13	Oxyflorfen 80ml/acre	1ha	Smruti	25.5	19.21	32.7	7	3			10

	IPM	Groundnut	2012-13 Rabi	Monitoring of Gram Caterpillar using Pheromon trap @ 5/hac., use of 10 Helilures/hac. Thrice at 10 days interval + Trichocards 3/hac.+ HNPV 250 LE/hac.+ Neem oil @ ml/lit.	1 ha.	Smruti	25.8 8	19.39	33.5	10			10
<b>KVK, Malkangiri</b>	IPM	Chilli	2012-13 Late-Rabi	Alternate spraying of Thiamethoxam 5WG@100gm/ha and Imidacloprid 4ml/10lit twice at 10 dyas interval	1ha.	Local	43.9	33.2	33.2	2	3		5

### 3.3 Economic Impact of FLD

KVK Name	Name of Crop/Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check
<b>KVK, Malkangiri</b>	Rice	HYV of rice Mandakini	Yield	46.5	40	24,000	24,000	50,220	43,200	26,220	19,200	2.09	1.8
			No. of Panicles/Sqr.mtr	183.3	206.3								
			No. of grains/Panicle	-99.1	106								
<b>KVK, Malkangiri</b>	Rice	HYV of rice Nabeen	Yield	57	39	24,560	23,100		42120		19,000	2.85	1.98
			No. of Panicles/Sqr.mtr	222.4	180.2			61560		37,000			
			No. of grains/Panicle	107.2	91.1								

<b>KVK, Malkangiri</b>	Paddy	Use of Tricho cards @ 5 cards/ha., Spraying of Triazophos @ 1 lit/ha. for management of Leaf folder	No of capsules /plant Yield	57.4 6.05	38.6 4.1	12,000	12,000	24,200	16400	12,200	4,400	2.02	1.36
<b>KVK, Malkangiri</b>	Okra	Alternet spraying of Neem oil @ 2.5 lt/ ha., BT 1lit./ha., & need based application of Propenophos @ 1 lit/ha., after 45 DAS	yield No of cobs/plant	38.5 1.73	28.6 1.23	24,000	22,000	50,050	37,180	26,050	15,180	2.13	1.74
<b>KVK, Malkangiri</b>	Brinjal	Use of HYV of Brinjal-Var. Blue Star	Continuing										
<b>KVK, Malkangiri</b>	IFS	Fingerlings,vegetable seedlings,	Yield No. of pods / plant	7.2qtl 68 nos.	4.8qtl 42 nos.	14,500	13,000	36,000	24,000	21,500	11,000	2.48	1.8
<b>KVK, Malkangiri</b>	Ground nut	Oxyflorfen 80ml/acre	Yield (qtl/ha) No. of pods / plant No. of branches/plant	25.5 25.8 5.2	19.21 19.5 3.9	29,500	27,000	76,500	57,630	47,000	30,630	2.59	2.13
<b>KVK, Malkangiri</b>	Groun dnut	Monitoring of Gram Caterpillar using Pheromon trap @ 5/hac., use of 10 Helilures/hac. Thrice at 10 days interval + Trichocards 3/hac.+ HNPV 250 LE/hac.+ Neem oil @ ml/lit.	Yield No. of pods / plant No. of branches/plant	25.88 26.1 5.4	19.39 19.4 4.1	29,500	27,000	77,640	58,170	48,140	31,170	2.63	2.15
<b>KVK, Malkangiri</b>	Chilli	Alternate spraying of Thiamethoxam 5WG@100gm/hand Imidacloprid 4ml/10lit twice at 10 dyas interval	Yield- No. of hoppers/plant	43.9 14	33.2 6	23000	22000	47412	35856	24,412	13,856	2.06	1.63

### 3.4 Feedback of the Farmers

Name of KVK	Feedback
KVK, Malkangiri	<ol style="list-style-type: none"> <li>1. Farmers appreciated the technologies demonstrated by the KVK.</li> <li>2. Availability of various seeds, bio fertilizers, bio pesticides, Banaraj chicks and Khaki Campbell ducklings etc.</li> <li>3. Cost of hybrid seeds is very high.</li> <li>4. Develop some wilt resistant Solanaceous vegetables.</li> </ol>

### 3.5 Training and Extension activities under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
KVK, Malkangiri	Poultry ( Bana Raja)	Field days	-	-	
		Farmers Training	-	-	
		Media coverage	-	-	
		Training for extension functionaries	-	-	
KVK, Malkangiri	Pisciculture	Field days	-	-	
		Farmers Training	-	-	
		Media coverage	-	-	
		Training for extension functionaries	-	-	
KVK, Malkangiri	Duckery	Field days	-	-	
		Farmers Training	-	-	
		Media coverage	-	-	
		Training for extension functionaries	-	-	
KVK, Malkangiri	Mushroom	Field days	-	-	
		Farmers Training	-	-	
		Media coverage	-	-	
		Training for extension functionaries	-	-	
KVK, Malkangiri	Nutritional garden	Field days	-	-	
		Farmers Training	-	-	

		Media coverage	-	-	
		Training for extension functionaries	-	-	
<b>KVK, Malkangiri</b>	Paddy	Field days	3	150	
		Farmers Training	11	275	
		Media coverage	-	-	
		Training for extension functionaries	1	10	
<b>KVK, Malkangiri</b>	Groundnut	Field days	4	200	
		Farmers Training	7	175	
		Media coverage	-	-	
		Training for extension functionaries	2	20	
<b>KVK, Malkangiri</b>	Paddy (SRI)	Field days	-	-	
		Farmers Training	1	25	
		Media coverage	-	-	
		Training for extension functionaries	-	-	
<b>KVK, Malkangiri</b>	Sesamum	Field days	-	-	
		Farmers Training	2	50	
		Media coverage	-	-	
		Training for extension functionaries	1	10	
<b>KVK, Malkangiri</b>	INM	Field days	-	-	
		Farmers Training	1	25	
		Media coverage	-	-	
		Training for extension functionaries	-	-	
<b>KVK, Malkangiri</b>	IFS	Field days	1	50	
		Farmers Training	2	50	
		Media coverage	-	-	
		Training for extension functionaries	1	10	
<b>KVK, Malkangiri</b>	Green gram	Field days	1	50	
		Farmers Training	3	75	
		Media coverage	-	-	
		Training for extension functionaries	-	-	
<b>KVK, Malkangiri</b>	Groundnut (TSP)	Field days	-	-	
		Farmers Training	-	-	
		Media coverage	-	-	
		Training for extension functionaries	-	-	
<b>KVK, Malkangiri</b>	Chilli	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	-	-	
		Training for extension functionaries	-	-	
<b>KVK, Malkangiri</b>	Okra	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	-	-	
		Training for extension functionaries	-	-	

<b>KVK, Malkangiri</b>	Cabbage	Field days	-	-	
		Farmers Training	1	25	
		Media coverage	-	-	
		Training for extension functionaries	-	-	
<b>KVK, Malkangiri</b>	Brinjal	Field days	-	-	
		Farmers Training	2	50	
		Media coverage	-	-	
		Training for extension functionaries	-	-	
<b>KVK, Malkangiri</b>	Pointed gourd	Field days	-	-	
		Farmers Training	1	25	
		Media coverage	-	-	
		Training for extension functionaries	-	-	

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

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. Of participants involved
<b>KVK, Malkangiri</b>	Farmer and Farm women	Interview, questionnaire, schedules, bench mark studies, Focus group discussions	Jhulanbahal,MPV-1, Panarguda ,Roulguda , MV-8, MV-43 , Rasabeda, Lamataputin villages in different dates	320
<b>KVK, Malkangiri</b>	Rural youth	Interview, questionnaire, schedules, interaction, observation	KVK, Campus, adopted villages in different dates	88
<b>KVK, Malkangiri</b>	In- service	Interview, questionnaire, schedules, interaction, consultation with line department officials, Gap analysis	KVK, Campus, DDA office, CDVO Office, Horticulture office in different dates	32

#### 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
<b>Thematic Areas for Training</b>	
CRP	Crop Production
HOV	Horticulture – Vegetable Crops
HOF	Horticulture-Fruits
HOO	Horticulture- Ornamental Plants
HOP	Horticulture- Plantation crops









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		
<b>KVK, Malkangiri</b>	FW	OFC	PLP	Integrated management of Capsule borer in Sesamum	1	1								
<b>KVK, Malkangiri</b>	FW	ONC	WOE	Backyard poultry rearing	1	2								
<b>KVK, Malkangiri</b>	FW	OFC	WOE	Formation and management of SHGs	1	1								
<b>KVK, Malkangiri</b>	FW	OFC	WOE	Vermi composting	1	1								

**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	
<b>KVK, Malkangiri</b>	Bee keeping	Enterprise	Diversification of agriculture	3							
<b>KVK, Malkangiri</b>	Production of Vermin culture, Vermin compost and Vermin wash	Enterprise	Promotion of vermin composting	3							
<b>KVK, Malkangiri</b>	Crap Fry & fingerling production	Enterprise	Promotion of Pisciculture	3							
<b>KVK, Malkangiri</b>	Goat & Sheep rearing.	Enterprise	Diversification of agriculture	3							
<b>KVK, Malkangiri</b>	Seed Production in Ground Nut	Enterprise	Diversification of agriculture	3							
<b>KVK, Malkangiri</b>	IFS	Enterprise	Diversification of agriculture	3							
<b>KVK, Malkangiri</b>	Seed production in paddy	Enterprise	Diversification of agriculture	3							

**Table 5.3.** Details of training programme conducted for livelihood security in rural areas by the KVKs (No)

Name of KVK	Training title	Self employed after training			Number of persons employed elsewhere
		Type of units	Number of units	Number of persons employed	
<b>KVK, Malkangiri</b>	-	-	-	-	-
<b>KVK, Malkangiri</b>	-	-	-	-	-

**Table 5.4. Sponsored Training Programmes (No)**

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

**Table 5.5 Training Programmes for Panchayatiraj Institutions Office-bearers & members (No)**

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

**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	
<b>KVK, Malkangiri</b>	Scientific management of Mango orchards	25	3	7					12 66%
<b>KVK, Malkangiri</b>	Cultivation of Pointed gourd in raised bed and trellies	25	2	7					16 85%
<b>KVK, Malkangiri</b>	Nursery management of solanaceous vegetables	25	3	8					26 66%
<b>KVK, Malkangiri</b>	Scientific cultivation of Brinjal	25	4	9					16 57%
<b>KVK, Malkangiri</b>	Nursery raising in low cost poly house	25	3	8					8nos. 34%
<b>KVK, Malkangiri</b>	IWM in transplanted Rice	25	5	8					15nos. 56%

<b>KVK, Malkangiri</b>	Integrated Farming System	25	6	10				19 67%
<b>KVK, Malkangiri</b>	Improved cultivation practice of Arhar in medium land	25	4	9				15 76%
<b>KVK, Malkangiri</b>	Improved cultivation practice of Hybrid Rice	25	3	8				19 67%
<b>KVK, Malkangiri</b>	Integrated weed management in Maize	25	4	9				12 68%
<b>KVK, Malkangiri</b>	Improved cultivation practice of Rice in medium land	25	5	9				16 56%
<b>KVK, Malkangiri</b>	IWM in Ground nut	25	2	8				12 65%
<b>KVK, Malkangiri</b>	IWM in cereals and oil seeds	10	4	8				10 46%
<b>KVK, Malkangiri</b>	INM in major cereals,pulses and oilseed crops	10	3	8				18 59%
<b>KVK, Malkangiri</b>	SRI method of Rice cultivation	25	3	8				6 78%
<b>KVK, Malkangiri</b>	Use of Green manures and biofertiliser in Rice	25	4	8				2 56%
<b>KVK, Malkangiri</b>	Paddy cum fish farming system	25	2	9				6 56%
<b>KVK, Malkangiri</b>	Improved cultivation practice of Hybrid Rice	25	4	9				23 56%
<b>KVK, Malkangiri</b>	Seed production of Ground nut	25	3	8				29 69%
<b>KVK, Malkangiri</b>	INM in ground nut	25	3	9				17 56%
<b>KVK, Malkangiri</b>	Improved cultivation practice of Ground nut	25	5	10				18 60%
<b>KVK, Malkangiri</b>	Improved cultivation practice of Sesamum	25	2	8				13 68%
<b>KVK, Malkangiri</b>	Use of Neem based pesticides in Rice and brinjal	25	3	9				14 78%
<b>KVK, Malkangiri</b>	Preparation and use of Botanical spray fluids (Neem, Karanj) in vegetables	25	2	7				12 65%

<b>KVK, Malkangiri</b>	Integrated management of Blast and Sheath blight in Paddy	25	2	6					13 60%
<b>KVK, Malkangiri</b>	Integrated management of Diamond back Moth and head borer in cole crops	25	1	7					3 40%
<b>KVK, Malkangiri</b>	Integrated Management of Fungal, bacterial and Nematode wilt in Tomato	25	4	10					24 78%
<b>KVK, Malkangiri</b>	Management of Okra shoot & fruit borer and Tomato Fruit borer	25	3	8					21 66%
<b>KVK, Malkangiri</b>	Integrated management of leaf folder and case worm in Pady	25	2	6					17 56%
<b>KVK, Malkangiri</b>	Integrated management of hoppers and fruit flies of Mango	25	1	7					10 58%
<b>KVK, Malkangiri</b>	Integrated management of leaf minor and gram cater pillar in Groundnut	25	2	6					7 55%
<b>KVK, Malkangiri</b>	Integrated management of Pest and disease in Paddy	10	3	7					24 80%
<b>KVK, Malkangiri</b>	Integrated watershed Management	10	5	8					24 80%
<b>KVK, Malkangiri</b>	Integrated fruit fly management in Pointedgourd	25	2	6					13 56%
<b>KVK, Malkangiri</b>	Integrated Galmidge management in Paddy	25	3	8					14 66%
<b>KVK, Malkangiri</b>	Integrated management of WBPH/BPH in Rice	25	2	8					18 76%

<b>KVK, Malkangiri</b>	Integrated management of Maize borer	25	3	8					5 86%
<b>KVK, Malkangiri</b>	Integrated management of YMV in Green gram	25	2	8					4 56%
<b>KVK, Malkangiri</b>	Integrated management of Thrips and mites in chilli	25							
<b>KVK, Malkangiri</b>	Integrated management of Capsule borer in Sesamum	25							
<b>KVK, Malkangiri</b>	Backyard poultry rearing	25							
<b>KVK, Malkangiri</b>	Formation and management of SHGs	25							
<b>KVK, Malkangiri</b>	Vermi composting	25							
<b>KVK, Malkangiri</b>	Bee keeping	15							
<b>KVK, Malkangiri</b>	Production of Vermin culture, Vermin compost and Vermin wash	15							
<b>KVK, Malkangiri</b>	Crap Fry & fingerling production	15							
<b>KVK, Malkangiri</b>	Goat & Sheep rearing.	15							
<b>KVK, Malkangiri</b>	Seed Production in Ground Nut	15							
<b>KVK, Malkangiri</b>	IFS	15							
<b>KVK, Malkangiri</b>	Seed production in paddy	15							



## 6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
<b>KVK, Malkangiri</b>	Field Day	21	20	56	78	540	295	31		On the principle of seeing is believing	Prachi, Pratiksha, Naveen, IPM, ICM, Swarna aloukik, blue star, Green gram, Groundnut	Maturity, cob stage
<b>KVK, Malkangiri</b>	Kisan Mela	1	2	20	18	188	34	28		Popularization of proven technology		
<b>KVK, Malkangiri</b>	Kisan Ghosthi	2	2	18	4	57	15	6	-			
<b>KVK, Malkangiri</b>	Exhibition	2	2	46	24	188	49	43		Seeing is believing		
<b>KVK, Malkangiri</b>	Film Show	12	48	256	44	1890	289	21		Awareness		
<b>KVK, Malkangiri</b>	Method Demonstrations	2	7	14	18	92	18	5		Learning by doing		
<b>KVK, Malkangiri</b>	Farmers Seminar											
<b>KVK, Malkangiri</b>	Workshop											
<b>KVK, Malkangiri</b>	Group meetings	4	4	33	12	98	57			Identification and prioritization of problems		
<b>KVK, Malkangiri</b>	Lectures delivered as resource persons	-	8	45	21	123	61			Capacity building		
<b>KVK, Malkangiri</b>	Newspaper coverage	4	8							Popularization of new technologies and highlighting KVK activities		
<b>KVK, Malkangiri</b>	Radio talks	4	10							Information dissemination and highlighting		

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				
											g KVK activities		
<b>KVK, Malkangiri</b>	TV talks	1	1								Information dissemination and highlighting KVK activities		
<b>KVK, Malkangiri</b>	Popular articles	1	1								Popularization of new technologies and highlighting KVK activities		
<b>KVK, Malkangiri</b>	Extension Literature	4	8								To disseminate new knowledge among the farming community		
<b>KVK, Malkangiri</b>	Farm advisory Services	4	19	87	-	27	-						
<b>KVK, Malkangiri</b>	Scientific visit to farmers field	96	129	27	7	239	11				To monitor FLDs/OFTs and training		
<b>KVK, Malkangiri</b>	Farmers visit to KVK	120	261	36	4	187	38				To get solutions for different farm issues		
<b>KVK, Malkangiri</b>	Diagnostic visits	8	18	42	8	187	6				To encounter disease and pest related issues		
<b>KVK, Malkangiri</b>	Exposure visits	2	1	1		5	1						
<b>KVK, Malkangiri</b>	Ex-trainees Sammelan	2	2	16	7	57	20				To follow up the impact of training		

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			
KVK, Malkangiri	Soil health Camp											
KVK, Malkangiri	Animal Health Camp	4	4	2	-	167	31			Vaccination and health checkup of animals		
KVK, Malkangiri	Agri mobile clinic	2	1	-	-	49	12					
KVK, Malkangiri	Soil test campaigns											
KVK, Malkangiri	Farm Science Club conveners meet											
KVK, Malkangiri	Self Help Group conveners meetings											
KVK, Malkangiri	Mahila Mandals conveners meetings											
KVK, Malkangiri	Celebration of important days	2	2	12	15	72	101			Celebration of Akshaya Tritiya & Women in agriculture day		

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

### 7.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
KVK, Malkangiri		Quarterly		
KVK, Malkangiri	April-June	Quarterly	500	500
KVK, Malkangiri	July- September	Quarterly	500	500
KVK, Malkangiri	October-December	Quarterly	500	500
KVK, Malkangiri	January- March	Quarterly	500	500

### 7.2 Literature developed/published

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
KVK Name	Type	Title	Author's name	Number of copies
KVK, Malkangiri		Unata padhati re Badam Chasa	Sunita dandasena	
KVK, Malkangiri		Dhana phasala re samanwita sara parichalana	Sunita dandasena	
KVK, Malkangiri		Jia khata prastuti ebam ehara upadeyata		
KVK, Malkangiri				
KVK, Malkangiri				
KVK, Malkangiri				
KVK, Malkangiri				

### 7.3 Details of Electronic Media Produced(No)

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



## 8.2 Planting Material production

KVK Name	Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
						Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
<b>KVK, Malkangiri</b>	Vegetables/ fruits	Papaya	Dec.2011 and feb.2012	2.1.2012 and 30 03 2012		Honey dew		1000	2000	3000	
<b>KVK, Malkangiri</b>		Drumstick				PKM-1		1000	2000	3000	
<b>KVK, Malkangiri</b>		Brinjal				Green star		5000	1300	2500	
<b>KVK, Malkangiri</b>		Chilli				Utkala Ava		5000	1300	2500	
<b>KVK, Malkangiri</b>		Tomato				BT-10		5000	1300	2500	

## 8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,) (NA)

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
<b>KVK, Malkangiri</b>	BIOAGENTS				
<b>KVK, Malkangiri</b>	BIOFERTILIZERS				
<b>KVK, Malkangiri</b>	BIO PESTICIDES				

## 8.4 Livestock and fisheries production (NA)

KVK Name	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
<b>KVK, Malkangiri</b>	Cattle						
<b>KVK, Malkangiri</b>	Buffalo						
<b>KVK, Malkangiri</b>	Sheep and Goat						
<b>KVK, Malkangiri</b>	Poultry						
<b>KVK, Malkangiri</b>	Fisheries						
<b>KVK, Malkangiri</b>	Others (Specify)						

**9. Activities of Soil and Water Testing Laboratory (NA)**

Status of establishment of Lab : YES/NO, If yes, then

Year of establishment : -

**9.1 Details of soil & water samples analyzed so far :**

KVK Name	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
KVK, Malkangiri					
KVK, Malkangiri					

**10. Rainwater Harvesting(NA)**

**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/STParticipants		
					Male	Female	Total	Male	Female	Total
KVK, Malkangiri										
KVK, Malkangiri										
KVK, Malkangiri										

**11. Utilization of Farmers Hostel facilities (Hostel is under construction)**

Accommodation available (No. of beds) :

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)
KVK, Malkangiri							
KVK, Malkangiri							
KVK, Malkangiri							

## 12. Utilization of Staff Quarters facilities (Under construction)

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
KVK, Malkangiri					
KVK, Malkangiri					
KVK, Malkangiri					

## 13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
KVK, Malkangiri	24-06-2011	25	
KVK, Malkangiri			
KVK, Malkangiri			

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

KVK Name	No. of messages sent	No. of beneficiary		Major recommendations
		Farmers	Ext. Pers.	
KVK, Malkangiri				
KVK, Malkangiri	28	1005	56	Plant protection, animal husbandry, new schemes, agronomical practices, fishery etc.
KVK, Malkangiri				



15. Status of Convergence with various agricultural schemes (Central & State sponsored) NA

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
KVK, Malkangiri	ATMA					
KVK, Malkangiri	MNREGA					
KVK, Malkangiri	NHM					
KVK, Malkangiri	RKVY					
KVK, Malkangiri	DRDA					
KVK, Malkangiri	Zila Panchyat					
KVK, Malkangiri	Seed village					
KVK, Malkangiri	NAIP					
KVK, Malkangiri	Climate Change					
KVK, Malkangiri	Others (Plz. Specify)					

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.) 1-4-2011	Closing balance (Rs.) 31-03-2112	Current status (Rs.) 31-03-2112
KVK, Malkangiri	30768858587	35,190	74,774	74,774
KVK, Malkangiri				
KVK, Malkangiri				

17. Awards & Recognitions

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

18. Case study and Success Story – Two best only in the following format

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

### 19. Details of KVK Agro-technological Park (NA)

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

### 20. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
KVK, Malkangiri			
KVK, Malkangiri			

### 21. Status of KVK Website: Available

### 22. E-CONNECTIVITY(NA)

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			
KVK, Malkangiri							
KVK, Malkangiri							

## 23. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS (NA)

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
KVK, Malkangiri	Gosthies (Farmer Scientist interaction)	1	50	
KVK, Malkangiri	Lectures organized (Awareness cum training on Soil health management)	1	25	
KVK, Malkangiri	Exhibition	1	100	
KVK, Malkangiri	Film show	4	245	
	Animal Health Camp	1	50	
KVK, Malkangiri	Fair			
KVK, Malkangiri	Farm Visit (Placard show )	1	65	
KVK, Malkangiri	Diagnostic Practical's			
KVK, Malkangiri	Distribution of Literature (No.)			
KVK, Malkangiri	Distribution of Seed (q)			
KVK, Malkangiri	Distribution of Planting materials (No.)	200	50	
KVK, Malkangiri	Bio Product distribution (Kg)			
KVK, Malkangiri	Bio Fertilizers (q)			
KVK, Malkangiri	Distribution of fingerlings (No)			
KVK, Malkangiri	Distribution of Livestock specimen (No.)			
KVK, Malkangiri	Total number of farmers visited the technology week		585	

## 24. INTERVENTIONS ON DROUGHT MITIGATION (NA)

Introduction of alternate crops/varieties

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
KVK, Malkangiri			
KVK, Malkangiri			
KVK, Malkangiri			

## Major area coverage under alternate crops/varieties

Mane of KVK	Crops	Area (ha)	Number of beneficiaries
<b>KVK, Malkangiri</b>	Oilseeds		
<b>KVK, Malkangiri</b>	Pulses		
<b>KVK, Malkangiri</b>	Cereals		
<b>KVK, Malkangiri</b>	Vegetable crops		
<b>KVK, Malkangiri</b>	Tuber crops		
<b>KVK, Malkangiri</b>	Fruits		
<b>KVK, Malkangiri</b>	Spices		
<b>KVK, Malkangiri</b>	Cotton		
<b>KVK, Malkangiri</b>			
<b>KVK, Malkangiri</b>			
<b>KVK, Malkangiri</b>	<b>Total</b>		

## Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No.of participants
<b>KVK, Malkangiri</b>	Dairy Management	5	119
<b>KVK, Malkangiri</b>	Disease management		
<b>KVK, Malkangiri</b>	Feed and fodder technology		
<b>KVK, Malkangiri</b>	Poultry management		
<b>KVK, Malkangiri</b>			
<b>KVK, Malkangiri</b>			

## Animal health camps organised

Name of KVK	Number of camps	No.of animals	No.of farmers
<b>KVK, Malkangiri</b>	5	861	158
<b>KVK, Malkangiri</b>			
<b>KVK, Malkangiri</b>			

## Seed distribution in drought hit states(No)

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
<b>KVK, Malkangiri</b>				
<b>KVK, Malkangiri</b>				
<b>KVK, Malkangiri</b>				

## Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
<b>Seedlings</b>				
<b>KVK, Malkangiri</b>				
<b>KVK, Malkangiri</b>				
<b>KVK, Malkangiri</b>				
<b>KVK, Malkangiri</b>				
<b>KVK, Malkangiri</b>				

## Bio-control Agents(NA)

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
<b>KVK, Malkangiri</b>				

## (e) Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
<b>KVK, Malkangiri</b>				
<b>KVK, Malkangiri</b>				
<b>KVK, Malkangiri</b>				
<b>KVK, Malkangiri</b>				
<b>KVK, Malkangiri</b>				

**(f) Verms Produced(Under construction)**

Name of KVK	Verms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
<b>KVK, Malkangiri</b>				
<b>KVK, Malkangiri</b>				

**(g) Large scale adoption of resource conservation technologies**

Name of KVK	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
<b>KVK, Malkangiri</b>			
<b>KVK, Malkangiri</b>			

**(h) Awareness campaign**

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
<b>KVK, Malkangiri</b>												
<b>KVK, Malkangiri</b>												
<b>KVK, Malkangiri</b>												

**25. Status of KVK Website: Already having website/under construction**

If available, please provide the address of website:

<http://kvkmalkangirizpdvii.org/>

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



