

Proforma (A)

**Proforma for OUAT Annual Report 2021-22
(for the period from 01.04.2021 to 31.03.2022)**

Directorate of Extension Education, OUAT, Bhubaneswar

1. Teachers/scientists and staff-in position as on 31.03.2022

Sl. No.	Name	Designation	Establishment /Department
1	Dr (Mrs.) Susmita Mohanty	Sr. Scientist & Head	KVK, Ganjam-II
2	Sri Sasank Lenka	Scientist (Extension.)	KVK, Ganjam-II
3	Dr. Debasis Sarangi	Scientist (Soil Sc.)	KVK, Ganjam-II
4	Dr. Sushree Choudhury	Scientist (Hort.)	KVK, Ganjam-II
5	Sri Sidhartha Sankar Das	Scientist (Fishery)	KVK, Ganjam-II
6	Mrs Kabita Mishra	Scientist (Agronomy)	KVK, Ganjam-II
7	Mr Sandeep Mohanty	Scientist (Plant Protection)	KVK, Ganjam-II
8	Sri Bhakti Ranjan Palai	Prog. Asst.(Comp.)	KVK, Ganjam-II
9	Sri Rabi Sankar Mishra	Farm Manager	KVK, Ganjam-II
10	Sri Saubhagya Ranjan Das	Steno-cum-Comp. Operator	KVK, Ganjam-II
11	Sri Simanchal Sahu	Driver-cum-Mechanic	KVK, Ganjam-II
12	Sri Rabi Narayan Mohapatra	Driver-cum-Mechanic	KVK, Ganjam-II
13.	Sri Bisia Pradhan	Peon-cum- Watchman	KVK, Ganjam-II
14.	Sri Gajendra Pradhan	Peon-cum- Watchman	KVK, Ganjam-II

2. Brief report on workshops, summer courses, symposia, training programmes Conducted.

Sl. No.	Topic	Place	Period

3. Brief report on workshops, summer courses, symposia, training programmes attended by teachers/scientists.

Name of the Scientists participated	Designation	Topic	Place	Date(s)
Dr. Debasis Sarangi	Scientist (Soil Sc.)	Refresher training	DEE,OUAT	23.02.22-25.02.22
Mrs Kabita Mishra	Scientist (Agronomy)	Refresher training	DEE,OUAT	23.02.22-25.02.22
Dr. Sushree Choudhury	Scientist (Hort.)	Refresher training	DEE,OUAT	09.03.22-11.03.22
Mr Sandeep Mohanty	Scientist (Plant Protection)	Refresher training	DEE,OUAT	09.03.22-11.03.22

4. Faculty visited abroad

Sl. No.	Name of the Scientist	Department/ Establishment	Country visited	Purpose of visit	Date(s)

5. Results of schemes and programmes

(i) Salient achievements of Schemes operating at Bhubaneswar: NA

(ii) Salient achievements of KVK activities:

(iii) Salient achievements of Flagship programmes:

(iv) Details of extension activities

Sl. No.	Name of extension activity	No. of participants	Remarks, if any

6. Three significant findings of OFT from each KVK as per following format

Name of KVK	Crop/Component	Season	Technology Assessed (Give in detail)	Farmers' practice (Give in detail)	OFT yield (q/ha)	Yield (q/ha) in farmers' practice	% increase in yield
Ganjam-II	Rice	Kharif 2021	TO1: Cultivation of rice variety CR DHAN 310 TO2 :Cultivation of rice variety CR DHAN 311	Cultivation of Rice variety LALAT	TO1: 41.6 TO2 - 44.3	38.3	TO1: 8.62 TO2 - 15.66
Ganjam-II	Chilli	Rabi 2021-22	TO1: Arka Meghna TO2: Arka Harita	Cultivation of Daiya: compact plant with small size fruit, suitable for fresh chill purpose	TO1: 167.5 TO2: 163.8	141.7	TO1: 18.20 TO2: 15.6
Ganjam-II	Beetle vine	Kharif 21	T O 1: Planting material treatment with <i>Trichoderma viridae</i> @ 10 gm/lt at the time of sowing and need base alternative spraying of chlorothalonil 75% wp @ 1.5 gm/lt and <i>Trichoderma viridae</i> @ 10 gm/lt at 15 days interval T O2:Planting material treatment with Tebuconazole @ 1.5 gm/lt followed by furrow application of <i>T. viride</i> @ 4kg enriched in 50kg FYM/ha as basal	FP: Spraying of Carbandazim@ 1kg/ha	TO1: 9,08,600 (No of leaves /ha) TO2: 10,02,400 (No of leaves /ha)	8,07,625 (No of leaves /ha)	TO1: 12.50 TO2: 23.11

			<p>application, then broadcasting of <i>T. viride</i> @ 4kg enriched in 250kg FYM/ha at 40 DAS & two sprays of Tebuconazole @ 1gm/lt starting from initiation of foliar diseases and 2nd spray at 15 days interval</p>				
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7. Three significant findings of FLD from each KVK as per following format

Name of KVK	Season	Intervention (Give in detail)	Farmers' practice (Give in detail)	FLD yield (q/ha)	Yield (q/ha) in farmers' practice	% increase in yield
Ganjam-II	Kharif, 2021	<p>Demonstration on INM in tuberose</p> <p>Application of 75% STBF +FYM 1kg/m² + Vermicompost (300g/m²)+ Azospirillum 2g/plant + PSB 2g/plant</p>	Application of 100% RDF+ FYM 1kg/m ²	5.81	4.66	24.8
Ganjam-II	Round the year, 2021	<p>Stocking fry 2 lakh/ha, Fry fed with de-oiled rice bran (crude protein: 12 to 15 percent)@2% biomass, with the occasional addition of raw rice bran and groundnut oil cake. Proper Soil & water quality management</p>	Practicing fry and fingerlings production, No yearling production	34.60± 2.32	24.52± 1.85	41.10
Ganjam-II	Kharif, 2021	<p>Kasi Kanchan variety is bushy(height 50-60 cm),early flowering(40-</p>	Cultivation of varieties (VNR-44) which is attacked by YMV with yield potential of	119.4	102.1	16.94

		45days after sowing) early picking(50-55 days after sowing) and resistant to YMV, green fleshy pod, suitable for both Kharif and Rabi, yield 150-175 q/ha	90q/ha			
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8. Salient achievements in production of seeds, planting materials and other materials

Seed Production

Crop	Season	Category (Breeder/ Foundation/ Certified/ TL)	Quantity (q) produced	Remark
Paddy CR DHAN-800	Kharif- 2021	FS	64	After processing

Production of planting material and other materials

Name of planting material/ other material	Quantity (qtl/no.) produced	Remark, if any
Tomato	74110	
Chilli	59290	
Onion	622230	
Papaya	250	
Others(Drumstick)	1600	
Ornamental plants	10000	
Bio-fertilizers(Vermicompost)	2200kg	
Earthworm	12kg	
Duckery	200 Nos (eggs)	
IMC	10,150 Nos	
Ornamental Fish	500 nos	

9. Linkages and collaborations with other agencies within and outside the country.

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

(A) Research Publications :

Lenka, S, Panigrahi R. S., Mohapatra B, and Patnaik B.R. "Knowledge level of farmers on climate resilient agro-technologies curtail the climatic change effect in the NICRA district of Odisha." (2022).2022 – The Pharma Journal.com, SP-11(4): 13-17.

Satpathy Abhijeet, Satapathy Ansuman *, *Lenka Sasanka and Prusty Kumar Ajay* "A study on the Constraints Faced by the Vegetable Growers and Suggestions to Overcome in East Singhbhum District of Jharkhand, Environment and Ecology 39 (4A) : 1319-1323, October-December 2021, ISSN 0970-0420.

(B) Research papers presented at International and National Seminars/ Symposia:

(C) Chapter in Books:

(D) Books

(E) Laboratory Manual

(F) Extension Bulletins/ Booklets

1. Lenka , S.,Mohanty, S., Mohanty, S., Mishra, K.,Sarangi, D.,Choudhury,S., 2021. *Zero Budget Natural Farming* . Published by Krishi Vigyan Kendra, Ganjam-II,
2. Mohanty, S ., Mohanty, S., Lenka , S., Mishra, K., Sarangi, D., Choudhury, S 2021. *Mandia Chasare Roga Poka* . Published by Krishi Vigyan Kendra, Ganjam-II,
3. Mohanty, S ., Mohanty, S., Lenka , S., Mishra, K., Sarangi, D., Choudhury, S 2021. *Chinabadam Chasare Roga Poka* . Published by Krishi Vigyan Kendra, Ganjam-II
4. Das, S. S ., Mohanty, S., 2022, *Value Added Fish Products*, Published by Krishi Vigyan Kendra, Ganjam-II
5. Das, S. S ., Mohanty, S., 2022, *Production of quality dry Fish* , Published by Krishi Vigyan Kendra, Ganjam-II

6. Das, S. S ., 2022, *Capacity building of SHGs Through Scientific Pisciculture*, Published by Krishi Vigyan Kendra, Ganjam-II

(G) Popular Articles

Kindly adhere to the proforma/format as exemplified above.

11. Important awards and recognitions

12. Externally funded projects operating and sanctioned

Project title	Funding agency	Total outlay	Period (from to)

13. Distinguished visitors, date and purpose of visit

Name of the visitor	Place of visit	Date of visit	Purpose of visit
Dr Hemanta Sahoo, DDE, OUAT	KVK visit	10.11.2021	Officially
Prof . Simanchal Sahu, Dean Research ,OUAT	KVK visit	28.12.2021	Officially

14. Infrastructure developed including maintenance and renovation

Name of the infrastructure	Purpose	Funding agency	Status as on 31.03.2022
Administrative building	Office building	ICAR	Not completed

15. Consultancy projects handled and revenue generated

Name of the Project	Funding agency	Total fund outlay	Share of University

16. Other items, if any

17. Good quality photographs (In JPEG format with at least 1 Mb size and a caption)

Proforma (B)

ACHIEVEMENT REPORT OF KVK

Annual Report of DEE 2021-22(Period 01.04.2021 to 31.03.2022)

Training for farmers & farm women:

KVK	Discipline	No. conducted	No. of beneficiary				
			Male	Female	SC	ST	Total
Ganjam-II	Crop production	12	180	120	62	31	300
	Horticulture	12	219	81	123	-	300
	Soil science	12	208	92	92	-	300
	Plant protection	12	234	66	78	-	300
	Fishery	14	276	74	99	-	350
	Home science	5	-	125	49	26	125
	Extension	6	115	35	12		150
	Total	73	1232	593	515	57	1825

(ii) Training for rural youths:

KVK	Discipline	No. conducted	No. of beneficiary				
			Male	Female	SC	ST	Total
Ganjam-II	Crop production	3	30	15	16	10	45
	Horticulture	4	51	9	13	6	60
	Soil science	4	143	17	10	4	60
	Plant protection	4	49	11	9	4	60
	Fishery	4	42	18	8	5	60
	Extension	2	19	11			30
	Total	21	334	81	56	29	315

(iii) Training for Extension personnel:

KVK	Discipline	No. conducted	No. of beneficiary				
			Male	Female	S.C.	S.T.	Total
Ganjam-II	Crop production	2	13	7			20
	Horticulture	2	10	10			20
	Soil science	2	10	10	4		20
	Plant protection	2	10	10			20
	Fishery	2	10	10			20
	Extension	2	10	10			20
	Total	12	63	57	4	0	120

(iv) Sponsored training:

KVK	Discipline	No. conducted	Duration (days)	No. of beneficiary					Sponsoring agency
				Male	Female	SC	ST	Total	
Ganjam-II	Fishery	4	4	76	44	20	12	120	PCRA
	Fishery	2	6	1	39	40	-	40	CIFT
	Total	6	10	77	83	60	12	160	-

1. On-Farm Testing:

KVK	Discipline	No. conducted	Area (ha)	Enterprise (no.)	No. of beneficiary				
					Male	Female	SC	ST	Total
Ganjam-II	Crop production	2	4		12	2	3	2	14
	Horticulture	2	2		13	1	3	1	14
	Soil science	2	2		12	2	2	2	14
	Plant protection	2	4		14		3	1	14
	Fishery	2	6		16	4	4	3	20
	Home science	1	-	10	-	10	10	-	10
	Extension	2		50	50	-	12	8	50
	Total	13	18	60	117	19	37	17	136

2. Frontline demonstration (general):

KVK	Discipline	No. conducted	Area (ha.)	Enterprise (no.)	No. of beneficiary				
					Male	Female	SC	ST	Total
Ganjam-II	Crop production	4	6		31	9	9	4	40
	Horticulture	4	4		26	14	4	2	40
	Soil science	4	4		32	8	4	2	40
	Plant protection	4	6		35	5	2	1	40
	Fishery	4	10		33	7	15	4	40
	Home science	2	-	50	-	50	12	10	50
	Extension	-	-	-	-	-	-	-	-
	Total	22	30	50	157	93	46	23	250

3. (i) Cluster demonstration on oilseed & pulse:

KVK	Season	Crop	Variety	Area (ha)	No. of beneficiary				
					Male	Female	SC	ST	Total
Ganjam-II	Kharfi - 2021	Greengram	Virat	10	25	-	-	-	25

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

KVK	Season	Crop	Intervention (Give in detail)	FLD yield(q/ha)	Local yield(q/ha)	% increase in yield over local
Ganjam-II	Kharfi -2021	Greengram	Improved seeds (Virat), Seed treatment with (<i>Trichoderma Viridae</i>) @ 5gm/kg seed , Foliar spraying of N-P-K(19-19-19) @25kg/ha & micro	4.8	3.6	33.4

			nutrient 25 lt/ha for better flowering, Spraying of Sulphur 90% @40kg/ha for better growth of root, Spraying of Neem Oil @2.5ml/lt to prevent the insect & pest, Spraying of profenophos+Cypermethrin @ 1ml/lt for control of jassids & other insects, Spraying of indoxacarb @ 1 ml/ lt of water for controlling pod borer problems & use of pro supper gunny bag for storage of seeds			

4. Other extension activities:

Sl.No.	Extension activities	No. of activities	No. of beneficiaries
1	Field Day	20	405
2	Kisan Mela(CIFT)	1	100
3	Group meetings	2	37
4	Lectures delivered as resource persons	30	1500
5	Advisory Services	35	20200
6	Scientific visit to farmers field	160	1255
7	Farmers visit to KVK	310	310
8	Diagnostic visits	25	297
9	Soil health Camp	4	186
10	Agri mobile clinic	22	531
11	Soil test campaigns	4	186
12	Self Help Group Conveners meetings	2	50
13	Celebration of important days (specify)	18	Mass
14	Swatchta Hi Sewa	4	130
16	Mahila Kisan Divas	1	50
17	Newspaper coverage	6	Mass
18	Radio talks	12	Mass
19	TV talks	12	Mass

5. Publication:

Sl.No.	Item	No.	No. of copies printed
1	Zero Budget Natural farming	1	500
2	Mandia Chasare Roga Poka	1	500
3	Chinabadam Chasare Roga Poka	1	500
4	News letter	1	500
5	Value Added Fish Products	1	500
6	Production of quality dry Fish	1	500
7	Capacity building of SHGs Through Scientific Pisciculture	1	500
	Total	7	3500

6. Soil and water sample analysis:

KVK	Soil				Water				Grand total (soil + water)	No. of soil health card issued
	Tested in KVK lab.	Tested by MridaParikhyak	Tested outside	Total	Tested in KVK lab.	Tested by MridaParikhyak	Tested outside	Total		
Ganjam-II		500		500		30		30	530	1150

7. Scientific Advisory Committee Meeting:

KVK	Kharif		Rabi	
	Date	No. of participants	Date	No. of participants
Ganjam-II	15.01.2022	40		

8. Awareness programme on Pradhanmantri Fasal Bima Yojana and other if any:

KVK	Date	Participants				
		Male	Female	SC	ST	Total

9. Farmers' fair:

KVK	Date	Venue: Village & Block	Participants				
			Male	Female	SC	ST	Total

10. Kissan mobile advisory service (KMAS):

KVK	No. of message sent	No. of farmers benefited	No. of extension functionary benefitted
Ganjam-II	35	20000	200

11. HRD activities under taken:

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

12. NICRA Activities

KVK	Name of NICRA Village	Climate vulnerability

(Give module-wise results)

13. ARYA Activities

KVK	Name of the component	Brief activity

(Give activity-wise results)

14. Biotech-KISAN Activities

KVK	Name of the component	Brief activity

(Give activity-wise results)

15. Skill development training including CIFT & other programmes:

Sl.No.	Name of KVK	Name of the trade	Date of training	No. of participants				
				Male	Female	SC	ST	Total
1	Ganjam-II	Fishery Science	08.02.22 to 10.02.22	01	19	20		20
2	Ganjam-II	Fishery Science	14.02.22 to 16.02.22	-	20	20		20

16. Seed & Quality Planting Material production:

(i) Achievement Kharif 2021: Paddy seed

KVK	Variety	Class	Area (ha)	Production (q)	Yield (q/ha)
Ganjam-II	CR DHAN-800	FS	3	64	21.3

(ii) Achievement Rabi 2020 -21: Paddy seed

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

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

a. 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 of plant	Variety	No. produced
Ganjam-II	Tomato	Arka Rakshak	74110
	Chilli	Arka Harita Arka Meghna	59290
	Onion	Red3	622230
	Papaya	Red lady SapnaF1	250
	Others(Drumstick)	Bhagya PKM-1	1600
	Ornamental plants	African marigold	10000

(v) Fruit production:

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

(vi) Other materials produced:

KVK	Name of the item	No./ Kg .produced
Ganjam-	Bio-fertilizers(Vermicompost)	2200kg

II		
	Earthworm	12kg
	Duckery	200 Nos(eggs)
	IMC	10,150 Nos
	Ornamental Fish	500 nos

(vii) Economics of revolving fund activities:

KVK	Expenditure (Rs.)	Gross return (Rs.)	Net profit (Rs.)
Ganjam-II	896150.00	1213318.00	317168.00

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

KVK	Title	Details of technology	Yield (q/ha)		%increase	Cost of Production (Rs)	Net return (Rs)	B:C
			Demo.	FP				

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

KVK	Season	Name of crop	Area	Variety	Class of seed	Production(q)	Cost of Production (Rs)	Net return(Rs)

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

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

20. Achievement on KKA activities:

KVK	Name of activity	No. of farmers involved

21. Achievement on any special programme(Natural farming/PKVY/Centre of Excellence etc./ other special projects/programmes):

Name of the Project	Duration	No. of trainings	Participants	Project Cost (Rs.)
Natural farming	03	03	150	15000.00

22. Brief report on workshops, summer courses, symposia, training programmes attended by KVK scientists:

Name of the Scientist participated	Designation	Topic	Place	Period
Dr. Debasis Sarangi	Scientist (Soil Sc.)	Refresher training	DEE,OUAT	23.02.22-25.02.22
Mrs Kabita Mishra	Scientist (Agronomy)	Refresher training	DEE,OUAT	23.02.22-25.02.22
Dr. Sushree Choudhury	Scientist (Hort.)	Refresher training	DEE,OUAT	09.03.22-11.03.22

Name of the Scientist participated	Designation	Topic	Place	Period
Mr Sandeep Mohanty	Scientist (Plant Protection)	Refresher training	DEE,OUAT	09.03.22-11.03.22

23. Externally funded projects operating and sanctioned:

Name of the KVK	Project title	Funding agency	Total outlay (Rs in lakh)	Period (from to)

24. Distinguished visitors, date and purpose of visit:

Name of the visitor	Place of visit	Date of visit	Purpose of visit
Dr Hemanta Sahoo, DDE, OUAT	KVK visit	10.11.2021	Officially
Prof . Simanchal Sahu, Dean Research ,OUAT	KVK visit	28.12.2021	Officially

25. Infrastructure developed including maintenance and renovation :

Name of the KVK	Name of the infrastructure	Purpose	Funding agency	Status as on 31.03.2022
Ganjam-II	Administrative building	Office functioning	ICAR	CPWD has communicated requirement of more fund for completion & estimate will be provided by them.
Ganjam-II	Farmer's hostel	Residential training	ICAR	CPWD communicated that the work will be started after obtaining revised budget due to change of Load bearing

				structure to RCC structure.
Ganjam-II	Boundary wall	Protection to KVK demonstration units	RKVY	About 500 meter boundary wall with pillar structure is need to be constructed for its completion