ANNUAL REPORT 2018-19 (April 2018 to March 2019)

1. GENERAL INFORMATION ABOUT THE KVK, MALKANGIRI

1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra,	-	-	kvkmalkangiri.ouat@gmail.com
Malkangiri			malkangirikvk@yahoo.co.in
At: Mundaguda, Dist:			
Malkangiri, Odisha-764045			

1.2 .Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail
	Office	FAX	
Odisha University of	91-674-	91-674-	deanextension.ouat@gmail.com
Agriculture & Technology,	2397700	2397780	deanextensionouat@yahoo.com
Bhubaneswar- 751003			deanextension_ouat@rediffmail.com

1.3. Name of Senior Scientist and Head with phone & mobile No.

Name	Telephone / Contact				
	Residence	Mobile	Email		
Dr. Samir Ranjan Dash		9438531167	samirdash2007@rediffmail.com		

1.4. Year of sanction of KVK: - 2006

	1.5. Staff Position (a	as on 1 st April, 2018)						
Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist& Head	Dr. Samir Ranjan Dash	Sr. Scientist & Head	Extension	22,320- 39,100+ AGP 8,000 (P. Basic 22,320)	23.05.2018	Permanent	Others
2	Subject Matter Specialist	Mr. Nigamananda Behera	Scientist	Agronomy	15,600- 39,100+ AGP 6,000 (P. Basic 19,810)	10.02.2014	Permanent	SC
3	Subject Matter Specialist	Dr. Anuj Kumar Rai	Scientist	Plant Science	15,600- 39,100 + AGP 6,000 (P. Basic 17,610)	02.06.2015	Permanent	Others
4	Subject Matter Specialist	VACANT						
5	Subject Matter Specialist	VACANT						
6	Subject Matter Specialist	VACANT						
7	Subject Matter Specialist	VACANT						
8	Programme Assistant	VACANT						
9	Computer Programmer	Mr. Dibyasingh Pradhan	Programme Assistant (Computer)	Computer	9,300- 34,800+ 4200 (P. Basic	17.12.2012	Permanent	ST

					11.040)			
10	Farm Manager	Tanmay Kumar Behera	Farm Manager	Horticulture	9,300- 34,800+ 4200 (P. Basic 9,300)	04.02.2019	Permanent	SC
11	Accountant / Superintendent	-	-	-	-	-	-	-
12	Stenographer	Mr. Babuli Sahu	Jr. Steno cum Computer Operator	Steno	5,200-20,200 + 2400 (P. Basic 8,420)	28.04.2007	Permanent	OBC
13.	Driver	Sri Chandra Sekhar Behera	Driver	-	5,200- 20,200+ 1900 (P. Basic 7,970)	01.08.2007	Permanent	SC
14.	Driver	Sri Sachidananda Rout	Driver	-	5,200- 20,200+ 1900 (P. Basic 7,400)	04.07.2014	Permanent	OBC
15.	Supporting staff	Sri Budhia Behera	Peon	-	4440-7440+ 1500 (P. Basic 6,290)	30.07.2008	Permanent	OBC
16.	Supporting staff	Sri Bata Naik	Peon	-	4440-7440 +1500 (P. Basic 6,290)	01.08.2008	Permanent	SC

1.6. Total land with KVK (in ha)

S. No.	Item	Area (ha)
1	Under Buildings	2.0 ha
2.	Under Demonstration Units	0.5 ha
3.	Under Crops	3.5 ha
4.	Orchard/Agro-forestry	0.0 ha
5.	Others with details(Waste land/ Uncultivable , rocky land)	14.83 ha
	Total	20.83

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Complet ed up to plinth level	Comple ted up to lintel level	Complet ed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building						3031	Used	RKVY
2.	Farmers Hostel						191.17	Not Used, not handed over since 2011-12	RKVY
3.	Staff Quarters (6)				\checkmark		68.12 PC qtr=92 .9 and suppor ting staff - 35395	Not Used, not handed over since 2011-12	RKVY
4.	Piggery unit	Not							

:

		available			
5	Fencing		\checkmark	Not completed since- 2017	RKVY
6	Rain Water harvesting structure		\checkmark	Used	RKVY
7	Threshing floor	Not available			
8	Farm godown				ICAR
9.	Dairy unit	Not available			
10.	Poultry unit	Not available			
11.	Goatary unit	Not available			
12.	Mushroom Lab			Not Started	ICAR
13.	Mushroom production unit	Not available			
14.	Shade house	Not available			
15.	Soil test Lab			 Used	ICAR
16	Others,Please Specify	Garage		 Used	ICAR

* If not in use then since when and reason for non-use

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero	2017	7,50,000	12187 km	Running
Hero Honda	2010-11	50000	3722	Running

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment		•		
Soil and water testing equipments	2016	1800000	Running	ICAR
b. Farm machinery				
Power tiller, Tractor Paddy reaper, Power Thresher, Power sprayer etc	2016	500000	Running	ICAR
c.AV Aids				
Digital camera, Projector, Sound system etc	2017	55000	Running	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Power Tiller	2016	1,35000	Running	ICAR
Trans planter	2016	2,13000	Running	ICAR
Paddy Thrasher	2016	75000	Running	ICAR

Power Sprayer	2016	20000	Running	ICAR
MV Plough	2016	20000	Running	ICAR

1.8. Details SAC meeting* conducted in the year

Sl.No.	Date	Number of	Salient Recommendations	Action taken	If not conducted, state reason
		Participants			
1.	07.02.2019	35	 Awareness among the farmers regarding the soil hazard due to the excess application of chemical fertilizers. Popularization of off season hybrid vegetable production OFT and FLD trails on OUAT released varieties Conserve the traditional crop varieties Introduce the new scented rice varieties Conduct the trial based on organic fertilizers Provide the marketing facility to the farmers with the collaboration of DDA and other departments Provide the information to the farmers regarding the subsidy on agriculture inputs including machineries with the help of distinct agriculture departments 	 ✓ Soil sample collection & tested in KVK lab and soil health card distributed to 480 farmers. ✓ Conducted the training programme. ✓ Conducted FLD programme on LCC in 5 villages. ✓ Create awareness among the farmers in world Soil Day programme on 05.12.2019. ✓ Conducted the demonstration programme on Hybrid tomato variety Arka Rakhyak & Arka Samrat. ✓ Demonstration of Nutritional garden in Pedawada, Kadabhal, MV-9 village ✓ Conducted demonstration programme on BPH and WBPH resistant variety Hager 	
			Conduct the training as well as	Hasanta in 5 villages.	

	8
 supply the good quality seeds among the deprived people alliance with SBRSETI, Malkangiri and other NGOs and line departments Create awareness among farmers for cultivation of forage production Promotion of farm mechanization is to be disseminated in the district for reducing farm labour, cost of production and timely operation in the field and saving of labour cost must be calculated Promotion of Income Generating Demonstration on turmeric vatiery Roma in KVK farm. On Farm Testing programme on aromatic rice variety Nua Kalajira & Nua Acharmati in Kharif 2018. Two nos of Farmers variety of paddy var. Hemant and Kudrat, brinjal var. Niranjan tested in KVK farm 	8
activities among tribal farmers which was supplied by	
 Ensuring nutrition security among tribal farm families OUAT (NAIF) 	

* Salient recommendation of SAC in bullet form Attach a copy of SAC proceedings along with list of participants

2.a. District level data on agriculture, livestock and farming situation (2018-19)

Sl.	Item	Information
no.		
1	Major Farming system/enterprise	Paddy-Sesamum, Paddy-Groundnut, Paddy-Vegetable, Paddy-Fish
2	Agro-climatic Zone	South Eastern Ghat Zone
5	Productivity of major 2-3 crops under cereals, pulses,	Paddy -2845 kg/ha Maize-2733kg/ha G Nut -1911 kg/ha, Sesamum-410 kg/ha,
	oilseeds, vegetables, fruits and others	Green gram -463 kg/ha, Black gram- 455 kg/ha, Potato-14260kg/ha Onion -9760kg/ha
6	Mean yearly temperature, rainfall, humidity of the	Mean Max Temp -38.5, Mean Min Temp 21.37, Mean annual
	district	rainfall (mm)- 1946.8
		Humidity –25-70%
7	Production of major livestock products like milk,	Milk – 10840MT, Meat-893.64 MT_, Fish -2856.8 Mt, Egg production -22.261 million
	egg, meat etc.	

Note: Please give recent data only

2.b. Details of operational area / villages (2018-19)

Sl. No.	Nam e of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
		Malkangiri	MV-2, MV-3	Paddy , G Nut Seseamum Vegetables Pulse , Poultry Pisiculture	Low yield in Paddy Low yield of G Nut	Replacement of local variety Oilseed like G Nut Cultivation with INM, Back yard poultry, Pond management and feed management in Pisiculture
		Podia	MPV-56 & MPV-51	Paddy , G Nut , Sesamum Maize , Millets Poultry	Low yield in Paddy Low yield of G Nut	Replacement of Hybrid Maize and crop diversification with sweet corn Varietal Substitution of Millets
		Kalimela	MV-72	Paddy, Sesamum . G Nut, Maize , Maize Potato , Millets Poultry Pisiculture	Incidence of BPH & WBPH, low yield in Sesamum due to late sowing . heavy weed infestation Tikka disese in G Nut	Replacement of local variety and IPM Vegetable Cultivation with INM Varietal Substitution of Millets, Back yard poultry Pond management and feed management in Pisiculture, Back yard poultry
		Malkangiri	MV-8, MV-9	Paddy, Sesamum . G Nut .Vegetables Poultry Pisiculture	Stem Borer & Weed infestation	IPM & IWM, Replacement of local variety G nut cultivation, Pond management and feed management in Pisiculture, Back yard poultry

						10
	Malkangiri	Bailapari, Pedawada	Paddy, Sesamum . G Nut, Vegetables Poultry Pisiculture	Mid season Drought & Blast	Replacement of local var with IPM, Replacement of local variety, Pond management and feed management in Pisiculture Back yard poultry	

c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2018-19) for its development and action plan

Name of village	Block	Action taken for development
MV-2	Malkangiri	Varietal replacement(rice var New Kalajira & New Acharmati)
	_	Demonstration on kitchen garden
MV-3	Malkangiri	Varietal replacement (rice var New Kalajira & New Acharmati)
		Demonstration on kitchen garden
Pedawada	Malkangiri	Varietal replacement (rice var Swarna Shreya)
		Varietal replacement(tomato var Arka Rashyak & Samrat)
		Demonstration on kitchen garden
MPV-56	Podia	Varietal replacement (rice var)
MV-72	Kalimela	Varietal replacement (rice var)
MV-9	Malkangiri	Demonstration on Sweet corn
Tandapally	Korkunda	Varietal replacement (Sweet corn)
Bailapari	Malkangiri	Varietal replacement (rice var Swarna Shreya) Demonstration Of NADEP Compost

	2.1	Priority thrust	areas
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S. No	Thrust area
1.	Integrated nutrient management in cereals, pulses and oilseeds
2.	Integrated pest and disease management in different crops
3.	Replacement of local variety
4.	Backyard rearing of improved goat breed, poultry and duck
5.	Mushroom cultivation
6.	Promotion of Psiciculture
7.	Sustainable Agriculture
8.	Natural resource management
9.	Value addition
10.	Diversification of Agriculture
11.	Promotion of Vermi composting
12.	Development of Integrated Farming System
3. TECHNIC	CAL ACHIEVEMENTS

3.A. Details of target and achievement of mandatory activities by KVK during the year

	OFT										FLD												
No. of techr	ologies tested:										No. of technologies demonstrated:												
Number of OFTs Number of farmers Number of FLDs Number of farmers																							
Target	Achievement	Tar	Achie	ever	nent							Target	Achievement	Target	Achievement								
		get																					
			SC		ST		Oth	ers	T	Total					SC ST Oth Total		l						
															ers								
			M	F	Μ	F	M	F	N	F	Т				M	F	Μ	F	M	F	M	F	Т
5	5	5	2	0	24	2	0	0	2	24	26	9	8	9	28	5	43	23	0	0	71	18	89

					Traini	ng						Extension activities											
Number of Number of Participants								Num	Number of Number of participants														
Courses								activ	activities														
Targ	Achiev	Targe	Targe Achievement								Target	Achie	Targe	Achievement									
et	ement	t	t										veme	t									
													nt										
			SC		ST		Othe	rs	Total						SC		ST		Other	s	Total		
			Μ	F	М	F	Μ	F	М	F	Т				М	F	М	F	М	F	М	F	Т
60	50	1800	420	125	530	240	310	115	1260	480	1740	80	65	4000	950	160	1510	240	740	250	3200	650	3850

	Impact of capacity building										Impact of Extension activities										
Number of Participants Number of Trainees got employment (self/ wage/							age/	Nur	umber of Number of participants got employment (self/ wage/ entrepreneur							epreneur/					
tr	rained	e	ntrepr	eneur/ e	engag	red as skilled manpower) Participants attended engaged as skilled manpower)															
Target	Achievement	SC		ST		0	thers	Tot	al		Target	Achievem	SC ST		Others		s Total				
												ent									
		M	F	M	F	M	F	M	F	Т			M	F	М	F	M	F	M	F	Т
1800	1740	60	35	200	4	1	30	4	1	6	4000	3850	650	80	450	100	300	40	1400	220	1620
					5	5		1	1	2											l
						0		0	0	0											1

Seed prod	luction (q)	Planting material (in Lakh)					
Target	Achievement	Target	Achievement				

			13
70.0Q	65.0Q	0.025	0.002

Livestock strains and fish fi	ngerlings produced (in lakh)*	Soil, water, plant, manures samples tested (in lakh)			
Target	Achievement	Target	Achievement		
0	0	300	150		

* Give no. only in case of fish fingerlings

Publication by KVKs											
		No.	No. of Research	Highest	Average	Details of	Details of				
Item	Number	circulated	papers in NAAS	NAAS rating	NAAS rating	awarded	Award				
item	Number		rated Journals	of any	of the	publication, if	given to the				
				publication	publications	any	publication				
Research paper	5	-	5	5.38	4.5						
Seminar/conference/ symposia	1	-									
papers											
Books	2	1000	0	0	0	0	0				
Bulletins	1	500	-								
News letter	1	500	-								
Popular Articles	2	-	-								
Book Chapter	-	-	-								
Extension Pamphlets/ literature	-	-	-								
Technical reports	15	30	-								
Electronic Publication (CD/DVD	nil	-	-								
etc)											
TOTAL	15	2010	-								

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessm	Assessment of BPH/WBPH tolerant low land rice varieties							
2.	Problem diagnosed	Low yie	eld of paddy d	ue to attack of BPH/	WBPH					
3.	Details of technologies selected for	FP-Cult	tivation of pad	ldy variety Pooja						
	assessment/refinement	TO1-Sv	varna							
	(Mention either Assessed or Refined)	ТО2-На	TO2-Hasanta							
4.	Source of Technology (ICAR/	OUAT								
	AICRP/SAU/other, please specify)									
5.	Production system and thematic area	Varietal evaluation								
6.	Performance of the Technology with	Matu	rities days	No of hoppers	Yield (q/ha)					
	performance indicators			/10hill						
		FP	140	35.3	41.10					
		TO1	145	45.5	43.15					
		TO2	155	24.5	51.12					
7.	Final recommendation for micro level	Rice va	riety Hasanta	has moderate tole	erant to BPH/WBPH and is					
	situation	recomm	nended for the	e district						
8.	Constraints identified and feedback for	Variety	availability, t	farmers are not acqua	ainted with line transplanting					
	research	and skip	p row method	of planting						
9.	Process of farmers participation and their	Involve	ement in techn	ology testing proces	ss, keeping the field data,					
	reaction	paramet	ters and observ	vations and records	and accepted the variety has					
		anta								

1.	Title of On farm Trial	Assessment of Ste Sub1	Assessment of Stem borer management in low land paddy, var-Swarna - Sub1								
2.	Problem diagnosed	Low yield due ster	m borer attack								
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP- Spraying of C TO1- Nursery tre spraying of Fipro water at 15 days it twice 7 days after TO2- Nursery tre ha + alternate spra ml/lit at 55 DAT +	 FP- Spraying of Choloropyriphos / Trizophos,(Trizophos+Deltamethrin) TO1- Nursery treatment with Carbofuran 3G @ 1.5 kg.i/ha + alternate spraying of Fipronil 5EC @ 2ml/ltr and neem oil 3000ppm @ 3ml/ltr water at 15 days interval at 55 DAT+ release of T. chilonis @ 50,000/ha twice 7 days after spraying TO2- Nursery treatment with Cartap hydrochloride 4G @ 0.8 kg a.i. per ha + alternate spraying of neem oil 3000ppm and indoxacarb 18.5 SL @1 ml/lit at 55 DAT +T. chilonis @ 50,000/ha twice 7 days after spraying 								
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT	OUAT								
5.	Production system and thematic area	Integrated Disease	Management								
6.	Performance of the Technology with performance indicators	White ear heads (%)	Dead hearts (%)	Yield (q/ha)							
		12.8	14.5	40.9							
		7.3	8.13	42.5							
		6.7	3.96	44.8							
7.	Final recommendation for micro level situation	Nursery treatment with Cartap hydrochloride 4G @ 0.8 kg a.i. per ha + alternate spraying of neem oil 3000ppm and Indoxacarb 18.5 SL @1 ml/lit at 55 DAT +T. chilonis @ 50,000/ha twice 7 days after spraying controls the Stem borer attack and economic loss is vey less and gave higher yield as compared to other treatments									
8.	Constraints identified and feedback for research	Availability of Bio	o control agents in the loca	l area ,							

9.	Process of farmers participation and their	Involvement in Technology testing process, keeping the field data,
	reaction	parameters and observations and records and accepted the variety has
		anta

1.	Title of On farm Trial	Assessment of Aromatic ri	ice varieties							
2.	Problem diagnosed	Low net return from paddy market	Low net return from paddy due to distress sale and less demand in the market							
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T1- MTU-1001 T2- Nua Acharmati T3- Nua Kalajeera								
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT	OUAT							
5.	Production system and thematic area	Varietal evaluation								
6.	Performance of the Technology with	Panicle Lt. (cm)	Seeds /panicle	Yield (q/ha)						
	performance indicators	22.5	183	42.9						
		20.2	162	33.1						
		26.3	221	34.9						
7.	Final recommendation for micro level situation	Performance of scented acahrmati,	rice var Nua aklajee	ra is better than Nua						
8.	Constraints identified and feedback for research	Market price is more in sc problem with selling the ri	cented rice variety , but ce , broken rice % more	farmers are facinf						
9.	Process of farmers participation and their reaction	Involvement in technolog seed and Accepted the var	y testing , sharing of cri riety due to high market	tical input other than price						

1.	Title of On farm Trial	Assessment of mult	ti disease resistant tomato	o varieties					
2.	Problem diagnosed	Lack of a suitable va tolerance	ariety of tomato with bacto	erial wilting disease					
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP-Laxmi TO1- Arka Rakshak TO2- Arka Samrat							
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT							
5.	Production system and thematic area	Varietal evaluation							
6.	Performance of the Technology with performance indicators	Fruit weight (g)	Storability after harvest (days)	Yield (q/ha)					
		99.4	3	233.4					
		87.9	8	384.8					
		112.7	7	406.1					
7.	Final recommendation for micro level situation	Yield performance A	Arka Samrat was highest						
8.	Constraints identified and feedback for research	Staking is essential a	Staking is essential as it bears more friuts						
9.	Process of farmers participation and their reaction	Involvement in tech like fertlisers and ne good marketable size	hnology assessment proces ed based PP chemicals etc e with market demand of	ss, Sharing of other inputs Thick skin,good and this vat Arka Samrat					

1.	Title of On farm Trial	Assessment of Acid So	ment of Acid Soil Management in Maize							
2.	Problem diagnosed	low yield in maize due	e to soil acidity, small cub s	size						
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	PF-No management of TO1- PMS _{0.1LR} + STI TO2- PMS _{0.1 LR} + STI	PF-No management of soil acidity TO1- PMS _{0.1LR} + STBFR TO2- PMS _{0.1 LR} + STBFR + FYM @ 5t/ha							
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT	OUAT							
5.	Production system and thematic area	Acid Soil Management								
6.	Performance of the Technology with performance indicators	% change in yield over FP	No. of grains/cob	Yield (q/ha)						
		-	312.7	40.3						
		08.4	357.8	43.7						
		43.4	403.2	57.8						
7.	Final recommendation for micro level situation	PMS _{0.1 LR} + STBFR - other treatments in ma	+ FYM @ 5t/ha gave highe	er yield as compared to						
8.	Constraints identified and feedback for research	Availability of PMS is	s a problem in the loacal							
9.	Process of farmers participation and their reaction	Involvement in tec accepted the technolog	chnology testing , sharing ogy	of critical input,						

Thematic area:

Problem definition:

Technology assessed:

Table:

Technology	No. of	Yield component			Disease/	Yield	Cost of	Gross	Net return	BC
option	trials	No. of	No. of	Test wt.	insect pest		cultivation	return		ratio
		effective	spikelet per	(100	incidence	(q/ha)		(Rs/ha)	(Rs./ha)	
		tillers/hill	panicle	grain	(%)		(Rs./ha)			
				wt.)						

Results: **Please provide all the OFTs in same format**

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals Reaso ns for shortf No. of farmers/ S1. Technology Demonstrated with detailed Area (ha) Thematic all in demonstration Crop No. treatments area achie veme nt SC ST Proposed Actual Others Total Μ M F М Μ F F F Т RICE IWM emergence application 2 4 2 10 1. Pre of 1.0 1.0 -4 0 8 -Bensulfuran Methyl (0.6%)+ Pretilachlor (6% Gr)@10 kg/ha at 3-7 DAT +one hand weeding at 30 DAT Var. MTU-1001 RICE Soil test based fertiliser +FYM 5t/ha 2.0 2. INM 2.0 1 3 6 10 0 10 --sowing of Dhaincha seeds @ 15 kg/ha

			along with application of 2,4-D- ethyl easter 1 kg ai/ha at 30 DAS												
3.	Rice	Varietal substituti on	Climate resilient rice var Swarna Shreya (IET24003),	0.4	0.4	5	-	-	-	5	-	5	-	10	
4.	Rice	INM	Nitrogen Management through LCC in Rice	2.0	2.0	0	0	4	0	4	2	8	2	10	
5															

Details of farming situation

Сгор	icason	ng situation Irrigated)	oil type		Status of so (Kg/ha)	il	ious crop	ving date	vest date	nal rainfall (mm)	f rainy days
	S	Farmi (RF/	Ň	N	P ₂ O ₅	K ₂ O	Prev	Sov	Har	Seaso	No. of

In both the Tables, information of same crop should be provided. For example, if in Table 3.2A crops are mentioned as a,b,c,d etc., in the table for Details of farming situation, the same crop should be mentioned in the identical sequence.

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

0	Thematic	Name of the	No. of	Area	Yield	(q/ha)	%	*Eco	nomics of (Rs	f demonstra ./ha)	ation	*	Economio (Rs	cs of checl ./ha)	k
Crop	Area	demonstrated	Farmers	(ha)	Demo	Check	Increase	Gross	Gross	Net	**	Gross	Gross	Net	**
		demonstrated			Demo	CHEEK		Cost	Return	Return	BCR	Cost	Return	Return	BCR
	ICM		50	20.0	16.35	11.5	42.17	34000	73575	35575	2.2	28000	51750	19750	1.9
G Nut															
	ICM		48	20.0	5.6	3.9	43.5	18000	28000	10000	1.5	16000	19500	3500	1.2
Sesamum															
				40.0											
Total			98	40.0											

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST

Pulses Frontline demonstration on pulse crops- NA

															2
Cron	Thematic	Name of the technology	No. of	Area	Yield	(q/ha)	%	*Ec	onomics o (Re	of demonstrat s./ha)	ion		*Economi (Re	cs of check s./ha)	
Ciop	Area	demonstrated	Farmers	(ha)	Domo	Chaole	Increase	Gross	Gross	Net	**	Gross	Gross	Net	**
					Demo	Спеск		Cost	Return	Return	BCR	Cost	Return	Return	BCR
NIL															
												I			1
	Total														

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST

Other crops

Creat	Themetice	Name of the	No. of	Area	Yield (q/ha)	% change	Ot parar	her neters	*Econom	nics of demo	onstration (F	Rs./ha)	*]	Economic (Rs./	s of checl 'ha)	۲.
Стор	I nematic area	demonstrated	Farmer	(ha)	Demons ration	Check	in yield	Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
										1							
		Total															

Livestock

	Thematic	Name of the	No. of	No.of	Major pa	arameters	% change	Other par	rameter	*Eco	nomics of (R	demonstra s.)	ation	*]	Economics (Rs	s of check s.)	¢
Category	area	demonstrated	Farmer	units	Demons ration	Check	in major parameter	Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	

								2	<u>'</u> 4
Buffalo									
Poultry									
Rabbitry									
Pigerry									
Sheep and									
goat									
Duckery									
Others									
(pl.specify)									
Total									

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST

Fisheries

Catalana	Thematic	Name of the	No. of	No.of	Major par	ameters	% change in	Other pa	rameter	*Eco	nomics of de	monstration	(Rs.)		*Economic (R	s of check s.)	
Category	area	demonstrated	Farmer	units	Demons ration	Check	parameter	Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps																	
Mussels																	
Ornamental fishes																	
Others (pl.specify)																	
		Total															

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST

Other enterprises

Catagomy	Name of the	No. of	No.of	Major paramatara	% change	Other peremeter	*Economics of demonstration (Rs.) or	*Economics of check
Category	technology	Farmer	units	Major parameters	in major	Other parameter	Rs./unit	(Rs.) or Rs./unit

	· · · · ·	1	1	1	1						-			25
	demonstrated	Demons	Check	parameter	Demons	Check	Gross	Gross	Net	**	Gross	Gross	Net	**
		ration	CHECK		ration	CHECK	Cost	Return	Return	BCR	Cost	Return	Return	BCR
Oyster	Enterprise													1
mushroom	development													1
Button														1
mushroom														1
Vermicompost														
I														
Sericulture													ļ]	
Apiculture														
Others														
(pl.specify)														
	Total													

 I otal |
 |

 * Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

 ** BCR= GROSS RETURN/GROSS COST

Women empowerment

Catagoria	Nous of to shu shows		Observat	tions	Dementer
Category	Name of technology	No. of demonstrations	Demonstration	Check	Remarks
Farm Women					
Pregnant women					
Adolescent Girl					
Other women					
Children					
Neonatal					
Infants					

Farm implements and machinery

Name of the	Crop	Name of the	No. of	Area	Filed obs (output/m	ervation an hour)	% change in major	La	bor reduction	on (man day	vs)	Cost red	luction (Rs./	/ha or Rs./U	Jnit)
implement	Стор	demonstrated	Farmer	(ha)	Demons ration	Check	parameter								

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST

Demonstration details on crop hybrids

Сгор	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) /	major pai	rameter		Economic	s (Rs./ha)	
Cereals				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (Pl. specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										

Others (Pl. specify)					
Total					
Pulses					
Greengram					
Blackgram					
Bengalgram					
Redgram					
Others (Pl. specify)					
Total					
Vegetable crops					
Bottle gourd					
Capsicum					
Cucumber					
Tomato					
Brinjal					
Okra					
Onion					
Potato					
Field bean					
Others (Pl. specify)					
Total					
Commercial crops					
Cotton					
Coconut					
Others (Pl. specify)					
Total					
Fodder crops					
Napier (Fodder)					

Maize (Fodder)					
Sorghum (Fodder)					
Others (Pl. specify)					
Total					

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days		4	200	G. Nut var Devi and Sesamum var GT-10 accepted by the farmers
2.	Farmers Training				
3.	Media coverage				
4.	Training for extension functionaries		1	20	Seed quality testing training among extension workers

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2018 and Rabi 2018-19:

A. Technical Parameters:

Sl.	Crop	Existing	Existin	Yield	Yield gap (Kg/ha)		Name of	Numb	Are	Yiel	d obtai	ned	Ŋ	lield	1
No	demonstrat	(Farmer'	g yield		w.r.to		Variety +	er of	a in		(q/ha)		gap		
	ed	s)	(q/ha)	Distri	Stat	Potenti	Technolog	farmer	ha				mi	nimi	ize
		variety		ct	e	al	у	s						d	
		name		yield	yiel	yield	demonstrat							(%)	
				(D)	d	(P)	ed			Ma	Mi	Av	D	S	Р
					(S)					х.	n.				

B. Economic parameters

Sl.	Variety	F	Farmer's Ex	isting plot			Demonstration plot				
No.	demonstra										
	ted &	Gross	Gross	Net	B:C	Gross	Gross	Net	B:C		
	Technolog	Cost	return	Return	ratio	Cost	return	Return	ratio		
	У	(Rs/ha)	(Rs/ha)	(Rs/ha)		(Rs/ha)	(Rs/ha)	(Rs/ha)			
	demonstra										
	ted										

C. Socio-economic impact parameters

								50
Sl.	Crop and	Total	Produce sold	Selling	Produc	Produce	Purpos	Employment
No	variety	Produce	(Kg/household	Rate	e used	distribute	e for	Generated
	Demonstrate	Obtaine)		for own	d to other	which	(Mandays/hous
	d	d (kg)		(Rs/Kg	sowing	farmers	income	e hold)
)	(Kg)	(Kg)	gained	
							was	
							utilized	

D. Oilseed Farmers' perception of the intervention demonstrated

Sl.	Technologie		Farmers' Perception parameters											
No	s	Suitabilit	Likings	Affordabilit	Any	Is	Suggestions, for							
	demonstrate	y to their	(Preference	у	negativ	Technology	change/improvement							
	d	farming)		e effect	acceptable	, if any							
	(with name)	system				to all in the								
						group/villag								
						e								

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of	Farmers Feedback
		Technology vis-a vis	
		Local Check	

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities	Date and place of	Number of farmer
	organized	activity	attended
	Training		
	GroupMeeting		
	Field days		

G. Sequential good quality photographs (as per crop stages i.e. growth & development)

H. Farmers' training photographs

I. Quality Action Photographs of field visits/field days and technology demonstrated.

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input			
	ii) TA/DA/POL etc.			
	for monitoring			
	iii) Extension			
	Activities (Field day)			
	iv)Publication of			
	literature			
	Total	340,000	340,000	00.00

3.3 Achievements on Training (Including the sponsored and FLD training programmes):

A) Farmers and farm women (on campus)

Thematic Area	No. of		No. of Participants					Grand Total					
	Courses	Other				SC		ST					
		M	F	Т	M	F	Т	Μ	F	Т	М	F	Т
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming	1				26	15	41	7	2	9	33	17	50
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	1												
Importance of bio-fertilizer in Green								19	11	30	19	11	30
gram													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high													
value crops													

												52	
Thematic Area	No. of			N	lo. of l	Particip	oants				Grand		
	Courses		Other			SC			ST				
		M	F	Т	M	F	Т	Μ	F	Т	Μ	F	Т
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses,													
Shade Net etc.)													
Others, if any (Cultivation of													
Vegetable) Bio-fertilizer application in	1				4	0	4	29	7	36	33	7	40
vegetables													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental													
Plants													
Others, if any													
d) Plantation crops													
Production and Management													
technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management													
technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management													
technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management													
technology													
Post harvest technology and value													
addition													
Utners, if any													
111. Soli meatin and Fertility Management													
Iviallagement	1				0	2	11	24	_	20	22	7	40
Son tertinty management	1				9	2	11	24	3	29	55	/	40
Soil and Water Conservation									-		• -		
Integrated Nutrient Management	1							44	6	50	44	6	50

													33
Thematic Area	No. of			N	o. of	Particit	oants				Gran	d Total	
	Courses		Other			SC			ST				
	-	М	F	Т	М	F	Т	М	F	Т	М	F	Т
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and													
Management													
Dairy Management													
Poultry Management	1							42	8	50	42	8	50
Piggery Management									-				
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others if any Goat farming													
V Home Science/Women													
empowerment													
Household food security by kitchen													
gardening and nutrition gardening	1				8	4	12	10	18	28	18	22	40
Design and development of													
low/minimum cost diet													
Designing and development for high													
nutrient efficiency diet													
Minimization of nutrient loss in													
processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development	1							20	12	50	20	12	50
Value addition	1							30	12	30	50	12	50
Income generation activities for													
I section and find a second section													
tocation specific drudgery reduction													
Burgh Crofts													
Kurai Craits													
Wemen and shild some													
Others if any													
VI Agril Engineering													
VI.Agrii. Engineering													
installation and maintenance of micro													
Imigation systems													
Dise of Plastics in farming practices													
Production of small tools and													
Repair and maintenance of farm													
Small goals proceeding and services													
Small scale processing and value													
Dest Herright Testers Is and													
Others if any													<u> </u>
VII Plant Protection													
VII. Flant Frotection													<u> </u>
Integrated Pest Management													
Integrated Disease Management													

Thematic Area	No. of			N	[o. of]	Particip	oants	1			Gran			
	Courses		Other			SC			ST					
		M	F	Т	M	F	Т	M	F	Т	M	F	Т	
Bio-control of pests and diseases														
Production of bio control agents and														
bio pesticides														
Others, if any														
VIII. Fisheries														
Integrated fish farming														
Carp breeding and hatchery														
management														
Carp fry and fingerling rearing														
Composite fish culture & fish disease														
Fish need preparation & its application														
to fish pond, like nursery, rearing &														
Hatahary management and culture of														
fracher y management and culture of														
Breading and culture of ornamental														
fishes														
Portable plastic carp batchery														
Pen culture of fish and prawn														
Shrimp farming														
Edible ovster farming														
Paorl culture														
Fish processing and value addition														
Others if any														
IV Production of Inputs at site														
Seed Production														
Planting material production														
Bio-agents production														
Bio-nesticides production														
Bio-fertilizer production														
Vermi-compost production														
Organic manures production														
Production of fry and fingerlings														
Production of Ree-colonies and way														
sheets														
Small tools and implements														
Production of livestock feed and														
fodder														
Production of Fish feed														
Others, if any														
X. Canacity Building and Group														
Dynamics														
Leadership development														
Group dynamics														
Formation and Management of SHGs														
Mobilization of social capital														
Entrepreneurial development of														
farmers/youths														
WTO and IPR issues														
Others, if any														
XI Agro-forestry														
Production technologies														
Nursery management								Ì						

													55
Thematic Area	No. of		No. of Participants										
	Courses	Other SC							ST				
		M	F	Т	M	F	Т	Μ	F	Т	M	F	Т
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL													

B) Rural Youth (on campus)

Thematic Area	No. of	No. of Participants									Grand Total			
	Courses		Other			SC			ST					
		М	F	Т	М	F	Т	М	F	Т	М	F	Т	
Mushroom Production														
Bee-keeping														
Integrated farming	1							15	0	15	15	0	15	
Seed production														
Production of organic inputs	1							15	0	15	15	0	15	
Integrated Farming														
Planting material production														
Vermi-culture														
Sericulture														
Protected cultivation of vegetable														
crops														
Commercial fruit production														
Repair and maintenance of farm														
machinery and implements														
Nursery Management of Horticulture														
crops														
Training and pruning of orchards														
Value addition														
Production of quality animal products														
Dairying														
Sheep and goat rearing														
Quail farming														
Piggery														
Rabbit farming														
Poultry production														
Ornamental fisheries														
Enterprise development														
Para vets														
Para extension workers														
Composite fish culture														
Freshwater prawn culture														
Shrimp farming														

													30
Thematic Area	No. of			N	lo. of l	Particij	oants				Grane	d Total	
	Courses		Other			SC			ST				
		М	F	Т	M	F	Т	М	F	Т	М	F	Т
Pearl culture													
Cold water fisheries													
Fish harvest and processing													
technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
TOTAL													

C) Extension Personnel (on campus)

Thematic Area	No. of	No. of Participants									Grand	Grand Total		
	Courses		Other			SC			ST					
		Μ	F	Т	Μ	F	Т	Μ	F	Т	M	F	Т	
Productivity enhancement in field	1				10	2	12	5	3	8	15	5	20	
crops	1				10	2	12	5	5	0	15	5		
Value addition														
Integrated Pest Management														
Integrated Nutrient management														
Rejuvenation of old orchards														
Protected cultivation technology														
Formation and Management of SHGs														
Group Dynamics and farmers														
organization														
Information networking among														
farmers														
Capacity building for ICT application														
Care and maintenance of farm														
machinery and implements														
WTO and IPR issues														
Management in farm animals														
Livestock feed and fodder production														
Household food security														
Women and Child care														
Low cost and nutrient efficient diet														
designing														
Production and use of organic inputs	1				15	2	17	0	3	3	15	5	20	
Gender mainstreaming through SHGs														
TOTAL					25	4	29	5	6	11	30	10	40	

D) Farmers and farm women (off campus)

Thematic Area	No. of			Grand Total									
	Courses	Other			SC			ST					
		М	F	Т	М	F	Т	М	F	Т	М	F	Т
													21
---------------------------------------	---------	---	-------	---	------------------	---------	-------	----	----	-----	------	---------	-----
Thematic Area	No. of			Ν	lo. of	Partici	pants	1			Gran	d Total	
	Courses		Other		<u> </u>	SC			ST			1	
		M	F	Т	M	F	Т	M	F	Т	M	F	Т
I. Crop Production													
Weed Management	2				5	0	5	63	12	75	68	12	80
Resource Conservation Technologies													
Cropping Systems	1							42	8	50	42	8	50
Crop Diversification													
Integrated Farming													
Water management													
Seed production	3							90	40	130	90	40	130
Nursery management													
Integrated Crop Management	2							77	23	100	77	23	100
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high													
value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses,	1								_				
Shade Net etc.)	1							34	6	40	34	6	40
Others, if any (Cultivation of													
Vegetable) YMV management in	1							20		50	20		50
Okra.								39	11	50	39	11	50
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Deivyenetion of old eraberds													
Rejuvenation of old orchards													
Miero irrigation systems of orchards													
Plant propagation techniques													
Others if any(INM)													
a) Ornamontal Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental					$\left \right $								
Plants													
Others if any													
d) Plantation crops													
Production and Management													
technology													
Processing and value addition		1										İ	
Others, if any													

		1											30
Thematic Area	No. of			1	No. of	Partici	pants				Gran	d Total	
	Courses		Other			SC			ST				
		M	F	Т	Μ	F	Т	Μ	F	Т	M	F	Т
e) Tuber crops													
Production and Management													
technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management													
technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management													
D 41													
Post narvest technology and value													
addition													
UL Soil Health and Fartility													
III. Soll Health and Fertility Management													
Soil fortility management	2				20	2	22	50	17	07	80	50	120
Soll lerting management	3				30	3	33	30	4/	97	80	30	130
Son and water Conservation													
Integrated Nutrient Management	1							20	10	30	20	10	30
Production and use of organic inputs													
Management of Problematic soils	1				1	0	1	37	12	49	38	12	50
Micro nutrient deficiency in crops	1							23	7	30	23	7	30
Nutrient Use Efficiency	1				5	0	5	27	8	35	32	8	40
Soil and Water Testing	1				4	0	4	30	6	36	34	6	40
Others if any	1						-	24	6	30	24	6	30
IV Livestock Production and	1							21	-	50	21	–	30
Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women													
empowerment													
Household food security by kitchen													
gardening and nutrition gardening													
Design and development of													
low/minimum cost diet													
Designing and development for high													
nutrient efficiency diet													
Minimization of nutrient loss in]
processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													

													39
Thematic Area	No. of			N	lo of	Partici	nants				Grand	l Total	
Thematic Area	Courses		Other	1		SC	punto		ST		Oran	4 10tui	
		М	F	Т	Μ	F	Т	М	F	Т	М	F	Т
Income generation activities for													
empowerment of rural Women													
Location specific drudgery reduction													
technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro													
irrigation systems													
Use of Plastics in farming practices													
implements													
Papair and maintanance of farm													
machinery and implements													
Small scale processing and value													
addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management	1							41	9	50	41	9	50
Integrated Disease Management	1				9	0	9	28	13	41	37	13	50
Bio control of pests and diseases	1				6	0	6	20	12	44	20	12	50
Broduction of his control agents and	1				0	0	0	32	12	44	50	12	30
bio posticidos													
Others if any													
VIII Fisheries													
Integrated fish farming													
Carp breeding and hatchery													
management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application													
to fish pond, like nursery, rearing &													
stocking pond													
Hatchery management and culture of													
freshwater prawn													
Breeding and culture of ornamental													
fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Fish processing and volve addition													
Others if any													
IX Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-nesticides production													
Bio-fertilizer production													
Die fermizer production		I	1	1	1					1	1	1	

													τU
Thematic Area	No. of			Ν	lo. of	Partici	pants				Grane	l Total	
	Courses		Other			SC			ST		1		
		М	F	Т	Μ	F	Т	М	F	Т	М	F	Т
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax													
sheets													
Small tools and implements													
Production of livestock feed and													
fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group													
Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of													
farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL													

E) RURAL YOUTH (Off Campus)

Thematic Area	No. of			No	. of Pa	articip	ants				Grand	Total	
	Course		Other			SC			ST				
	s	М	F	Т	М	F	Т	Μ	F	Т	M	F	Т
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable													
crops													
Commercial fruit production													
Repair and maintenance of farm													
machinery and implements													
Nursery Management of													
Horticulture crops													
Training and pruning of orchards													
Value addition													

Thematic Area	No. of			No	ofPa	articir	ants				Grand	Total	11
	Course		Other	110		SC	unto		ST		Grund	Totur	
	s	М	F	Т	М	F	Т	М	F	Т	M	F	Т
Production of quality animal													
products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing													
technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL													

F) Extension Personnel (Off Campus)

Thematic Area	No. of			No	. of Pa	articip	ants				Grand	Total	
	Course		Other			SC			ST				
	S	Μ	F	Т	М	F	Т	M	F	Т	М	F	Т
Productivity enhancement in field													
crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													

													42
Thematic Area	No. of			No	. of Pa	nrticip	ants				Grand	Total	
	Course		Other			SC			ST				
	S	Μ	F	Т	M	F	Т	M	F	Т	М	F	Т
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL													

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of			No.	of Pa	nticipa	ants				Gran	d Tota	l
	Cours		Other			SC			ST				
	es	Μ	F	Т	Μ	F	Т	Μ	F	Т	M	F	Т
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high													
value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses,													
Shade Net etc.)													
Others, if any (Cultivation of													
Vegetable)													
TOTAL													
b) Fruits													

Themestic Areas	No. of	o. of No. of Participants									Crear	d Tata	
I nematic Area	NO. 0I		Othor	NO	. OI P2	articipa SC	ants		SТ		Gran	a lota	1
	es	м	F	Т	м		Т	м	F	Т	м	F	Т
Training and Pruning	0.5	141	-	1	171	1	1	171	1		171	1	1
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental													
Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management													
technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management													
technology													
Processing and value addition													
Others, if any													
TOTAL			_										
f) Spices			_										
Production and Management													
technology													
Processing and value addition													
Others, if any			_										
g) Medicinal and Aromatic Plants													
Nursery management													
tashnala ay													
Dest hereigt technology													
addition													
Others if any													
IUI Soil Health and Fartility													
Management													
Soil fertility management			+										├──┤
Soil and Water Conservation													
Integrated Nutrient Management			+										$\left \right $
Production and use of organic inputs			+										$\left \right $
Management of Problematic soils			+										
Micro nutrient deficiency in crops			+										$\left - \right $
Nutrient Use Efficiency								ł					

					4.0						G		т
Thematic Area	No. of		041	No	. of Pa	articipa	ants		OT		Gran	d Tota	I
	Cours	м	Other E	т	м	SC E	т	м	<u>51</u>	т	М	Б	т
Soil and Water Testing	C5	IVI	Г	L	IVI	Г	1	IVI	Г	1	IVI	Г	1
Others if any													
IV. Livestock Production and													
Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women													
empowerment													
Household food security by kitchen													
gardening and nutrition gardening													
Design and development of													
low/minimum cost diet													
Designing and development for high													
nutrient efficiency diet													
Minimization of nutrient loss in													
processing			-										
Gender mainstreaming through SHGs			_										
Storage loss minimization techniques			_										
Enterprise development			_										
Value addition													
Income generation activities for													
empowerment of rural Women													
Location specific drudgery reduction													
Devel Craft													
Rural Crafts													
Waman and shild same			-										
Others if any			-										
VI Agril Engineering													
VI.Agrii. Engineering													
irrigation systems													
Use of Plastics in farming practices													
Broduction of small tools and													
implements													
Repair and maintenance of farm													
machinery and implements													
Small scale processing and value			1		1								
addition													
Post Harvest Technology			1										
Others, if any			1		1								
TOTAL			1										
VII. Plant Protection			1										
Integrated Pest Management			1		1								
Integrated Disease Management			1		1								
Bio-control of pests and diseases													

												4	15
Thematic Area	No. of			No	. of Pa	rticip	ants				Gran	d Tota	1
	Cours		Other			SC			ST				-
	es	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Production of bio control agents and													
bio pesticides													
Others, if any													
TOTAL													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery													
management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application													
to fish pond, like nursery, rearing &													
Stocking pond													
fracturery management and culture of													
Breeding and culture of ornamental													
fishes													
Portable plastic carp batchery													
Pen culture of fish and prawn													
Shrimp farming			_										
Edible ovster farming													
Pearl culture													
Fish processing and value addition													
Others if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax													
sheets													
Small tools and implements													
Production of livestock feed and													
fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group													
Dynamics													
Leadership development													
Group dynamics			_		<u> </u>								
Formation and Management of SHGs			_		<u> </u>								
Mobilization of social capital			_		<u> </u>								
Entrepreneurial development of													
farmers/youths	<u> </u>												
WTO and IPR issues	<u> </u>												
Others, if any													
TOTAL					1			1		1			

													10
Thematic Area	No. of			No	. of Pa	rticip	ants				Gran	d Tota	ıl
	Cours		Other			SC			ST		1		
	es	Μ	F	Т	Μ	F	Т	M	F	Т	M	F	Т
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													
TOTAL													

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of	No. of Participants						Grand Total					
	Courses		Othe	r		SC	· ·		ST		1		
		Μ	F	Т	Μ	F	Т	Μ	F	Т	M	F	Т
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic													
inputs													
Planting material													
production													
Vermi-culture													
Sericulture													
Protected cultivation													
of vegetable crops													
Commercial fruit													
production													
Repair and													
maintenance of farm													
machinery and													
implements													
Nursery Management													
of Horticulture crops													
Training and pruning													
of orchards													
Value addition													
Production of quality													
animal products													
Dairying													
Sheep and goat													
rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension													
workers													
Composite fish culture													

Thematic Area	No. of				No. of	[°] Partic	ipants				Grand	l Total	
	Courses		Othe	r		SC	•		ST		1		
		Μ	F	Т	Μ	F	Т	Μ	F	Т	M	F	Т
Freshwater prawn													
culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and													
processing technology													
Fry and fingerling													
rearing													
Small scale processing													
Post Harvest													
Technology													
Tailoring and													
Stitching													
Rural Crafts													
Enterprise													
development													
Others if any (ICT													
application in													
agriculture)													
TOTAL													

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of	No. of Participants									Grand	Total	
	Courses		Other	r		SC			ST				
		Μ	F	Т	Μ	F	Т	Μ	F	Т	M	F	Т
Productivity enhancement in field crops	1	15	0	15	5	0	5	0	0	0	20	0	20
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													

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											48
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Women and Child care											
Low cost and nutrient efficient diet designing											
Production and use of organic inputs											
Gender mainstreaming through SHGs											
Crop intensification											
Others if any (Seed quality testing)	1	12	0	12	8	0	8		20	0	20
TOTAL	2										40

Please furnish the details of training programmes as Annexure in the proforma given below

Discipline	Clientele	Title of the training	DurationVenueNin days(Off / On		Numb	er of partio	cipants	Numbe	er of SC/ST	[
		programme		Campus)	Male	Female	Total	Male	Female	Total

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop /	Identifi ed	Trai	Duration	No.	of Particip	ants	Self	employed af	ter training	Number of persons employed else where
rise	Thrust Area	title*	(days)	Male	Female	Total	Type of units	Number of units	Number of persons employed	

*training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

S	Ti+1	Them	Μ	Durati	Cl	No.		Sponsor
1.	1111	atic	ont	on	ie	of	No. of Participants	ing
Ν	е	area	h	(days)	nt	cours		Agency

																49
0				PF	es]	Male		I	Female			Tot	al		
				/R Y/ EF		Other s	SC	S T	Othe rs	SC	ST	Othe rs	SC	ST	To tal	
1	Mushr oom cultiv ation	Ja n - Fe b	25	R Y	1	0	08	12	0	0	0	0	08	12	20	ASCI
2	Qualit y seed growe rs	Ja n - Fe b	25	R Y	1	0	11	08	0	0	1	0	11	09	20	ASCI

3.4. A. Extension Activities (including activities of FLD programmes)

			Farmers				nsion Off	icials		Total	
	No.				SC/						Total
Nature of Extension	of		-	_	ST						
Activity	activi	M	F	Т	(%	Male	Female	Total	Male	Female	
	ties				of						
					total)						
Field Day	4	160	60	220	70	10	0	10	170	60	230
KisanMela	7	380	120	500	65	20	10	30	400	150	550
KisanGhosthi	15	360	0	360	80	10	0	10	270	0	270
Exhibition	5	750	250	1000	65	25	15	50	785	265	1050
Exhibition Film Show	10	280	120	500	70	20	15	20	100	1203	520
Mathad	0	200	120	220	70 80	12	0	12	212	120	222
Demonstrations	0	200	120	520	00	12	0	12		120	332
Earmora Sominar	0	0	0	0	0	0	0	0	0	0	0
Workshop	0	0	0	0	0	0	0	0	0	0	0
Crown mostings	20	250	50	400	55	10	10	20	260	60	420
Group meetings	20	330	30	400	55	10	10	20	300	00	420
Lectures delivered	10	420	80	300	33	20	3	23	440	83	323
A device persons	20	00	20	120	56	10	0	10	100	20	120
Advisory Services	20	90	50	120	50	10	0	10	100	50	130
Scientific Visit to	25	450	50	500	52	0	0	0	450	50	500
Tarmers field	200	750	100	050	70	0	0	0	750	100	050
Farmers Visit to	200	/50	100	850	/0	0	0	0	/50	100	850
KVK Dis an estis misita	10	220	20	250	55	20	10	20	240	40	280
Diagnostic visits	10	220	30	230	33	20	10	5	240	40	280
Exposure visits	2	100	40	100	90	3	0	3	103	40	205
Ex-trainees Sammelan	2	65	10	/5	45	0	0	0	65	10	/5
Sail health Comp	2	280	120	500	70	10		10	200	120	510
A nimel Health	1	200	120	200	70	5	0	5	205	120	205
Camp	1	200	0	200	00	5		5	203		203
A gri mobile clinic	0	0	0	0	0	0	0	0	0	0	0
Soil test compaigns	2	450	50	500	10	5	5	10	455	55	510
Son test campaigns	2	430	30	300	10	3	3	10	433	55	510

											50
Farm Science Club	1	50	0	50	70	2	0	0	52	0	52
Conveners meet											
Self Help Group	1	0	30	30	60	0	0	0	0	30	30
Conveners meetings											
Mahila Mandals	0	0	0	0	0	0	0	0	0	0	0
Conveners meetings											
Celebration of	3	350	50	400	80	10	5	15	360	55	415
important days (
Akhya tritya/jai											
kisan jay vigyan ,											
world soil day)											
Sankalp Se Siddhi	0	0	0	0	0	0	0	0	0	0	0
Swatchta Hi Sewa											
Mahila Kisan Divas	1	0	50	50	80	2	3	5	2	53	55
Any Other (Specify)											
Total	344	6165	1360	7425	1358	206	63	267	6371	1443	7814

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	5
Radio talks	2
TV talks	1
Popular articles	2
Extension Literature	3
Other, if any	

3.5 a. Production and supply of Technological products

Village seed

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in village seed production	Nu to wl	imber o hom se	of farm ed pro	ers vided
					SC	ST	Other	Total
Total	Nil	-	-	-	-	-	-	-

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
RICE	MTU-1010	65.0	1,63,150	120	80	150	350
Grand Total		65.0	1,63,150	120	80	150	350

Production of planting materials by the KVKs

Cron	Variety	No. of planting	Value	Number of farmers
Стор	vallety	materials	(Rs)	to whom planting material provided

							51
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower							
Cabbage							
Tomato	Arka Rakshyak	900	1350	10	0	40	50
Brinjal	Blue star	530	795	20	0	10	30
Chilli	Bullet	1200	1800	5	0	15	20
Onion							
Others/ Drumstick	PKM-1	100	1000	10	10	0	20
Fruits							
Mango							
Guava							
Lime							
Papaya	Red Lady	100	1500	5	15	0	20
Banana							
Others							
Ornamental plants							
Medicinal and							
Aromatic							
Plantation							
Spices							
Turmeric							
Tuber							
Elephant yams							
Fodder crop saplings							
Forest Species							
Others, pl.specify							
Total		2830	6445	50	25	65	140

Production of Bio-Products

	Quantity					
Name of product	Kg	Value (Rs.)	No.	of Farm	ers bene	efitted
			SC	ST	Other	Total
Bio-fertilizers/ Vermi compost	1050	8400	0	0	20	20
Bio-pesticide	-	-	-	-	-	-
Bio-fungicide	-	-	-	-	-	-
Bio-agents	-	-	-	-	-	-
Others, please specify.	-	-	-	-	-	-
Total	1050	8400	0	0	20	20

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. o	No. of Farmers benefitted				
				SC	ST	Other	Total		
				_					
Dairy animals							<u> </u>		
Cows							<u> </u>		
Buffaloes							<u> </u>		
Calves							<u> </u>		
Others (Pl. specify)									
Small ruminants									
Sheep							<u> </u>		
Goat							<u> </u>		
Other, please specify									
Poultry									
Broilers									
Layers									
Duals (broiler and layer)	Vanaaraja	1500		0	150	0	150		
Japanese Quail									
Turkey									
Emu									
Ducks									
Others (Pl. specify)									
Piggery									
Piglet									
Hog									
Others (Pl. specify)									
Fisheries									
Indian carp									
Exotic carp									
Mixed carp									
Fish fingerlings									
Spawn									
Others (Pl. specify)									
Grand Total		1500			1	50			

3.5. b. Seed Hub Programme - "*Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India*" i) Name of Seed Hub Centre: NA

Name of Nodal Officer :	NA
Address :	NA
e-mail :	NA
Phone No. :	NA
Mobile :	

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)		
			Target	Area sown (ha)	Production	Category of Seed

						53
						(F/S, C/S)
Kharif 2018	NA	-	-	-	-	-
Rabi 2018-19	NA	-	-	-	-	-
Summer/Spring 2019	NA	-	-	-	-	-

iii) Financial Progress

Fund received	Expenditure	(Rs. in lakhs)	Unspent balance	Remarks
(2016-17, 2017-18 and 2018-19)	Infrastructure Revolving fund		(Rs. 11 lakhs)	
2016-17	NA	-	-	-
2017-18	NA	-	-	-
2018-19	NA	-	-	-

iv) Infrastructure Development

Item	Progress
Seed processing unit	NA
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper	Research papers in	Dr. S. R. Dash,	4	-
	NAAS rating journal	Mr. N. Behera,		
		Mr. A. Rai		
Seminar/conference/				
symposia papers	-	-	-	-
Books	-	-	-	-
Bulletins	Mushroom cultivation	Dr. S. R. Dash,	500	500
		Mr. N. Behera,		
		Mr. A. Rai		
	Sweet corn cultivation	Dr. S. R. Dash,	500	500
		Mr. N. Behera,		
		Mr. A. Rai		
	Cultivation of G. Nut	Dr. S. R. Dash,	500	500
		Mr. N. Behera,		
		Mr. A. Rai		
News letter	Malyabantika (Odia)	Dr. S. R. Dash,	500	500
		Mr. N. Behera,		
		Mr. A. Rai		
Popular Articles	-	-	-	-
Book Chapter	-	-	-	-
Extension	-	-	-	-
Pamphlets/ literature				
Technical reports	APR, Contingent Plan,	-do-	20	20

				51
	C-DAP,			
Electronic	Nil			
Publication		-	-	-
(CD/DVD etc)				
TOTAL			2024	2020

N.B.: Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

(B)	Details of HRD	programmes	undergone by	KVK personnel:
		1 0	0 ,	1

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	ASCI Trainers for Training Programme (TOT)	Mushroom Growers,	Mr. N. Behera	18-20 Sep 2018	ASCI & ATARI Kolkata
2.	ASCI Trainers for Training Programme (TOT)	Quality Seed Growers	Mr. A. Rai	18-20 Sep 2018	ASCI & ATARI Kolkata
3.	MDP Programme	Management Development Programme	Dr. S. R. Dash	04-12-2018 to 08- 01-2019	NAARM Hyderabad & ICAR-ATARI Kolkata
4.	Training Programme on New Media for Agriculture Extension	New Media for Agriculture Extension	Dr. S. R. Dash	09-07-2018 to 13- 07-2018	MANAGE Hyderabad

3.7. Success stories/Case studies, if any (two or three pages write-up on 1-2 best case(s) with suitable action photographs)

Name of farmer	Mr. Dasharathi Behera				
Address	1. Village: Talasahi, P.O: Malkangiri, Block: Malkangiri, Dist.: Malkangiri, Pin-764045				
Contact details (Phone, mobile, email Id)	Ph No-9438789050				
Landholding (in ha.)	Total 9 Acre (Cultivated land: 3Acre, Orchard area: 3Acre, Pond area: 2 Acre)				
Name and description of the farm/ enterprise	Cultivated land: 3Acre, Orchard area: 3Acre, Pond area: 2 Acre				

Economic impact	Crops	Area (Acre)	Yield	Net return (Rs)
	Paddy (Kharif)Stuntedyearlingproduction (Kharif &Rabi)Fingerlingproduction(Kharif)Fish production (Kharif& Rabi)	2.0 2.0 2.0	35qtl 12qtl 500 kg 40 qtl.	25,750/- 2,35,000/- 1,00,000/- 2,90,000/-
Social impact	Recently he purchased wheeler. and also able better way.	4 acre to educ	and and and and ate his ch	l one fou ildren in
Environmental impact	Recycling and reuse of of soil status & cost red	his farm uction	west for	restoratio
Horizontal/ Vertical spread	20 Farmers of nea Piciculture, Stunted Fingerling production	rby vil yearlir	llage hac 1g produ	adopte action

3.8. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year

Sl. No.	Name/ Title of the	Name/ Details of the	Brief details of the Innovative Technology
	technology	Innovator(s)	
1	Sweet Corn Cultivation	Sri Bhima Madkami	Construction of goat shed over bamboo poles
2	Artificial pollination in	Sri Ajaya Mandal	Collection of pollens and spraying the solution
	Pointed Gourd		over female flowers, enhances pollination for
			fruit sheeting

3.9. a. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Goat Shed	Construction of goat shed over bamboo poles	Reduce disease Transmission, Keep the goats free from damp, humid & Moist Condition, which makes easy to maintain the shed clean. Prevent the attack from dogs & Snakes.

b. Give details of organic farming practiced by the farmer

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)
1	Sweet Corn	120 ha (600 nos Farmers)	20,000 cubs/ac	600	Yes
2	Finger Millet	450 ha	2250 qtl	850	Yes

3.10. Indicate the specific training need analysis tools/methodology followed by KVKs

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
1	PRA tools	Trend analysis, Problems & opportunity
		identification
2	Root Cause Analysis	Problem identification & Prioritization
3	Stake holder Meet & Discussion	Developing linkage strategy and SWOT
		analysis for suitable agri-enterprises
4	Group Meeting & Focused Group Discussion	Collection of feedback & Performance
		of technology in micro leble.

3.11. a. Details of equipment available in Soil and Water Testing Laboratory

Sl. No	Name of the Equipment	Qty.
1	Automatic Nitrogen Analyzer	1
2	Double Beam UV-VIS Digital Spectro Photometer	1
3	Flame Photometer	1
4	Electronic Precision Balance	1
5	Refrigerated Centrifuge	1
6	Hot Air Oven	1
7	Water Quality Analyser	1
8	Bouyoucus Hydrometer	1
9	Rotary Shaker (Platform Type)	1
10	Distilled water Unit	1

3.11.b. Details of samples analyzed so far

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (in Rs.)
Through mini Through soil Total soil testing testing laboratory					
0	150	200	1500	25	0

3.11.c. Details on World Soil Day

Sl. No.	Activity	No. of Participan ts	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1	1.Soiltestcampaignandsoilhealthcarddistribution2.AwarenessprogrammeonSoilHealthManagement	200	20	Sri Ram Ch Pattnayak (DDA, Malakangiri) Sri P Dambaru Rao (DDH, Malkangiri)	150	1500

3.12. Activities of rain water harvesting structure and micro irrigation system

				5,
No of training programme	No of demonstrations	No of plant material produced	Visit by the farmers	Visit by the officials
2	2	2000	150	10

3.13. Technology week celebration

Type of activities	No. of activities	Number of	Related crop/livestock
		participants	technology
Village meeting, Road show, Film show Awarness programme, Distribution of minikits and	8	250	INM, IPM, Organic farming , Water management, Backyard
leaflets, Awarness programmes in schools , Exposure Visit			poultry,Forest Management

3.14. RAWE/ FET programme - is KVK involved? (Y/N)- No

No of student trained	No of days stayed
Nil	-
ARS trainees trained	No of days stayed
Nil	-

3.15. List of VIP visitors (Minister/ MP/MLA/DM/VC/Zila Sabhadipati/Other Head of Organization/Foreigners)

Date	Name of the person	Purpose of visit
07.05.2019	Sri Manish Agrawal	Participating as a chief guest in Akshya
	Honorable Collector & ADM,	Tritiya ceremony of KVK, Malkangiri
	Malkangiri	
27.6.2018	Mr L. Panda IAS	ATMA Review meeting and RE
	Sub Collector, Malkangiri	meeting
19.06.2018	Dr. R.S Kureel	Minikit distribution under KKA
	Director of Oilseed Production, Govt.	programme
	of India	
7.02.2019	Prof. P. J. Mishra	SAC meeting
	Joint Director Extension OUAT	
19.01.2019	Sri Rama Ch. Pattnayak	RE Meeting
	DDA Malkangiri	
19.06.2018 & 20.06.2018	Dr. P. S Bramhanad, Dr. Ashok Ku,	KKA programme Monitoring
	Naik, Dr. Sushant Ku Jena & Sri.	
	Somanth Ray Choudhary	
	Principal Scientist,	
	ICAR-IIWM, Bhubaneswar	

4. IMPACT

4.1. Impact of KVK activities (Not to be restricted for reporting period).

Name of specific technology/skill	No. of	% of	Change in income	e (Rs.)
transferred	participants	adoption	Before	After (Rs./Unit)
			(Rs./Unit)	
Cultivation of sweet corn Var. Sugar 75	120	60	30,000/ ha	1,20,000/ha

				50
INM in Ground nut Var. Devi	450	50	25,000/ha	40,000/ha
Hybrid Tomato Variety	550	60	50,000/ha	90,000/ha
Arka rakshyak & Swarna Sampad				
Back yard Poultry (VANARAJA)	800	40	1800/ 20 nos Birds	5,000/ 20 nos Birds
Cultivation of Sesamum Var. GT-10	500	30	4,500/ha	10,000/ha
INM in cabbage with micronutrient	420	55	25,000/ha	45,000/ha
application Boron				
Cultivation of Green gram Var. IPM-02-14	620	35	15,000/ha	20,000/ha
with Bio-fertilizer application				
Cultivation of high yielding Rice Var.	1200	65	12000/ha	20000/ha
Pooja Swarna MTU 10010/1001 &				
Pratikshya with INM and IPM practices				
Composite pisciculture with feed	250	40	40000/ha	60000/ha
management				
Integrated weed management in	300	30	10000/ha	18000/ha
transplanted rice				

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

Horizontal spread of technologies		
Technology	Horizontal spread	
Cultivation of sweet corn Var. Sugar 75	120 ha	
INM in Ground nut Var. Devi	8000 ha	
Back yard Poultry (BANRAJA)	850 nos tribal families	
INM in cabbage with micronutrient application Boron	400 ha	
Composite pisciculture with feed management	120 ha	

Give information in the same format as in case studies

4.3. Details of impact analysis of KVK activities carried out during the reporting period

Sl.	Brief details of	Impact of the technology in	Impact of the technology in
No.	technology	subjective terms	objective terms
1	Cultivation of sweet corn	High adoption (45%) with profitably.	Farmers are getting 60% higher
	Var. Sugar 75	High market demand	income
2	INM in Ground nut Var.	Area spread around 8000 ha &	Wide spread dissemination and
	Devi	Farmers are using Devi Variety with	marketing channel established
		Sulphur	
3	Back yard Poultry	Less motility of chicks & high	Farmers are getting 50% higher
(VANARAJA)		growth rate of breed Banaraja, Dual	income than the local breed
		purpose bird suitable for hilly area	
4	INM in cabbage with	Good quality & Higher yield (30%)	Due to high yield and better
	micronutrient application	by using INM Practices	quality of head farmers are
	Boron		getting more profit.
5	Composite pisciculture	High net return (avg. profit of	Farmer getting more profit by
	with feed management	60,000/ha) through feed and pond	adopting the technologies in
		management	pisciculture

4.4. Details of innovations recorded by the KVK

	J9	
Thematic area	Vegetable cultivation	
Name of the Innovation	Artificial pollination In Pointed Gourd	
Details of Innovator	Sri Ajay Mondal MV-8 Malkangiri, 9438022045	
Back ground of innovation	• Growing of male and female plants together at the ratio of 1 :9	
	• Suppress growth of female plants due to vigorous vegetative growth causes poor pollination which leads to low yield.	
Technology details	Plucking of male flowers, removal of petals, collection of pollens by hammering with a wooden stick in a glass, diluting with water, sieving using a net and pollinating female flowers by putting a drop of solution using a dropper	
Practical utility of innovation	He is able to get an yield of 100 qtl/acr which is 2.5 times more through artificial pollination technic in pointed gourd with better fruit setting and weight of the fruit	

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Musroom Cultivation (Oyster mushroom)
Name & complete address of the	
entrepreneur	Ritarani Samantray
	Village- Butiguda , Block-Malkangiri,Dist.Malkangiri, Mobile no- 7894114581
Role of KVK with quantitative data	She got all the trainings from KVK and started her business & also
support:	20 nos of spawn were provided at initial stage with all technical
	support.
Timeline of the entrepreneurship	5 years
development	
1	
Technical Components of the Enterprise	Spawn, Straw chopper, polythene bags, Disinfectant chemicals
Status of entrepreneur before and after the	Her Monthly average income was Rs.8,400/ from agriculture & after
enterprise	adopting mushroom cultivation her income has been enhanced to Rs
	20000/ Now for her economic upliftment & sustainable livelihood
	she had mobilised other women & formed one self help groups.
Present working condition of enterprise in	Highly benefited through adopting mushroom cultivation and also
terms of raw materials availability, labour	mobilized other women to develop their socio-economic status
availability, consumer preference,	through this emterprise.
marketing the product etc. (Economic	
viability of the enterprise):	
Horizontal spread of enterprise	75 farmers and farm women are growing mushroom for enhancing
	their income as well as employment generation.

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization Nature of linkage
--

	60
ICAR, SAU, ITDA, NABARD, ATMA , CPDO, NNRI,	Functional linkage, Financial linkages and technological
CHES, IIHR, CTCRI, IIWM, DRWA	support
ITDA, NGOS, Gopabandhu Development Society GDS,	Functional linkage, Financial linkages, and technological
Shristhi NGO, Paribartan NGO, Tagoore Society	support

5.2. List of special programmes undertaken during 2018-19 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies (information of previous years should not be provided)

a) Programmes for infrastructure development-- NA

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Nil	Nil	Nil	Nil	Nil

(b) Programme for other activities (training, FLD,OFT, Mela, Exhibition etc.)

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
World Soil health day	Awareness programme on soil health Mangement	2.12.2018	ATMA	25000

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1. Performance of demonstration units (other than instructional farm)

S1	Name of	Vear of	A rea(S	Details of	of production	ı	Amou	nt (Rs.)	
No.	demo Unit	estt.	q.mt)	Variety/bree d	Produce	Qty.	Cost of inputs	Gross income	Remarks
1.	Vermicom post unit	2015	50	E. fetida	Ver min com post	1,050	4500	8400	Workin g
2.	Poultry unit	2018	20	Banaraja			2500	3500	
3.	Colour fish unit	2018	-	Colour fish			1500	-	
4.	Medicinal garden	2017	400	Medicinal palnts			20000	-	Newly establis hed
5.	IFS	2012	4000	Fish Vegetables	Vege table s		-	-	
6.	Mango orchard	2018	1000	Amrapalii			8000	-	New
	Total						36,500	11,900	

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production	Amount (Rs.)	Remar ks
------------------------	----------------	--------------------	--------------	-----------------------	--------------	-------------

									61
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Rice	15.7.18	20.12.18	2.5	MTU -1010	Seed (F)	65.0	65,000	1,63,150	Lifted by OSSC ltd BBSR
Banana	15.12.20 18	Not harvested	0.05	Bantala	-	-	5500	-	Not harvest ed
Mango	15.6.18	Not harvested	0.05	Amrapalli	-	-	2000		Not harvest ed

6.3. Performance of Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

SL.	Name of the		Amou	nt (Rs.)		
No.	Product	Qty. (Kg)	Cost of inputs	Gross income	Remarks	
1.	Vermicopmost	1050	4500	8400	Selling of	
					Vermicompost and	
					Vermin	

6.4. Performance of instructional farm (livestock and fisheries production)

Sl.	Name	Deta	ails of production Amount (Rs.)				
No	of the animal / bird / aquatics	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
1.	Poultry birds	Banaraja	21 days old chicks	1500	58000	_	Distributed

6.5. Utilization of hostel facilities : NOT HANDED OVER TILL DATE

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
	Nil	-	Farmers Hostel neither completed nor handed over
Total :	-	-	-

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed: NO, NOT HANDED OVER TILL DATE No. of staff quarters: 6 Date of completion: NOT HANDED OVER Occupancy details: NOT OCCUPIED

Months	QI	QII	Q III	QIV	Q V	QVI
NIL						

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
KVK Contingency	SBI, Malkangiri	Malkangiri	
KVK-RF	SBI, Malkangiri	Malkangiri	

KVK-Sponsore	SBI , Malkangiri	Malkangiri	

7.2. Utilization of funds under CFLD on Oilseed (Rs. In Lakhs)

	Released by ICAR		Expenditure			
Item	Kharif	Rabi	Kharif	Rabi	Unspent balance as on -	
CFLD in G Nut	170000		170000		Nil	
CFLD in Sesamum		170000		170000	Nil	

7.3. Utilization of funds under CFLD on Pulses (Rs. In Lakhs)

	Released by ICAR		Expenditure		Unspent balance
Item	Kharif	Rabi	Kharif	Rabi	as on 1 st April
					2019
NIL					

7.3. Utilization of KVK funds during the year 2018-19 (Not audited)

Rupees in Lakhs.

62

Sl. No.	Particulars	Sanctioned	Released	Expenditure			
A. Re	A. Recurring Contingencies						
1	Pay & Allowances	46.0	46.0	46.0			
2	Traveling allowances	0.70	0.70	0.70			
3	Contingencies	1.0	1.0	1.0			
A	OE & POL office stationeries	0.40	0.40	0.40			
B	Training, Training Materials, Training for RY &						
	Extension Functionaries	0.30	0.30	0.30			
С	Front Line demonstration	0.20	0.20	0.20			
D	On Farm Testing	0.10	0.10	0.10			
D	TSP Contingency	8.0	8.0	8.0			
E	KKA I & II	1.70	1.70	1.70			
F	NADEP Unit Under KKA I	21.0	21.0	21.0			
G	Micro Irrigation Under KKA	1.0	1.0	1.0			
Н	Pre Rabi Campain	0.8	0.8	0.8			
Ι	CFLD Oil Seed & Pulses	3.388	3.388	3.388			
J	Skill Development Training	3.30	3.30	3.30			
	TOTAL (A)	87.888	87.888	87.888			
B. Non-Recurring Contingencies							
1 Nil 0 0 0							
	TOTAL (B)	0	0	0			
C. RI	EVOLVING FUND	0	0	0			
	GRAND TOTAL (A+B+C)	87.888	87.888	87.888			

7.5. Status of revolving fund (Rs. in lakh) for last three years

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2016-17				

2017-18				
2018-19	0	1,10,869	75,943	34,926 +1,63,150* (Paddy seed lifted by OSSC ltd)

7.6. (i) Number of SHGs formed by KVKs-12

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities Value addition , Vegetable production and Mushroom production , Backyard poultry

(iii) Details of marketing channels created for the SHGs – Village level association of vegetable growers and linkage with traders

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both
World soil Health day	01	Rabi	Dept of Agril, Dept of Horticulture, Dept of Soil Conservation, Dept of Animal Husbandry, Dept Fishery	ATMA	Both
KKA I & II	50	Kharif and Rabi	do	ATMA	Both
RE linkage meeting	8	Kharif and Rabi	do	ATMA	Both
Animal vaccination camp	2	Kharif	Animal Husbandry ,	-	-
Pre Rabi campaign	1	Rabi	Dept of Agril, dept of horticulture, Dept of soil Conservation, Dept of Animal Husbandry, Dept Fishery	ATMA	Both

8. Other information

8.1. Prevalent diseases in Crops

Name of the	Crop	Date of	Area affected	%	Preventive measures
disease		outbreak	(in ha)	Commodity	taken for area (in ha)
				loss	
Blast, Neck Blast	Rice	Sept	35000	45	12000
and BLB					
YVMV	Green	Feb	3500	60	500
	Gram ,				
	Okra				
Collar rot , Rust	G Nut	Feb	12000	55	120
and Tikka in G					
Nut					
FAW in maize	Maize	Jan	6500	70	250
	and Sweet				
	corn				
Wilting & Fruit	Tomato &	Oct.	1200	40-60	100
Borer	Brinjal				

						Ŭ
Downy Mildew	Pointed	Oct-Nov	420	40	80	
	Gourd					

8.2. Prevalent diseases in Livestock/Fishery

Name of the	Species affected	Date of	Number of	Number of	Preventive
disease		outbreak	death/ Morbidity	animals	measures
			rate (%)	vaccinated	taken in pond
					(in ha)
FMD	Cattle	August	30	14300	-
PPR	Sheep and goat	Sept	20	7713	

9.1. Nehru Yuva Kendra (NYK) Training- NA

Title of the training programme	Period		No. of the participant		Amount of Fund Received (Rs)
	From	То	М	F	
Nil	-	-	-	-	-

9.2. PPV & FR Sensitization training Programme

Date of organizing	Resource Person	No. of participants	Registration (crop wise)	
the programme				
			Name of	No. of
			crop	registration
19.6.18	KVK scientists and	10	Rice and	5
	Line Dept officials		Millets	

9.3. mKisan Portal (National Farmers' Portal/ SMS Portal)

Type of message	No. of messages	No. of farmers covered
Crop	30	12000
Livestock	5	-
Fishery	-	-
Weather	8	2000
Marketing	2	-
Awareness	3	15800
Training information	-	-
Other	-	-
Total	48	29800

9.4. KVK Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	250
2.	No. of farmers registered in the portal	20226

		05
3.	Mobile Apps developed by KVK	-
4.	Name of the App	-
5.	Language of the App	-
6.	Meant for crop/ livestock/ fishery/ others	-
7.	No. of times downloaded	-

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken	
16.09.2018 to 18.09.2018, 20.09.2018 to 22.09.2018, 24.09.2018 to 27.09.2018, 28.09.2018 to 29.09.2018 & 01.10.2018 to 02.10.2018 (25days)	 Cleaning and beautification of surrounding areas Swachhta Awareness at local level Cleaning of streets, drains and back alleys through awareness drives. Door-to-door meetings to drive behaviour with respect to sanitation behaviours. Village or School-level rallies to generate awareness about sanitation 	

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e- office	1	
2. Basic maintenance	1	
3. Sanitation and SBM	2	
4. Cleaning and beautification of surrounding areas	4	1000
 Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste 	5	2000
6. Used water for agriculture/ horticulture application	_	
7. Swachhta Awareness at local level	15	5000
8. Swachhta Workshops	-	
9. Swachhta Pledge	4	-
10. Display and Banner	4	1000
11. Foster healthy competition	2	-
12. Involvement of print and electronic media	2	
13. Involving the farmers, farm women	10	22500

and village youth in the adopted villages (no of adopted village)		
14. No of Staff members involved in the activities		
15. No of VIP/VVIPs involved in the activities	25	2250
16. Any other specific activity (in details)		
Total	75	33750

9.6. Observation of National Science day-NA

Date of Observation	Activities undertaken
-	-

9.7. Programme with Seema Suraksha Bal/ BSF- NA

Title of Programme	Date	No. of participants
-	-	-

9.8. Agriculture Knowledge in rural school

Name and address of	Date of visit to	Areas covered	Teaching aids used
school	school		
Mundaguda school,	01.10.2018 to	Vegetable	Leaflets, posters
Malkangiri	02.10.2018	Cultivation	and live materials
Tandapali School,	24.09.2018 to	Nutritional garden	Leaflets, posters and
Malkangiri (MP adopted	27.09.2018	_	live materials
village)			

Give good quality 1-2 photograph(s)

9.9. Details of 'Pre-Rabi Campaign' Programme

Date of programm e	No. of Union Minist	No. of Hon'ble MPs	No. of State Govt.			Pa	rticipants	(No.)			Cove rage by	Cove rage by
	ers attende d the progra mme	(Loksabha/ Rajyasabha) participated	Minister s	MLAs Attende d the program me	Chairma n ZilaPanc hayat	Distt. Collecto r/ DM	Bank Offici als	Farmers	Govt. Officials , PRI member s etc.	Total	Door Dars han (Yes/ No)	other chan nels (Num ber)
9.3.19	0	0	10	0	0	0	2	200	10	210	Y	2

9.10. Details of Swachhta Hi Sewa programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of V	IP(s)
1	Awareness activity	4	200	5	Line officials & 1 Staff	dept KVK
2	Organizing waste collection drives in households and common or shared spaces	2	40		Line officials & 1 Staff	dept KVK
3	Conducting door-to-door meetings to drive behaviour with respect to sanitation behaviours	2	60		Line officials & 1 Staff	dept KVK
4	Organizing awareness campaigns around better sanitation practices like using a toilet, hand washing, health and hygiene awareness, etc.	3	200	4	Line officials & 1 Staff	dept KVK
5	Conducting Village or School- level rallies to generate awareness about sanitation	2	100	2	Line officials & 1 Staff	dept KVK

9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participa nts	No. of VIPs	Name (s) of VIP(s)
1	Awareness Programme	4	50	4	Line dept officials

9.12. No. of Progressive/ Innovative/ Lead farmer identified (category wise)

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1	Sri Bhima Madkami	Village- Boilapari Dist Malkangiri Ph- 7894465501	IFS model
2	Sri Ajaya Mandal	Village: MV-8 Block: Malkangiri Dist: Malkangiri Mobile No. 9438022045	Artificial pollination in pointed gourd

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

9.13. Revenue generation- NA

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Nil	-	No

9.14. Resource Generation:

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1	Skill Development	Capacity Building Programme	ASCI	3.30	Nil

9.15. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e.	Present status of functioning
	IMD/ICAR/Others (pl. specify)	
June 2018	IMD	Functioning
(Manual weather station)		

9.16. Contingent crop planning

Name	Name of	Thematic area	Number of	Number of	A brief about contingent
of the	district/KV		programmes	Farmers	plan executed by the
state	K		organized	contacted	KVK
Odisha	Malakangiri	IPM and Crop Management and drought mitigation	8	420	Midseason Drought, Heavy rainfall in Cropping season & Incidence of Disease and Pest (Like Stem Borer, BPH & Blast)

10. Report on Cereal Systems Initiative for South Asia (CSISA) -NA

- a) Year:
- b) Introduction / General Information:

Title	Objective	Treatment	Date of	Replication	Result with
		details	sowing		photographs

Experiment 1	Nil	-	-	-	-	-
Experiment 2	Nil	-	-	-	-	-
Experiment 3	Nil	-	-	-	-	-
Others (If any)	Nil	_	-	-	-	-

11. Details of TSP

a. Achievements of physical output under TSP during 2017-18

Programmes	Physical achievements
Asset creation (Number; Sprayer, ridge maker, pump set,	60
weeder etc.)	
On-farm trials (Number)	5
Frontline demonstrations (Number)	16
Farmers training (in lakh)	0.0173
Extension personnel training (in lakh)	0.0004
Participants in extension activities (in lakh)	0.0385
Seed production (in tonnes)	6.5
Planting material production (in lakh)	0.092
Livestock strains and fingerlings production (in lakh)	0.015
Soil, water, plant, manures samples testing (in lakh)	0.0015
Provision of mobile agro – advisory to farmers (in lakh)	0.00048
No. of other programmes (Swachha Bharat Abhiyaan,	65
Agriculture knowledge in rural school, Planting material	
distribution, Vaccination camp etc.)	

b. Fund received under TSP in 2017-18 (Rs. In lakh): 8.0 lakh

c. Achievements of physical outcome under TSP during 2017-18

S1. No.	Description	Unit	Achievements		
1	Change in family income	%	45		
2	Change in family consumption level	%	60		
3	Change in availability of agricultural	No. per	4/ family		
	implements/ tools etc.	household			

d. Location and Beneficiary Details during 2017-18

District	Sub-district	No. of Village	Name of village(s) covered	ST population benefitted (No.)				
		lovereu		M	F	Т		
Malakngiri	Malakangiri	50	Boilapari , Nilimari	450	200	650		

		70
and Kalimela	Pradhaniguda, MV-3, Kadabahal, Jharapalii Dariguda,Boilaparri	

12. Progress report of NICRA KVK (Technology Demonstration component) during the period (Applicable for KVKs identified under NICRA)- NA

Natural Resource Management-NA

Name of intervention	Numbers	No	Area	No of farmers covered /						Remarks		
undertaken	under	of	(ha)			be	enefit	ted				
	taken	units										
				SC	ST		Oth	er	Tot	tal		
				M	F M	F	Μ	F	Μ	F	Т	

Crop Management-NA

Name of intervention undertaken	Area (ha)	N	lo of fai be	rmers cov enefitted	vered /	Remarks
		SC	ST	Other	Total	
		M F	M F	M F	M F T	

Livestock and fisheries-NA

Name of intervention undertaken	Number of animals covered	No of units	Area (ha)	No of farmers covered / benefitted				Remarks
				SC	ST	Other	Total	
				M F	M F	M F	M F T	

Institutional interventions-NA

Name of intervention undertaken	No of units	Area (ha)		No of farmers covered / benefitted						Remarks		
			SC		ST	1	Otł	ner	Tot	al		
			M	F	M	F	Μ	F	M	F	Т	

Capacity building-NA

										, T
Thematic area	No of Courses	No of beneficiaries								
		SC	ST		Oth	ner		Total		
		Μ	F	M	F	M	F	М	F	Т

Extension activities-NA

Thematic area	No of activities	No of beneficiaries								
		SC ST Other Total								
		M	M F M		F	М	F	М	F	Т

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK- NA

Sl. No.	Name of the Award	Year	Conferring Authority	Amount	Purpose
1	Nil	-	-	-	-

Award received by Farmers from the KVK district

S1.	Name of the	Name of the	Year	Conferring Authority	Amount	Purpose
No.	Award	Farmer				
1	Progressive	Sri. Bhima	2018	VC , OUAT BBSR	-	Achiever
	farmers	Madkami				Farmer
	award in					
	OUAT					
	foundation					
	day					

14. Any significant achievement of the KVK with facts and figures as well as quality photograph

Significant achivement

SWEET CORN: A NEW AVENUE FOR TRIBALS

SWEET corn (*Zea mays var. saccharata*) also called sugar corn and pole corn is a variety of maize with high sugar content. Sweet corn is favourable for fresh consumption because of its delicious taste, soft and sugary texture compared to other corn varieties



KrishiVigyanKendra, Malkangiri popularized sweet corn var. "Sugar -75" through front line

demonstration programmes in 2016-17 & 2017-18 and supplied seed of sweet corn to the farmers of the Malkangiri, Korkunda and Kalimela block under Tribal Sub Plan programme with technical guidance about sweet corn cultivation and market linkage support to the farmers.

By adopting the improved sweet corn cultivation the farmers are able to get as yield 22.000cobs per acre with good quality and size. By sailing the cobs in local markets @Rs. 5-6 per cob, they are getting gross return of Rs. 1,10,000/- with a net profit of Rs 65,000/- per acre. The demand of sweet corn is increasing gradually and farmers are interested to adopt sweet corn cultivation as a remunerative enterprise. The horizontal spread of the sweet corn cultivation has reached up to 180.0 acre in the district. Sweet corn brings hope to tribal farmers



15. Number of commodity based organizations/ farmers' cooperative society/ FPO formed/ associated with during last one year (Details of the group/society may be indicated)-NA

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Member s	Financia l position (Rupees in lakh)	Success indicator
<u> </u>								

16. Integrated Farming System (IFS) Area -1.0 ha Details of KVK Demo. Unit

2000		met e mit					
Sl.	Module	Area	Production	Cost of	Value realized in	No. of farmer	% Change in
No.	details	under	(Commodi	production	Rs.	adopted	adoption during
	(Component-	IFS (ha)	ty-wise)	in Rs.	(Commodity-	practicing IFS	the year
	wise)			(Componen	wise)		-
				t-wise)			
1	Paddy	0.4 ha	16 qtl	15000	24800	50	40
2	Pisiculture	0.4 ha	10 qtl	5.0 qtl	50000	100	50
	Vegetables				50000	120	35
3	and fruit	0.2 ha	100 atl	30000		-	
	Crops		1				
4	Daviltury	50	1001		20,000	80	30
4	Poultry	birds	TUUKg		·		
17. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	Sweet corn Cultivation	Sweet corn Var Sugar - 75	80000	220	
2	ICM in rice	HYV with IPM measures	20000	550	
3	Back yard poultry	Poultry Breed Banaraja and Kadaknatha	5000(30 birds)	800	
4	INM in G. Nut	Hyv G. Nut Variety – ICGV-91114 with sulphur application.	35,000/-	620	

18. Report on Digital Farming Initiatives in Agriculture/ Digital Ag. Extension Service- NA

	Database pre	pared/ covered for	KVK leve	l Committee	Various activity
Phase	Total no. of	Total no. of	Date of	Name of	conducted for farmers
	villages	farmers	formation	members	
I (up-to 15.03.2018)					
II (up-to 24.04.218)					
Total					

19. Information on Visit of Ministers to KVKs, if any - NA

Date of Visit	Name of Hon'hle Minister	Name of Ministry	Salient points in his/her observation
		I vanie of ivinistry	(2-3 bulleted points)

 a) Information on ASCI Skill Development Training Programme, if undertaken during 2017-18 and 2018-19

Year	Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants	Whether uploaded to SDMS Portal (Y/N)	Fund utilized for the training (Rs.)
2016-17	NA						
2017-18	NA						
2018-19		Mr. N	19.1.2019	12.2.2019	20	Y	165000
	Mushroom	Behera					
	Growers	(Scientist					
		Agronomy)					
	Quality	A K Rai	19.1.2019	12.2.2019	20	Y	165000
	Seed	(Scientist					
	Growers	Seed					
		Science)					

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2018-19- NA

Thematic area of training	Title of the training	Duration (in hrs.)	No.	No. of participants								Fund utilized for the training (Rs.)
			SC		ST	ST		ler	Tot	al		
			M	F	Μ	F	M	F	M	F	Т	

21. Information on NARI Project (if applicable)-- NA

Name of Nodal Officer	No. of OFT on specified aspects	Title(s) of OFT	No. of FLD on specified aspects	No. of capacity development programme on specified aspects	Total no. of farm women/ girls involved in the project	Details of Issues related to gender mainstreaming addressed through the project

22. Information on Krishi Kalyan Abhiyan Phase-I/ Phase-II/ Phase-III, if applicable

Krishi Kalyan Abhiyan- I and II

A. Training

Name of programme	No. of programmes		No. of farmers benefitted											
		S	SC ST Others Total											
		M	M F M F M F T											
KKA-I														

KKA-II						

B. Distribution of seed/ planting materials/ input/ others

Name of progra mme	No. of Prog ram me	Tot	al quantii	ty distril	buted			No	. of farn	ners ben	nefited				No. of other officials (except KVK) attended the programme
		See	Planti	Inpu	Othe	SC		ST		Others		Total			
		d (q)	ng materi al (lakh)	t (kg)	r (kg/ No.)	М	F	М	F	М	F	М	F	T	
KKA-I															
KKA- II															

C. Livestock and Fishery related activities

Name of	No.		Activities	performe	ed			No.	of far	ners l	benefit	ed			No. of other
program	of Duc	No. of	No. of	Feed/	Any	S	С	S	T	Ot	hers		Total		officials
me	ero gra	anima Is	anima Is	nutrie nt	otner (Distrib				F	14	F	14		T	(except KVK)
	mm e	vaccin ated	dewor med	supple ments provid ed (kg)	ution of animals / birds/ fingerli ngs) [No.]	М	F	M	F	M	F	M	F		attended the programme
KKA-I															
KKA-II															

D. Other activities

Name	Activities			No	. of far	mers b	enefite	ed			No. of other
of		S	С	S	T	Ot	hers		Tote	ıl	officials
progra mme		М	F	М	F	M	F	M	F	Т	(except KVK) attended the programme
KKA-I	Soil Health Card Distributed										25
	NADEP Pit established							22 5	75	300	35
	Farm implements distributed										25
	Others, if any Capacity building prog									225 0	50
KKA-II	Soil Health Card Distributed										10
	NADEP Pit established										50

Farm					15
implements					
distributed					
Others, if any					

Krishi Kalyan Abhiyan- III

No. of villages covered	No. of animal inseminated	No. of farmers benefitted SC ST Others Total				Any other, if any (pl. specify)					
		M	F	M	F	M	F	M	F	Т	

23. Any other programme organized by KVK, not covered above

Sl. No.	Name of the programme	Date of the programme	Venue	Purpose	No. of participants
1	Pre Rabi campaign and Krishak Mela	09-03-2019	MPV -1	Awrness programme	200

24. Good quality action photographs of overall achievements of KVK during the year (best 10)



Nitrogen Management through LCC

Sweet Corn var. Sugar 75







Linkage Programme With PD, DRDA & NABARD

Skill Development Programme (ASCI)



Swatchata Activities

Distribution of SHC





Sweet Corn Cultivation Year of Publication-2018-19

Annexure-1

SAC Recommendations

The salient recommendations of SAC meeting conducted on 7.2.2019-

- Input dealers training programme should be HELD at KVK, Malkangiri.
- **4** Training on adjustment of spacing in power weeder.
- ↓ Literature on ITK should be documented
- **4** OFF campus training programme on Mushroom cultivation for income generation
- FLD on Ca and Bo in groundnut crop.
- Popularisation of Kadaknath as Backyard Poultry
- **4** To make extensive outreach of KVK programme in convergence mode with line dept.
- 4 Climate Ressilient agriculture technologies should be included in FLD programmes
- **4** Development of entrepreneurs on mushroom and vermicompost production
- 4 Trials should be conducted on suitable time of sowing green gram and sesame in the district.
- 4 OFT should be taken on Orange skinned potato in Malkangiri for nutritional security

- **4** Organise more numbers of Exposure visit of farmers with the collaboration of ATMA.
- More number of in- service training programmes should be conducted by the KVK about frontier technologies
- Steps should be taken to create Awareness about LCC use for N fertiliser management by the farmers with help of line departments.
- Steps should be taken by KVK to Create the awareness among the farmers regarding the soil hazard due to the excess application of chemical fertilizers.
- 4 Off season vegetable production should be taken up for higher net profit by the farmers
- 4 New varieties of root crops should be taken under KVK demonstration programmes

↓ List of members present in the 13th SAC

	with 01.		D1-07-02-2019
	14th Scientfic	Advisorcy	Committe Meeting
SL.No.	NAME	DESIGNATION	SIGNATURE
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2	Dr Samere Ranjan	SenierSeed	nde 21
	Dash	Atlead Kon	8222h
	Rama Chandra Patnain	DISA, Maluo,	ngtri Rhai 31 21 19
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-	Nigamanande Behera	Scientest (Agronomy)	All Shore 2102/19
5	Dr. Anus kumar Rai	Brientest).	Be
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18 SL.NO. NAME DESIGNATION SIGNATURE SIMC. · 102/0702-19 Kishore chanter Dutry A AO. 16 Durgo Shom part - A pro DHARITRI 17 ADF B.B. Rojashekhi Reddy. 18 monday ADF, Niti Aayog Dr. Marjit Lad 19 9126916 Sarabi Manche Farmen 20 Resounte Handon Farmen BASANTI HANSDA 21 "Bhima madkami BHIMA MADKAMI Former 22 "हास्त्रा जनाइ Farmen 23 SUKRA- MADKAMI " chand numer 24 farmer chand murmu * OKesto TSED, MKG 25 Rakesh Ku Mayan TSRD (Pro Monuger) * AD 20 Homageijan Sur Ruy Koethel chalor and " Brom 27 Desmapping "mahener Barrai methen dre poinsi 28 FARMER * Sohe paroji 29 SONA PANGI Farmer · B. Beel Bhobaynahi Buy GDS 80



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Annexure-2

FARM INOVATOR SRI AJAYA MANDAL INNOVATION- ARTIFICIAL POLLINATION IN POINTED GOURD <u>AN INNOVATIVE STORY</u>

NAME AND ADDRESS:

Sri Ajay Mandal Age: 45 Educational Qualification: 8th Pass Farming Experience: 12 years Village: MV-8 Block: Malkangiri Dist: Malkangiri Mobile No. 9438022045



Initial status

Sri Ajay Mandal of MV-8 village is a small farmer. He owns 6.0 acre of land where he used to cultivate crops like Paddy, Green gram and different vegetables to manage his family with difficulty. Ajay got an opportunity to attend training cum exposure visit on pointed gourd cultivation at Boriguma farm organized by KVK Malkangiri during year 2015 by seeing the crop as profitable enterprise he wished to adopt the technology of pointed gourd as a remunerative and profitable enterprise. KVK Scientist imparted training on packages and practices of pointed gourd cultivation and supplied him the good quality planting materials of pointed gourd. Then he tried out pointed gourd cultivation in 20 cent of land. He faced a lot of problem following the practices which he learned from the training. Subsequently he adopted different practice by his own innovative knowledge and came up as successful grower. His intuitiveness is briefed below.

Recommended practice	Problem faced	Innovative practice
Growing of male and female plants together at the ratio	Suppress growth of female plants due to vigorous vegetative growth of male plants	Planting of male plants in separate beds

No artificial pollination is requiredLow yieldYield is 2.5 times more when artificial pollination is practiced. (Artificial pollination): Plucking of male flowers, removal of petals, collection of pollens by hammering with a wooden attick in a glass, diluting with
pollination is required artificial pollination is practiced. (Artificial pollination): Plucking of male flowers, removal of petals, collection of pollens by hammering with a wooden stick in a glass diluting with
required practiced. (Artificial pollination): Plucking of male flowers, removal of petals, collection of pollens by hammering with a wooden stick in a glass diluting with
pollination): Plucking of male flowers, removal of petals, collection of pollens by hammering with a wooden stick in a gloss diluting with
flowers, removal of petals, collection of pollens by hammering with a wooden stick in a gloss diluting with
collection of pollens by hammering with a wooden
hammering with a wooden
stick in a glass diluting with
water, sieving using a net and
pollinating female flowers by
putting a drop of solution
using a dropper. In rainy
season plucking of male
flower buds in the afternoon
overnight keeping in water
and pollinating plants in the
morning when the weather is
favorable
Gross return is Rs.100,000/-
Rs.40,000/- per per acre with an additional
acre cost of Rs. 18000/- towards
labour cost for artificial
pollination(5 persons/Family
members/Children @ 1.5 Hr.
per day per acre required for
pollination).
No artificial Poor fruit setting. Better fruit setting. good size
pollination is small size and weight and weight of the fruit is more
required of the fruit is low (70 %, 18-20 fruits weigh one
(30 %, 25-30 fruits Kg.)
weigh one Kg.)

Mr. Ajay Mandal has opened the eyes of the pointed gourd growers of Malkangiri district through his innovative practice. Malkangiri district has got a special niche in pointed gourd cultivation in Orissa due to lucrative return and availability in rainy season practicing artificial pollination.



(Soaking of Flower buds)



(Hammering with wooden stick after separating petals & calyx)



(Preparation of pollen solution)



(Pollinating female flowers using a dropper)



(Planting of male plants in separate beds)



(Planting of female plants in separate beds)

- Training
 KKA
- 3. Account No
- Financial statement (Revolving & Contingency fund)
 Training report......