ACHIEVEMENT REPORT OF KVK, GANJAM-II, <u>APRIL,2019 TO MARCH, 2020</u>

1. (i)Trainingfor farmers& farm women:

KVK	Discipline	No. conducted		No. of b	eneficia	ary	
			Male	Female	SC	ST	Total
Ganjam-II	Crop production	12	222	78	43	32	300
Ganjam-II	Crop protection	12	204	96	32	21	300
Ganjam-II	Horticulture	12	191	109	46	56	300
Ganjam-II	Soil Science	12	239	61	41	35	300
Ganjam-II	Animal Science	-	-	-	-	-	-
Ganjam-II	Fishery Science	12	216	84	47	28	300
Ganjam-II	Home Science	-	-	-	-	-	-
Ganjam-II	Extension Education	-	-	-	-	-	-
Ganjam-II	Forestry	-	-	-	-	-	-
Ganjam-II	Agril. Engineering	-	-	-	-	-	-
Ganjam-II	Others(Specify)	-	-	_	-	-	-
	Total	60	1072	428	209	172	1500

(ii)Training for rural youths:

KVK	Discipline	No. conducted		No. of b	eneficia	ary	
			Male	Female	SC	ST	Total
Ganjam-II	Crop production	04	48	12	13	8	60
Ganjam-II	Crop protection	04	43	15	7	11	60
Ganjam-II	Horticulture	04	47	13	2	13	60
Ganjam-II	Soil Science	04	60	0	5	20	60
Ganjam-II	Animal Science	-	-	-	-	-	-
Ganjam-II	Fishery Science	04	52	08	12	11	60
Ganjam-II	Home Science	-	-	-	-	-	-
Ganjam-II	Extension Education	-	-	-	-	-	-
Ganjam-II	Forestry	-	-	-	-	-	-
Ganjam-II	Agril. Engineering	-	-	-	-	-	-
Ganjam-II	Others(Specify)	-	-	-	-	-	-
	Total	20	250	48	39	63	300

(iii)Training for Extension personnel:

KVK	Discipline	No.		No. of	benefic	iary	
		conducted	Male	Female	S.C.	S.T.	Total
Ganjam-II	Crop production	1	11	4	3	1	15
Ganjam-II	Crop protection	0	0	0	0	0	0
Ganjam-II	Horticulture	1	8	7	2	0	15
Ganjam-II	Soil Science	1	9	6	2	0	15
Ganjam-II	Animal Science	-	-	-	-	-	-
Ganjam-II	Fishery Science	0	0	0	0	0	0
Ganjam-II	Home Science	-	-	-	-	-	-
Ganjam-II	Extension Education	-	-	-	-	-	-
Ganjam-II	Forestry	-	-	-	-	-	-
Ganjam-II	Agril. Engineering	-	-	-	-	-	-
Ganjam-II	Others(Specify)	-	-	_	-	-	-
	Total	3	28	17	7	1	45

(iv)Sponsored training:

KVK	Discipline	No.	Duration		No. of be	nefic	iary		Sponsoring agency
		conducted	(days)	Male	Female	SC	ST	Total	
Ganjam-II	Crop production	-	-	-	-	-	-	-	-
Ganjam-II	Crop protection	-	-	-	-	-	I	-	=
Ganjam-II	Horticulture	-	-	-	-	-	-	-	-
Ganjam-II	Soil Science	-	-	-	-	-	-	-	-
Ganjam-II	Animal Science	-	-	-	-	-	-	-	-

Ganjam-II	Fishery Science	_	-	-	-	-	-	_	-
Ganjam-II	Home Science	-	-	-	-	-	-	-	-
Ganjam-II	Extension Education	-	-	-	-	-	-	-	-
Ganjam-II	Forestry	-	-	-	-	-	-	-	-
Ganjam-II	Agril. Engineering	-	-	-	-	-	-	-	-
Ganjam-II	Others(To promote the	1	1	44	26	15	8	70	Engineering in chief cum
	Use of energy efficient								Principal Chief electrical
	Agril. Pump sets)								Inspector, Energy Dept.
									Odisha
	Total	1	1	44	26	15	8	70	-

2. (i) On-Farm Testing:

KVK	Discipline	No.	Area	Enterprise		No. of b	enefic	iary	
		conducted	(ha)	(no.)	Male	Female	SC	ST	Total
Ganjam-II	Crop production	02	02	-	12	0	2	1	12
Ganjam-II	Crop protection	02	02	-	14	0	2	3	14
Ganjam-II	Horticulture	02	0.8	-	11	3	2	5	14
Ganjam-II	Soil Science	02	0.8	-	14	0	3	0	14
Ganjam-II	Animal Science	-	-	-	-	-	-	-	-
Ganjam-II	Fishery Science	02	7.0	-	11	01	03	0	12
Ganjam-II	Home Science	-	-	-	-	-	-	-	-
Ganjam-II	Exten. Education	-	-	-	-	-	-	-	-
Ganjam-II	Forestry	-	-	-	-	-	-	-	-
Ganjam-II	Agril. Engineering	-	-	-	-	-	-	-	-
Ganjam-II	Others(Specify)	-	-	-	-	-	-	-	-
	Total	10	12.6	0	62	4	12	9	66

(ii) Salient achievements of On –Farm Testing (OFT) (Best three):

KVK	Crop/	Season	Technology Assessed	Farmers'	OFT yield	Yield in	%
	Component		(Give in detail)	practice	(q/ha)	farmers'	Increase
				(Give in		practice	in yield
				detail)		(q/ha)	
Ganjam-II	Ragi	Kharif	Assessment on	Use of local	TO1 – 19.8	17.2	15.11
		2019		variety -	TO2 – 22.7		31.97
			5 0 0	Budha	TO3 – 20.4		18.60
			2	mandia			
			TO2 - Variety Arjun				
			TO3 - Variety Kalua				
Ganjam-II	Tuberose	Kharif		Calcutta	TO1 = 6.77t/ha	5.07 t/ha	33.53
		2019		single	TO2=6.01t/ha		18.54
			TO1: Arka Prajwal				
			TO2: Arka Nirantar				
Ganjam-II	Cauliflower	Rabi	Assessment of secondary		TO1 = 241.4	191.3q/ha	26.2
		2019		of chemical	TO2=235.7		23.2
			nutrient for curd quality				
				(110:46:45Kg			
				$N: P_2O_5: K_2O$			
			TO1:STBF (NPK) +	/ha) only			
			Sulphur @ 30 kg ha ⁻¹ +				
			1 kg Boron as Borax as				
			basal application				
			TO2: STBF (NPK)				
			+Sulphur @ 30 kg ha^{-1} +				
			two foliar spray Borax				
			@ 0.25% at 10 days				
			interval starting from 30				
			days after planting				

	Frontime demonstration (general).								
KVK	Discipline	No.	Area	Enterprise		No. of b	enefic	iary	
		conducted	(ha.)	(no.)	Male	Female	SC	ST	Total
Ganjam-II	Crop production	04	8	-	34	06	06	02	40
Ganjam-II	Crop protection	04	4	-	20	00	02	03	20
Ganjam-II	Horticulture	04	1.6	-	19	01	00	03	20
Ganjam-II	Soil Science	04	4.2	-	26	04	01	03	30
Ganjam-II	Animal Science	-	-	-	-	-	-	-	-
Ganjam-II	Fishery Science	04	08	-	16	12	12	00	28
Ganjam-II	Home Science	2	-	20	-	20	3	2	20
Ganjam-II	Extension Education	-	-	-	-	-	-	-	-
Ganjam-II	Forestry	-	-	-	-	-	-	-	-
Ganjam-II	Agril. Engineering	-	-	-	-	-	-	-	-
Ganjam-II	Others(Specify)	-	-	_	-	-	-	-	-
	Total		25.8	20	115	43	24	13	158

3. (i) Frontline demonstration (general):

(ii) Salient achievements of frontline demonstration (general) (Best three):

KVK	Title	Season	Intervention (Give in detail)	Farmers' practice (Give in detail)	FLD yield (q/ha)	Yield in farmers' practice (q/ha)	% increase in yield
Ganjam- II	Demonstration on tomato variety- Arka Rakshak	Rabi, 2019- 20	Cultivation of triple disease resistant tomato F ₁ hybrid Arka Rakshak	Cultivation of hybrid tomato variety Laxmi	471.46 q/ha	350.39 q/ha	34.55
Ganjam- II	Demonstration on use of Sea Weed Extract for better growth and survivability of carp Fry in Nursery	Kharif 2019	Use of sea weed extract @ 1 Kg/Ac/month+ Mineral Mixture 1kg/Ac/month in two split doses at fortnight interval.	use of Raw Cow dung to fertilise the pond	-	1.80 Lakh/ha (survivability- 60%)	25
Ganjam- II	Demonstration of weed management in Rice	Kharif 2019	Application of Bensulfuron methyl + pretilachlor (Londax power) @ 60+600g/ha at 3 DAT	No use of weedicide in rice hand weeding at 21 DAT	45.28	40.56	11.6

4. (i) Clusterdemonstration on oilseed & pulse:

KVK	Season	Crop	Variety	Area	No. of beneficiary				
				(ha)	Male	Female	SC	ST	Total
Ganjam-II	Rabi 2019-20	Greengram	IPM 02-14	10	23	2	-	25	25

(ii)Salient achievements under Cluster demonstration on oilseed and pulse:

KVK	Season	Crop	Intervention	FLD	Local	% increase
			(Give in detail)	yield	yield	in yield
				(q/ha)	(q/ha)	over local
Ganjam-II	Rabi	Greengram	Improved seeds(IPM 02-14), Seed	6.8	5.1	33.3
-	2019-20	_	treatment with(Carbendazim) @ 2gm/kg			
			seed, spraying of Imizathypir 2ml / lt of			
			water for control weeds, spraying of N-P-			
			K(19-19-19) for better flowering & growth,			
			Spraying of Thiomethoxam @ 5gm/15lt of			
			water for controlling leaf curl problems,			
			Installation of Yellow sticky traps @ 10			

nos/ha & spraying of Multineem @ 2.5ml/ lt of water for controlling pod borer
problems.

5. Other extension activities:

Sl.No.	Extension activities	No. of activities	No. of beneficiaries
1	Exhibition	3	Mass
2	Field days	12	600
3	Kissan Mela	3	1000
4	Research – Extension interface meeting	6	95
5	Special day celebration(Agril. Education Day, Jai Kisan Jai Vigyan, MahilaKisan Divas, Women in Agriculture Day, World Food Day, World Meteorological Day, World Soil Day)	10	1200
6	Soil Health Camp	2	120
7	Animal Health Camp	-	-
8	Soil test Campaign	2	200
9	Scientists visit to farmers' field	216	860
10	No. of farmers visit to KVK	-	308
11	Diagnostics visit	56	920
12	Group meeting	15	750
13	Kissan Gosthi	2	50
14	Radio talk	14	Mass
15	Television talk	22	Mass
16	News paper Coverage	16	Mass
17	Exposure Visits	-	-
18	No. of farmers' club formed	-	-
19	Farmers' club meetings held	-	-
20	SHG convention	10	150
21	Ex-trainees sammelan	-	-
22	Film show	-	-
23	Lectures delivered as resource person	12	60

6. Publication:

Sl.No.	Item	No.	No. of copies printed
1	Book/ Booklet	5	2500
2	Leaflets	5	5000
3	Poster/Flex	45	45
4	News letter	2	1000
5	News paper Coverage	16	-
6	Popular Articles	5	-
7	Technical bulletins	5	5
8	Technical report	18	75
9	Training material	30	750
10	Year planner	1	10
11	CDs/ DVDs	3	6
	Total	135	9391

7. Soil and water sample analysis:

KVK		Soil Water				Water				No. of
	Tested in KVK lab.	Tested by Mrida Parikhyak	Tested outside	Total	Tested in KVK lab.	Tested by MridaParikhyak	Tested outside	Total	total (soil + water)	soil health card issued
Ganjam-II		200		200	-	21		21	221	534

8. Scientific Advisory Committee Meeting:

KVK		Kharif		Rabi			
	Date No. of participant		ts Date		No. of par	ticipants	
Ganjam-II	-	-	16.01.2020)	45	5	
9. Awa	areness prog	gramme on Pradhani	mantriPhasalBima	Yojana:			
KVK	Date	•	Parti	cipants			
		Male	Female	SC	ST	Total	
Ganjam-II	-	-	-	-	-	-	

10. Farmers' fair:

KVK	Date	Venue: Village & Block	Participants				
			Male	Female	SC	ST	Total
Ganjam-II	01.07.2019	Van Mahotsava	260	60	86	45	320
		KVK, Campus					
Ganjam-II	22.10.2019	Fertilizer Application Awareness	210	40	67	34	250
-		Programme ,KVK, Campus					
Ganjam-II	05.12.2019	World Soil Day 2019	34	16	13	8	50
-		KVK, Campus					

11. Kissan mobile advisory service (KMAS):

KVK	No. of message sent	No. of farmers benefited	No. of extension functionary benefitted
Ganjam-II	66	20960	200

12. HRD activities under taken:

Title of the HRD Programme	Date	No. of participants	Category of participation

13. NICRA Activities (For NICRA KVKs):

KVK	Name of NICRA Village	Climate vulnerability

(Give module-wise results)

14. Skill development training:

Sl.no.	Name of KVK	Name of the trade	Date of training	No. of participants				
				Male	Female	SC	ST	Total

15. Seed & Quality Planting Material production:

(i) Achievement Kharif 2019: Paddy seed

KVK	Variety	Class	Area (ha)	Production (q)	Yield (q/ha)
Ganjam-II	Swarna sub-1	Foundation	04	117.4	-
		Seed		(Processed)	

(ii) Achievement Rabi 2019 -20: Paddy seed

KVK	Variety	Class	Area (ha)	Production (q)	Yield (q/ha)

(iii) Achievement on seed production of non- paddy crops:

10.. **Pulses:**

KVK	Crop	Variety	Class	Area (ha.)	Production (q)	Yield (q/ha.)

b. Oilseed crops:

KVK	Crop	Variety	Class	Area (ha.)	Production (q)	Yield (q/ha.)

c. Other crops:

KVK	Crop	Variety	Class	Area (ha.)	Production (q)	Yield (q/ha.)

(iv) Quality planting material production:

KVK	Name ofplant	Variety	No. produced
Ganjam-II	Chilli	Arka Harita	10000
		Arka Meghna	10000
Ganjam-II	Tomato	Arka Rakshak	12000
Ganjam-II	Brinjal	Akshita	8000
Ganjam-II	Papaya	Red lady	2000
Ganjam-II	Drumstick	PKM-1	500
Ganjam-II	Capsicum	Ganga	1000

(v) Fruit production:

Name of	Name of	Total no. of	Total no. of	Quantity	Sale proceed (Rs.)
KVK	fruit crops	fruit plants	bearing plants	produced (Kg.)	

(vi) Other materials produced:

KVK	Name of the item	No./ Kg .produced
Ganjam-II	Vermicompost	20q
Ganjam-II	Vermi	10 kg
Ganjam-II	Fish Yearlings	700 no.
Ganjam-II	Ornamental Fish	1720 no.
Ganjam-II	Table size fish (Carp+Catfish)	110 no.

(vii) Economics of revolving fund activities:

KVK	Expenditure (Rs.)	Gross return (Rs.)	Net profit (Rs.)
Ganjam-II	210354.50	481189.60	270835.60
		{Rs. 111600.00 Sale proceed	
		Rs. 3536 .00 Bank interest	
		Rs. 366053.6 (117.4 q @Rs. 3118.00) Tentative }	

16. Achievement of programme on doubling the farmers' income:

KVK	Title	Details of technology	Yield (q/ha)	%increase	Cost of	Net	B:C
			Demo.	FP		Production	return	
						(R s)	(R s)	
Ganjam-	Demonstration	Kasi Kanchan variety is	148.6	108.	37.66	119429	177951	2.49
II	on cowpea	bushy(height50-60 cm),,	9	01				
	variety- Kashi	early flowering (40-						
	Kanchan	45days after sowing)						
		early picking (50-55)						
		days after sowing						
Ganjam-	Demonstration	Application STBF based	23.16	18.7	23.58	46650	71234	2.53
II	on INM in	NPK + sulphur 40 kg		4				
	groundnut	/ha + boron as borax @						
	-	10kg/ha as basal						
		application						

17. Achievement on Pulses Seed Hub(For seed hub KVKs):

17. Renie venient on 1 uises Seeu Hub (1 of Seeu hub IX (RS).								
KVK	Season	Name	Area	Variety	Class	Production (q)	Cost of	Net
		of			of		Production	return(Rs)
		crop			seed		(R s)	

18. Achievement on Head to Head trial of IRRI rice varieties

KVK	Name	Area(ha)	No. of	Details of	Yield(q	(/ha)	%	Cost of	Net	B:C
	of var.		farmers	Technology	Demo	FP	Increase	Production	return	
				demonstrated				(R s)	(R s)	

19. Achievement on KKA activities:

KVK	Name of activity	No. of farmers involved

- 20. Achievement on any special programme(ARYA/ PKVY/Centre of Excellence etc./ other special projects):
- 21. Brief report on workshops, summer courses, symposia, training programmes attended by KVK scientists:

Name of the Scientist participated	Designation	Торіс	Place	Period
Mrs Kabita Mishra	Scientist (Agronomy)	Workshop on problem prioritization and finalization of action plan	KVK Kandhamal	10.5.2019 to 13.5.2019
Mrs Kabita Mishra	Scientist (Agronomy)	Workshop for problem confirmation in the process of action plan development	DEE,OUAT	3 days
Mrs Kabita Mishra	Scientist National Seminar on "Climate		OUAT	2 days
Mrs Kabita Mishra	Scientist (Agronomy)	Training programme on "Agro eco system analysis for participatory planning	DEE.OUAT	17.2.2020 to 21.2.2020
Mrs Sushree Choudhury	Scientist (Horticulture)	Workshop on problem prioritization and finalization of action plan	KVK Kandhamal	10.5.2019 to 13.5.2019
Mrs Sushree Choudhury	Scientist (Horticulture)	Training programme on "Agro eco system analysis for participatory planning	DEE,OUAT, BBSR	17.2.2020 to 21.2.2020
Mr Debasis Sarangi	Scientist (Soil Sc.)	Workshop on problem prioritization and finalization of action plan	KVK Kandhamal	10.5.2019 to 13.5.2019
Mr Sandeep Mohanty	Scientist (Plant Protection)	Workshop on problem prioritization and finalization of action plan	KVK Kandhamal	10.5.2019 to 13.5.2019
Mr Sidhartha Sankar Das	Scientist (Fishery Sc.)	Workshop on problem prioritization and finalization of action plan	KVK Kandhamal	10.5.2019 to 13.5.2019

22. Research papers/ Books/ Book chapters/ Popular articles/ Technical Bulletins/Manuals developed:

Sl No	Title	Author name	Publisher
1	Effects of Time and Level of Pruning on the Growth and Flowering of Jasminum sambac (L.) Cv. Gundumalli	Mrs. Sushree Choudhury, Scientist (Horticulture)	Int.J.Curr.Microbiol.App .Sci (2019) 8(8): 2455- 2463
2	Packaging Technology for Extending Shelf Life of Jasmine (Jasminum sambac CV. Gundumalli) Flowers	Mrs. Sushree Choudhury, Scientist (Horticulture	Int.J.Curr.Microbiol.App .Sci (2019) 8(9): 1724- 1732
3	Influence of postharvest treatments on quality and shelf life of flowers of Jasminum sambac cv. Gundumalli	Mrs. Sushree Choudhury, Scientist (Horticulture	International Journal of Chemical Studies 2020; 8(2): 598-602
4	Use of Udaipur rock phosphate with different amendments in improving phosphorus availability and hybrid Napier grass yield in acid soils of Odisha, India	Mr Debasis Sarangi, Scientist (Soil Sc.)	International Journal of Chemical Studies 2019; 7(2): 2150-2164
5	Relative Efficiency of Udaipur Rock Phosphate Combined with Amendments in Acid Soils of Odisha, India	Mr Debasis Sarangi, Scientist (Soil Sc.)	Int.J.Curr.Microbiol.App .Sci (2019) 8(1): 322- 341

23. Awards and recognitions received during 2019-20:

Sl No	Name	programme	Place
1	Sri Uddhab Patro (Progressive Farmer)	PPV & FRA workshop	OUAT

24. Externally funded projects operating and sanctioned:

Name of the KVK	Project title	Funding agency	Total outlay (Rs in lakh)	Period (from to)
Ganjam-II	Farmers producer organization, RKVY	RKVY, Govt. Odisha	20.00	2017-2020

25. Distinguished visitors, date and purpose of visit:

Name of the visitor	Place of visit	Date of visit	Purpose of visit
Prof. Pawan Kumar Agarwal Hon'ble Vice Chancellor ,OUAT	KVK, Ganjam-II & Kutharsingh village	31.08.2019	KVK Visit and field visit
Dr. S.S Singh, Director, ICAR-ATARI, Kolkata	KVK, Ganjam-II	16.01.2020	Attend SAC meeting
Sri Vijay Amruta Kulange IAS DM cum Collector, Ganjam	KVK, Ganjam-II	22.10.2019	Attend Fertilizer Application Awareness Programme
Dr. P.K. Roul, Dean Extension Education, OUAT	KVK, Ganjam-II	31.08.2019 and time to time visit to KVK	KVK Visit and field visit
Prof. P.K Mishra , JDE DEE, OUAT, Bhubaneswar	KVK, Ganjam-II	Time to time visit to KVK	KVK Visit and field visit
Dr. Hemanta Kumar Sahoo , DDE DEE, OUAT, Bhubaneswar	KVK, Ganjam-II	16.01.2020	Attend SAC meeting
CDAO, Ganjam	KVK, Ganjam-II	16.01.2020	Attend SAC meeting Time to time visit for attend other official meeting (R-E Linkage) and celebration

DDU G			
DDH, Ganjam	KVK, Ganjam-II	16.01.2020	Attend SAC meeting
			Time to time visit for
			attend other official
			meeting (R-E Linkage)
			and celebration
CDVO, Ganjam	KVK, Ganjam-II	16.01.2020	Attend SAC meeting
			Time to time visit for
			attend other official
			meeting (R-E Linkage)
			and celebration
PD Watershed	KVK, Ganjam-II	16.01.2020	Attend SAC meeting
			Time to time visit for
			attend other official
			meeting (R-E Linkage)
			and celebration
BDO, Rangeilunda block	KVK, Ganjam-II	-	Time to time visit for
-	-		attend other official
			meeting and celebration

26. Infrastructure developed including maintenance and renovation :

Name of the	Name of the	Purpose	Funding agency	Status as on
KVK	infrastructure			31.03.2019
Ganjam-II	Construction of	Office	ICAR	Continuing
	Administrative	Administrative		
	building	building		
Ganjam-II	Boundary wall	Protection of	RKVY	Continuing
		instructional farm		

Good quality action photographs: Attached separately