PROFORMA FOR ANNUAL REPORT2021 (January-December 2021)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, At/Po-Sakhigopal, Dist- Puri, Pin-752014, Odisha	06752273960	06752273960	kvkpuri.ouat@gmail.com, purikvk@yahoo.co.in

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

Address	Telephone		E mail
	Office	FAX	
Orissa University of Agriculture & Technology Bhubaneswar-751003, Odisha, India.	(0674)-2397970/ 2397818/ 2397719/ 2397669 / 2397719 / 2397919 / 2397868		registrarouat@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr.Sanjay Kumar Mohanty	-	9437368659	sanjay.mohanty139@gmail.com

1.4. Year of sanction of KVK: 2006

1.5. Staff Position (**as on 1st January, 2021**)

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.Sanjay Kumar Mohanty	Senior Scientist & Head	Entomology	15600-39100 (GP-8000) RS./-87200	15.09.17	Permanent	Others
2	Subject Matter Specialist	Dr.Sumita Acharya	Scientist (H.Sc.)	Home Science	15600-39100 (GP-6000) RS./-79800	18.06.18	Permanent	Others
3	Subject Matter Specialist	Dr.DipsikaParamjita	Scientist (Agril.Engg.)	Agriculture Engineering	15600-39100 (GP-6000) RS./- 77500	23.11.18	Permanent	Others
4	Subject Matter Specialist	Dr.Ambika Prasad Nayak	Scientist (Fishery)	Fishery	Level-10 Cell-16 Rs.89800/-	04.06.21	Permanent	Others
5	Subject Matter Specialist	Mrs. Sonita Rani Sethi	S.M.S.(Agril.Extn.)	Agriculture Extension	15600-39100 (GP-) 5400 RS./- 51300	13.08.18	Permanent	SC
6	Subject Matter Specialist	Vacant					Permanent	Others
7	Subject Matter Specialist	Vacant					Permanent	Others
8	Programme Assistant	Vacant					Permanent	Others
9	Computer Programmer	Mrs. Puspanjali Mishra	Prog.Asst(Comp.)	Computer	9300-34800 (GP-) 4200 RS./- 56900	17.08.15	Permanent	Others
10	Farm Manager	Mrs. Neeva Mohapatra	Farm Manager	Plant physiology	9300-34800 (GP-) 4200 RS./-41100	29.12.15	Permanent	Others
11	Accountant / Superintendent	Vacant					Permanent	Others
12	Stenographer	Sri Bibhu prasad Dash	Steno cum computer operartor	Graduation	5200-20200 (GP-) 2400	1.8.12	Permanent	Others

					RS./-28400			
13.	Driver	Sri Nirakar Pradhan	Driver cum Mechanic	Office	5200-20200 (GP-) 1900 RS./-28400	1.09.15	Permanent	Others
14.	Driver	Sri Jitendra Pradhan	Driver cum Mechanic	Office	5200-20200 (GP-) 1900 RS./- 22900	12.08.16	Permanent	Others
15.	Supporting staff	Sri Babaji Sethi	Peon cum Watchman	Office	4440-7440 (GP-) 1700 RS./-22900	7.8.08	Permanent	SC
16.	Supporting staff	Sri Brajabandhu Sahani	Peon cum Watchman	Office	4440-7440 (GP-) 1700 RS./-22900	8.8.08	Permanent	Others

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	Admin building 0.0258, Farmers' hostel- 0.0305
2.	Under Demonstration Units	0.0081
3.	Under Crops	13
4.	Orchard/Agro-forestry	0
5.	Others with details	0.3256 2.61
	Total	16.0

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building		√ (Roof completed)				258	Not	ICAR
2.	Farmers Hostel	√					305	Not	ICAR
3.	Staff Quarters (6)	Nil							
4.	Piggery unit	Nil							
5	Fencing	Yes							RKVY
6	Rain Water harvesting structure	Nil							
7	Threshing floor	Nil							

8	Farm gdown	√	√ (Roof completed)						
9.	Dairy unit					(damaged by FANI)		Not	ICAR
10.	Poultry unit					√ (damaged by FANI)		Not	ICAR
11.	Goatary unit	Nil							
12.	Mushroom Lab	Nil							
13.	Mushroom production unit					Yes		Use	Fund of KVK
14.	Shade house					Yes		Use	Fund of KVK
15.	Soil test Lab								
16	Polyhouse					Yes		Use	Fund of KVK
17	Ornamental Fish Unit					Yes		Use	Fund of KVK
18	Vermicompost production Unit					Yes		Use	Fund of KVK
19	Medicinal Plants Unit					Yes		Use	Fund of KVK
20	Ridge & Furrow Model Unit					Yes		Use	Fund of KVK
21	Apiary Unit					Yes		Use	Fund of KVK
22	Azolla Unit					Yes		Use	Fund of KVK

* 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
TATA SUMO-OR02AN0809	2007	450000	224452	Condemned
Tractor & Trolly-OR02AN5687/5688	2007	500000	1389 (hr)	Running condition
Bike (Passion Pro)-OR13F2157	2010	48000	39690	Running condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Mridaparishyak Mini Kit	2015	75000	Working condition	ICAR
Mridaparishyak Mini Kit	2016	86000	Working condition	ICAR
b. Farm machinery				
Zero till drill machine (3 row)	2012	20000	Working condition	ICAR
Zero till seed cum fertilizer drill	2012	47500	Working condition	ICAR
Sprinkler rain gun	2016	37456		
Brush cutter	2016	25000	Working condition	ICAR
Power tiller	2016	155500	Working condition	ICAR
Power reaper	2016	116134	Working condition	ICAR
Diesel pumpset	2016	23000	Working condition	ICAR

Axial flow thresher	2016	14100	Working condition	ICAR
Refractometer	2017	4500	Working condition	ICAR
Weighing machine	2017	7500	Working condition	ICAR
Drying cabinet	2018	19898	Working condition	ICAR
Digital refractometer	2018	14950	Working condition	ICAR
Crown cap sealing	2018	5900	Working condition	ICAR
Vaccum sealing	2018	1980	Working condition	ICAR
Food processor	2018	4950	Working condition	ICAR
Paddy straw cutter	2018	1000	Working condition	ICAR
Solar Cabinet Dryer	2018		Working condition	ICAR
Digital Refractometer	2018		Working condition	ICAR
Plastic medium feeder (30 No)	2019	2678	Working condition	ICAR
Plastic grower drinker (15 No)	2019	2410	Working condition	ICAR
Plastic big stand (15no)	2019	535	Working condition	ICAR
Display board with pedestal stand	2019	8400	Working condition	ICAR
Seed display with single cavity	2019	1160	Working condition	ICAR
Seed display with 2 round cavity	2019	1750	Working condition	ICAR
Seed display with 3 round cavity	2019	2000	Working condition	ICAR

Drip irrigation material	2019	19000	Working condition	ICAR
c. AV Aids				
Computer (Desktop 3no)	2010, 2012, 2016	38500 49520 36000	Working (one monitor is not Working	ICAR
Laptop (2no)	2006 2018	42280 44900	Working (No Battery backup Working	ICAR
Laptop(1No)	2020	29780	Working condition	ICAR, ARYA
Desktop (1 No)	2020	59000	Working condition	ICAR, ARYA
LCD Projector (2no)	2006 2018	38858	Repairable Working	ICAR
Projector Screen (2No)	2006 2018	4990	Working condition	ICAR
Sound system 1no	2006	15420	Working condition	ICAR
Portable Sound system, 1 No	2020	15000	Working condition	ICAR, ARYA
Digital camera	2017	17900	Working condition	ICAR
Digital camera	2020	80000	Working condition	ICAR, ARYA
Printer cum xerox	2016	44751	Working condition	ICAR
Printer cum scanner (1no)	2020	20000	Working condition	ICAR, ARYA

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Phowrah	2017	440	Working	ICAR
Sickle	2017	220	Working	ICAR
Crowbar	2017	750	Working	ICAR
Gaintee	2017	300	Working	ICAR
Katuri	2017	375	Working	ICAR
Handhow	2017	160	Working	ICAR
Kodi	2017	350	Working	ICAR
Axe	2017	300	Working	ICAR
Garden rake	2017	330	Working	ICAR
Sickle	2017	220	Working	ICAR
Spade (3no)	2017	390	Working	ICAR
Phowrah	2015	200	Working	ICAR
Sabal	2015	640	Working	ICAR
Grafting knife	2017	190	Working	ICAR
Hedge cutter	2017	160	Working	ICAR
Secateurs	2018	310	Working	ICAR
Secateurs	2018	345	Working	ICAR

1.8. Details SAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	18.02.21		Emphasis is to be given on convergence with all departments	Fish cum duck farming has been promoted in guleipadar, Alibada of Kanas block, pandaswar of urisadar in convergence with Siddha development search & consultancy (SDRC), BBSR. Demonstration of Whole straw paddy thresher, ower weeder, bullock drawn plough planter, tractor awn zero till seed drill and brush cutter for paddy rvesting were conducted in association with CAET,	

				UAT and AAE, Puri. Animal health camp, vaccination programme were nducted with officials of ARD. Involvement of ARYA beneficiaries (mushroom & neybee) in CM special package & MIDH programme got assistance of 40,000/- & 8000/- respectively. Mr. Sanatan Behera, one ARYA poultry beneficiary en in developing IFS beneficiary got assistance under KVY scheme from APICOL for fishery &duckery rming. Another two beneficiaries got assistance from RD & has been awarded as 'Best farmer' award from UAT. Training programme for Coconut producing farmers convergence with CDB, BBSR under SCSP ogramme. Two days Training programme for krushaksathis of e district in 'IPM in various crops' in convergence ith CIPMC, BBSR. Farmers' fair cum exhibition and awareness ogramme was organized in convergence with NIPB-RI, New Delhi under SCSP programme. One day farmer- scientist interaction programme for roundnut producing farmers at Lokapala, Kanas in nvergence with Dean of Research, OUAT, BBSR & GO. ➢ Promotion of organic farming in Convergence with KRIBHCO. ➢ Distribution of pulverizer& solar dryer to KVK promoted women FPO in Nimapada by CIWA, BBSR. ➢ Joint field visits & training cum awareness programmes in association with District line dept. (BGREI, NFSM, SREP (ATMA)).	
			Development of case studies of successful farmers/farmwomen with	Successful documentation of 110 success ories.	

			process documentation	Video documentation of02 (Mr. Sujit anda-Kadaknath poultry, Dr.SubhasisBala- organic ddy cultivation) successful farmers in convergence ith Sankalp TV. 26 nos. of technological videos uploaded in ficial YouTube channel of KVK, Puri 10 nos. of newspaper coverage of KVK tivities	
			Income generation in flood prone areas	➢ Interventions have been started for Sequential paddy cum fish farming in Jatipura village of Purisadar block. ➢ Community fish farming in completely water submerged area of Dupur village of Kanas block.	
			Training to SHGs & producer groups for self employment	➢ Conducted training programmes in mushroom & vegetable production for FPOs & SHGs in convergence with OLM.	
			Organic manure production	➢ Method demonstration/ Awareness programme on "vermicomposting technology" have been conducted during celebration of SwachhaPakhwada. ➢ Rs. 152,000/- for establishment of Organic manure unit in KVK instructional farm has been sanctioned by CDB, BBSR.	
			Training on mechanical line transplanting of Paddy focusing on management of MAT	➢ OFT on 6-row riding type Rice transplanter ➢ **Training on preparation & management of MAT type nursery.**	

			type nursery.		
			Demonstration of DSR in Kanas block	➢ FLD on Direct Seeded Rice has been conducted	
			Energy conservation	➢ 04 nos. of training cum awareness programmes have been conducted on energy conservation techniques in farm implements	
			Trial of Deep water paddy var.	➢ OFT on deep water paddy vars. Like CR-505, CR-506,CR-508	

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

PROCEEDINGS OF THE 16thSCIENTIFIC ADVISORY COMMITTEE MEETING OF KVK, PURI

The 16thSAC meeting of KVK Puri was organized on dt.18.02.2021 at KVK campus under the chairmanship of Prof. (Dr).l. M. Garnayak, DEE, OUAT, Bhubaneswar. Dr. Rahman, Principal Scientist, ATARI, Kolkata attended the meeting. Then, Dr.S. K. Mohanty, Senior Scientist and Head, KVK, Puri briefly welcomed all the respected members as well as special invitees and requested the Chairman to start the meeting. After a brief introductory remark about functioning of KVK, importance of SAC meeting and participation of the members towards better implementation of the activities, the Chairman asked the Senior Scientist & Head to start the proceedings as per the agenda. (Members present in the meeting are annexed herewith).

Agenda 1: Approval of the proceedings of last SAC meeting.

The Senior Scientist and Head, KVK, Puri presented the proceedings of 15th SAC programme in brief. The Chairman taking the consent of the members approved the proceedings.

Agenda 2: Action taken on the proceedings of the last SAC meeting held on 18. 02. 2021

Sl No.	Recommendations /Suggestions	Action Taken
1	Emphasis is to be given on convergence with all departments	Fish cum duck farming has been promoted in Jaguleipadar, Alibada of Kanas block, pandaswar of Purisadar in nvergence with Siddha development research & consultancy (SDRC), BBSR. Demonstration of Whole straw paddy thresher, power weeder, bullock drawn plough planter, tractor drawn zero seed drill and brush cutter for paddy harvesting were conducted in association with CAET, OUAT and AAE,

		i. Animal health camp, vaccination programmewere conducted with officials of ARD. Involvement of ARYA beneficiaries (mushroom & honeybee) in CM special package & MIDH programme & got istance of 40,000/- & 8000/- respectively. Mr. Sanatan Behera, one ARYA poultry beneficiary keen in developing IFS beneficiary got assistance under KVY scheme from APICOL for fishery &duckery farming. Another two beneficiaries got assistance from ARD & been awarded as 'Best farmer' award from OUAT. Training programme for Coconut producing farmers in convergence with CDB, BBSR under SCSP programme. Two days Training programme for krushaksathis of the district in 'IPM in various crops' in convergence with PMC, BBSR. Farmers' fair cum exhibition and awareness programme was organized in convergence with NIPB-IARI, New lhi under SCSP programme. One day farmer- scientist interaction programme for Groundnut producing farmers at Lokapala, Kanas in nvergence with Dean of Research, OUAT,BBSR & NGO. ➢ Promotion of organic farming in Convergence with KRIBHCO. ➢ Distribution of pulverizer& solar dryer to KVK promoted women FPO in Nimapada by CIWA, BBSR. ➢ Joint field visits & training cum awareness programmes in association with District line dept. (BGREI, NFSM, SREP (ATMA)).
2	Development of case studies of successful farmers/farmwomen with process documentation	Successful documentation of 110 success stories. Video documentation of02 (Mr. Sujit Nanda-Kadaknath poultry, Dr.SubhasisBala- organic paddy tivation) successful farmers in convergence with Sankalp TV. 26 nos. of technological videos uploaded in official YouTube channel of KVK, Puri 10 nos. of newspaper coverage of KVK activities
3	Income generation in flood prone areas	➢ Interventions have been started for Sequential paddy cum fish farming in Jatipura village of Purisadar block. ➢ Community fish farming in completely water submerged area of Dupur village of Kanas block.
4	Training to SHGs & producer groups for self employment	➢ Conducted training programmes in mushroom & vegetable production for FPOs & SHGs in convergence with OLM.
5	Organic manure production	➢ Method demonstration/ Awareness programme on "vermicomposting technology" have been conducted during celebration of SwachhaPakhwada.

		➢ Rs. 152,000/- for establishment of Organic manure unit in KVK instructional farm has been sanctioned by CDB, BBSR.
6	**Training on mechanical line transplanting of Paddy focusing on management of MAT type nursery.**	➢ OFT on 6-row riding type Rice transplanter ➢ **Training on preparation & management of MAT type nursery.**
7	**Demonstration of DSR in Kanas block**	➢ FLD on Direct Seeded Rice has been conducted
8	**Energy conservation**	➢ 04 nos. of training cum awareness programmes have been conducted on energy conservation techniques in farm implements
9	**Trial of Deep water paddy var.**	➢ OFT on deep water paddy vars. Like CR-505, CR-506,CR-508

Agenda 2: Achievements made by the KVK.

The Senior Scientist and Head of KVK, Dr. Sanjay Kumar Mohanty presented the overall achievements made by the KVK during the year 2019-20 (Rabi) and ongoing activities of Rabi 20-2021. He then presented the ongoing activities conducted during Rabi season of 2019-20. Moreover, 9 OFTs, 21 FLDs and 86 nos. of trainings were conducted during the year 2020-21. Total of 12 nos. of publications were released in the occasion.

Then the chairman invited suggestions from the SAC members on the prevalent problems in the district and solutions thereof. The suggestions of SAC members are as follows:-

VC, OUAT, Bhubaneswar

- Proximity of KVK, Puri to Jagannath temple, Puri & national highway attracts many visitors & makes it the best place to demonstrate the technologies of OUAT.
- Suggested to demonstrate the technologies related to coconut production, processing & value addition in KVK thus making it 'Ecotourism in coconut' in the state.
- Advised to move beyond coconut water & oil & prepare projects involving FPOs.
- Encourage farmers to take pineapple as intercrop in coconut orchard & go for mechanical harvesting thereby reducing the cost.

Principal Scientist, ATARI, Kolkata

- **Dr.Rahman, Principal Scientist, ATARI, Kolkatta briefed the house that activities taken by KVK are vibrant, healthy and benevolent to the farmers of the district.**
- **Advised to test the NPK content of organic products in the demonstration unit of KVK.**
- Suggested to ensure timely sowing of pulses under CFLD programme & go for TL seed production under the programme.

Associate Director of Research, OUAT, RRTTS, Coastal Zone, Bhubaneswar

- **Appreciated the documentation of success stories by KVK.**
- **Suggested to have interventions on zero till sowing of pulses.**
- **Suggested to facilitate farmers for sale centre at BBSR for kadaknath in the brand name of OUAT.**
- **Initiatives should be taken for organic fish production models.**
- **KVK, Puri should be a model for contingent measures in Agriculture & allied sector.**
- **To conduct DSR in flood prone area of kanas block.**

Principal Scientist, NRRI, ICAR Representative

- **Appreciated the achievements of KVK in spite of poor infrastructure facility.**
- **Advised to test the deep water paddy vars. and develop IFS models in the area.**
- **Suggested to focus on coconut product based enterprises in the district**
- **Promotion of organic vegetable production keeping in view Mahaprasad of puri temple.**
- **To follow the steps of successful spodoptera management in Groundnut in Niali by KVK, Cuttack**
- **Assessment of stem borer management in paddy .**
- **Information on Technologies of OUAT are also available in facebook& twitter account of the same.**

Chief District Agriculture Officer, Puri

- **Among 5 AES two blocks namely Brahmagiri& Kanas are among 2 problemmatic AES of the district where paddy is the only crop in kharif but waterlogging is the major area of concern.**
- **Heavy yield loss due to heavy pest load like spodoptera. in groundnut growing area.**
- **Concerned about the decrease in no of Buffalo breed 'chilka' which is unique to the district having medicinal properties and seek for involvement of scientists of OUAT.**
- **Suggested for involvement of KVK for organic vegetable cultivation for continuous supply to Jagganath temple.**

Assistant Director Horticulture, Puri

- **Suggested to have programmes related to disease pest management in vegetables.**

Chief District Veterinary Officer, Puri

- **Suggested to conduct demonstration of "Kadaknath" extensively in the entire district & conduct animal health camp in convergence.**

District Fishery Officer, Puri

- **Suggested to conduct training programme & awareness camps on " Biofloc" .**
- **Advised to conduct FLD programme on "brackish water & marine fishery cultivation.**

DEE, Irrigation Division, Puri

- **Discussed about the irrigation facilities in the district.**

LDM,Puri

- **Discussed about the rural self employment programme specifically in mushroom & fishery.**

ADSC, Puri

- **Discussed about the farm pond scheme under MNREGA scheme and the undergoing trainings for pisciculture & IFS component where convergence with KVK will be beneficial for farmers in the district.**

All India Radio,Puri

- **Need help for successful farmers' identification for radio programme & timely broadcasting of new technologies.**

Farmers' Representatives-

Farmers, farmwomen representatives Mr. Naresh swain, Mr. Radhasyam Biswal, Mrs. Renubala Behera and Mrs.Rajalaxmi Mohanty shared their experiences on different farm activities and demanded training on strengthening market linkage for direct selling of their produce, pond management, and mushroom production from loose straw & processing.

Chairman thanked all the members for their active participation and healthy discussions. The members and dignitaries appreciated the efforts of KVK, Puri in developing farming community through agriculture and allied means.

During the day, eight numbers of publications in vernacular language were released by the dignitaries for the benefit of the common farmers of the district. The important publications were "mushroom preservation & processing, compost preparation from Agricultural waste, implements for intercultural operation, pesticide compendium, honey cultivation" etc.

The recommendations of SAC are as follows:

- Develop KVK as 'Ecotourism in coconut'
- **Promotion of organic vegetable production keeping in view Mahaprasad of puri temple.**
- **Document the impact of technology demonstrated in farmer's field.**

- **Formation of coconut based FPOs and establishing both forward & backward linkage thereof.**
- **Demonstrate technologies especially in contingent measures to enrich the knowledge of visitors and extension functionaries so that KVK can act as a model in the state.**
- **Training on mechanical line transplanting of Paddy focusing on management of MAT type nursery.**
- **Conduct training and demonstration on "Biofloc" and "Kadaknath" respectively covering all the blocks of the district.**

Annexure

List of participants with address and status in the meeting

Sl No.	Name of the participant	Designation with address	Status
1	Prof. L. M. Garnayak	DEE, OUAT, BBSR	Chairman
2	Dr. F.H. Rahman	Pr.Scientist, ICAR-ATARI, Kolkatta	Member
3	Prof. C.M.Khanda	ADR, RRTTS, Coastal Zone, Bhubaneswar	Member
4	Mr. Anil.ku. Das	Chief District Agriculture Officer, Puri	Member
5	Mr. Ajay kumar Pradhan	Assistant Director of Horticulture, Puri	Member
6	Dr. Prashana Kumar Prusty	Chief District Veterinary Officer, Puri	Member
7	Mr. Dwarka nath Dash	I/C District Fishery Officer, Puri	Member
8	Raghunath Swain	DEE, Irrigation division Puri	Member
9	Damodarpanigrahi	ADSC, Puri	Member
10	Dr. S.D. Mohapatra	Pr.Scientist, ICAR-NRRI, Cuttack	Member
11	Mr. kishorkumar Acharya	LDM, Puri	Member
13	Mr. Golaka Mohapatra	Head of Programme, AIR, Puri	Member
14	Mr. Santosh Kumar Mishra	ICAR Nominated Farmer	Member
15	Mr. Naresh Chandra Swain	Progressive Farmer	Member
16	Mr. Radhasyam Biswal	Progressive Farmer	Member
17	Mrs. Renubala Behera	Farm Women	Member
18	Mrs. Rajalaxmi Mohanty	Farm Women	Member
19	Dr.SumitaAcharya	Scientist, Home Science	Nominated Member
20	Mr.kalyankumar Ray	BAO, Satyabadi	Invited Member
21	Dr. Sanjay Kumar Mohanty	Senior Scientist and Head, KVK, Puri	Member Secretary
22	Dr. DipsikaParamjita	Scientist(Ag Engg)	Member
23	Mr. Manas Ranjan Behera	SMS(Fishery Science)	Member
24	Mrs. Sonita Rani Sethy	SMS (Ag. Extension), KVK, Puri	Member
25	Mrs. Neeva Mahapatra	Farm Manager	Member

2.a. District level data on agriculture, livestock and farming situation (2021)

Sl. no.	Item	Information
1	Major Farming system/enterprise	➢ Field crop-Pulses ➢ Field crop-oil seed ➢ Rice-Fallow ➢ Field Crop - vegetable ➢ Field Crop+ vegetable+ dairy ➢ Orchard + mushroom ➢ Field Crop+ vegetable+ floriculture+ dairy+ pisciculture ➢ Field Crop+ poultry+ goatery+ mushroom+ pisciculture ➢ Field Crop+ orchard+ floriculture+dairy/poultry/goatery+ pisciculture ➢ Nursery raising ➢ Mushroom cultivation ➢ Pisciculture ➢ Poultry ➢ Bee keeping ➢ Coir Industry
2	Agro-climatic Zone	East and South Eastern Coastal Plain Zone
3	Agro ecological situation	1. Coastal Alluvial Command 2. Coastal Alluvial Non-command 3. Coastal Alluvial Saline 4. Rainfed Laterite 5. Rainfed Red and Laterite
4	Soil type	Red, laterite, brown forest, alluvial and saline

5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Cereals: Rice-(Kharif) - 18.82 q/ha (Rabi) - 34.94q/ha Pulse- 2.50q/ha Oilseed- 18.78q/ha Vegetables-85.29q/ha Millets-5.5q/ha Spices-4.48q/ha	
6	Mean yearly temperature, rainfall, humidity of the district	Temp(Max)- 30.60^0 C (May) Temp (Min)- 23.60^0 C(Dec), Rainfall- 1408 mm Humidity – Maximum- 80%, Minimum- 58%	
7	Production of major livestock products like milk, egg, meat etc.		
8	Aquatic resources of Puri district	Production- 20583.5 MT	
		Freshwater pond and tanks	3061.35 ha
		Brackish water pond and tanks	4693.53

Note: Please give recent data only

2.b. Details of operational area / villages (2021)

Name of the Block	**Name of the Villages**	**Major Crops/ Enterprises**	**Major problems identified (crop-wise)**	**Identified Thrust Areas**
Satyabadi	Otrkera, Mathasahi, Biragobindapur, Jaypur, Atheisa, Basudeipur, Panchukera, Banapur, Sandrasasan, Gualigorada Bharatipur Balapur	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana	1. Low yield, disease, pest, weeds, submergence/ flood tolerant 2. Low yield, disease pest, lack of INM, IDM, IPM, Biopesticide /agents, soil salinity ,indiscriminate use of chemicals 3. Low yield, lack of high yielding variety, unavailability of planting	• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management

	Sanabhimdaspur Bhutpada Jipur Kahnapur	6. Watermelon 7. Dairy 8. Poultry 9. Goat 10. Fishery 11. Mushroom 12. Apiary 13. Vermicompost	material, disease pest & weeds 4. Lack of INM and management 5. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 6. Lack of fodder, proper nutrition, costly feed, disease, parasite 7. Local breed with low output, disease 8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease & parasite 9. Pond management, unavailability of quality fish seed, high feed cost, low productivity 10. Low yield, spawn, straw unavailability, no round the year production, hygiene 11. Unutilised orchard inter space, lack of awareness on enterprise	• Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple

				cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroecotourism • Promotion of brackish water prawn export • Organic farming
Pipili	Adangapada, Dandamukundapur, Matiapada, Dumukipur, Saraswatipur, Kumareswar Kunjara Bharatipur Abalapur	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana 6. Dairy 7. Poultry 8. Goat 9. Inland fishery 10. Mushroom 11. Apiary 12. Vermicompost	1. Low yield, disease, pest, weeds,submergence/ flood tolerant 2. Low yield, disease pest, lack of INM,IDM,IPM, Biopesticide/agents, soil salinity ,indiscriminate use of chemicals 3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 4. Lack of INM and management 5. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 6. Lack of fodder, proper nutrition, costly feed, disease, parasite 7. Local breed with low output, disease 8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease &	• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and

			parasite 9. Pond management, unavailability of quality fish seed, high feed cost, low productivity 10. Low yield, spawn, straw unavailability, no round the year production, hygiene 11. Unutilised orchard inter space, lack of awareness on enterprise	backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroeco tourism • Promotion of brackish water prawn export • Organic farming
Nimapada	Gopalpur, Nahatara, Gadatorihan, Dalabhanapur, Haripur, Nuasahi, Sahadapada, Naruda, Jagannathpur, Resinga	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana	1. Low yield, disease, pest, weeds,submergence/ flood tolerant 2. Low yield, disease pest, lack of INM,IDM,IPM,	• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil

		6. Dairy 7. Poultry 8. Goat 9. Inland fishery 10. Mushroom 11. Apiary	Biopesticide/agents, soil salinity ,indiscriminate use of chemicals 3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 4. Lack of INM and management 5. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 6. Lack of fodder, proper nutrition, costly feed, disease, parasite 7. Local breed with low output, disease 8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease &parasite 9. Pond management, unavailability of quality fish seed, high feed cost, low productivity 10. Low yield, spawn, straw unavailability, no round the year production, hygiene 11. Unutilised orchard inter space, lack of awareness on enterprise	management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low

				saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroecotourism • Promotion of brackish water prawn export • Organic farming
Delanga	Machapada, khairamangalpur, Singhberhampur, Gobindpur	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana 6. Dairy 7. Poultry 8. Goat 9. Inland fishery 10. Mushroom 11. Apiary	1. Low yield, disease, pest, weeds,submergence/ flood tolerant 2. Low yield, disease pest, lack of INM,IDM,IPM, Biopesticide/agents, soil salinity ,indiscriminate use of chemicals 3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 4. Lack of INM and management 5. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 6. Lack of fodder, proper nutrition, costly feed,	• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health

			disease, parasite 7. Local breed with low output, disease 8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease &parasite 9. Pond management, unavailability of quality fish seed, high feed cost, low productivity 10. Low yield, spawn, straw unavailability, no round the year production, hygiene 11. Unutilised orchard inter space, lack of awareness on enterprise	management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroeco tourism • Promotion of brackish water prawn export

				• Organic farming
Kanas	Lokpal	Pulse	1. Low yield, disease pest, lack of INM,IDM,IPM, Biopesticide/agents, soil salinity ,indiscriminate use of chemicals	• Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals
Kaktpur	Othaka, Mahadevbast, chandikuda, dahikhia,	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana 6. Dairy 7. Poultry 8. Goat 9. Inland fishery 10. Mushroom 11. Apiary	12. Low yield, disease, pest, weeds,submergence/ flood tolerant 13. Low yield, disease pest, lack of INM,IDM,IPM, Biopesticide/agents, soil salinity ,indiscriminate use of chemicals 14. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 15. Lack of INM and management 16. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 17. Lack of fodder, proper nutrition, costly feed, disease, parasite 18. Local breed with low output, disease 19. Inbreeding, faulty buck /kid/ doe management, nutrition, disease & parasite 20. Pond management, unavailability of quality	• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture

			fish seed, high feed cost, low productivity 21. Low yield, spawn, straw unavailability, no round the year production, hygiene 22. Unutilised orchard inter space, lack of awareness on enterprise	and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroeco tourism • Promotion of brackish water prawn export • Organic farming
Gop	Oruali, Subarnapur, sarada, Bangur, Sama, Bhadisha, Chadeigaon,Galabari,Dhumal	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Watermelon 6. Banana 7. Dairy	23. Low yield, disease, pest, weeds,submergence/ flood tolerant 24. Low yield, disease pest, lack of INM,IDM,IPM, Biopesticide/agents, soil salinity ,indiscriminate	• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals

		8. Poultry 9. Goat 10. Inland fishery 11. Mushroom 12. Apiary	use of chemicals 25. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 26. Lack of INM and management 27. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 28. Lack of fodder, proper nutrition, costly feed, disease, parasite 29. Local breed with low output, disease 30. Inbreeding, faulty buck /kid/ doe management, nutrition, disease & parasite 31. Pond management, unavailability of quality fish seed, high feed cost, low productivity 32. Low yield, spawn, straw unavailability, no round the year production, hygiene 33. Unutilised orchard inter space, lack of awareness on enterprise	• Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested

				pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroeco tourism • Promotion of brackish water prawn export • Organic farming
Sadar	Naiguan, Arala, Tulasichaura, Alasankha Kapileswarpur Rendua,Talajanga,Patajoshipur, Sukala	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana 6. Dairy 7. Poultry 8. Goat 9. Inland fishery 10. Mushroom 11. Apiary 12. Fish Production	1. Low yield, disease, pest, weeds,submergence/ flood tolerant 2. Low yield, disease pest, lack of INM,IDM,IPM, Biopesticide/agents, soil salinity ,indiscriminate use of chemicals 3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 4. Lack of INM and management 5. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 6. Lack of fodder, proper nutrition, costly feed, disease, parasite 7. Local breed with low	• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small

			output, disease 8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease & parasite 9. Pond management, unavailability of quality fish seed, high feed cost, low productivity 10. Low yield, spawn, straw unavailability, no round the year production, hygiene 11. Unutilised orchard inter space, lack of awareness on enterprise	ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroeco tourism • Promotion of brackish water prawn export • Organic farming

Krushnaprasad	Panaspada, anandapur, jadupur, Haripur,Gabaakunda	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana 6. Dairy 7. Poultry 8. Goat 9. Inland fishery 10. Mushroom 11. Apiary	1. Salinity of soil & water, Low yield, disease, pest, weeds,submergence/ flood tolerant 2. Low yield, disease pest, lack of INM,IDM,IPM, Biopesticide/agents, soil salinity ,indiscriminate use of chemicals 3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 4. Lack of INM and management 5. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 6. Lack of fodder, proper nutrition, costly feed, disease, parasite 7. Local breed with low output, disease 8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease & parasite 9. Pond management, unavailability of quality fish seed, high feed cost, low productivity	• Paddy –Saline tolerant , IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and

			10. Low yield, spawn, straw unavailability, no round the year production, hygiene 11. Unutilised orchard inter space, lack of awareness on enterprise	duckery • Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroeco tourism • Promotion of brackish water prawn export • Organic farming
Brahmagiri	Badadiandi Gadarodanga	1.Fish production	12.	• Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Promotion of brackish water prawn export

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2020) for its development and action plan

Name of village	**Block**	**Action taken for development**
Otekera,	Satyabadi	OFT,FLD, Training, Awareness, Advisory Soil & Water test, Extension

Sanabhimdaspur, Bhagalpur Kanhupur, Jipur ,Bhutpada, Biswanathapur Dubduba, Panchukera, Jayapur, Nuasahi		Activities. Establishment of mushroom and apiary unit under ARYA project
Jaguleipadar,Lokapala,Bankatala,Badasa, Jaguleipadar	Kanasa	OFT,FLD, Training, Awareness, Advisory Soil & Water test, Extension Activities. Establishment of mushroom and apiary unit under ARYA project
Gopalpur, Dalabhanapur, Gadachandpur Katunia,Gadatotihan,Gadabadaput, Resinga, ,	Nimapara	OFT,FLD, Training, Awareness, Advisory Soil & Water test, Extension Activities, Mushroom,pisciculture and Poultry activities under ARYA project
Othaka	Kakatpur	OFT,FLD, Training, Awareness , Advisory Soil & Water test, Extension Activities
Adhangapada, Kunjara Sultannagar Suhagpur, Maharipokhari, Barundi, Podagun	Pipili	OFT,FLD, Training, Awareness, Advisory Soil & Water test, Extension Activities Training and CFLD, Establishment of mushroom and Apiary unit under ARYA project
Panashapada,Gabakunda	Krushnaprasad	OFT,FLD, Training, Awareness , Advisory Soil & Water test, Extension Activities
Oruali,Samankula,Dhumal	Gop	OFT,FLD, Training, Awareness , Advisory Soil & Water test, Extension Activities, poultry activities under ARYA project
Gobindpur, Singhbrahmapur	Delanga	Mushroom, pisciculture activities under ARYA project
Tulashichura, Gopinathpur, Biranarasinghpur,Patajoshipur,Sukala	Puri Sadar	Establishment of mushroom and Apiary unit under ARYA project

2.1 Priority thrust areas

S. No	Thrust area
	Thrust area
1	Varietal substitution of vegetable crops for better yield
2.	Promoting INM,IPM,IWM in cereals, pulses ,oilseeds and vegetables
3.	To emphasize on management of problematic soil
4.	To advocate intensive and integrated pisciculture practices, fish seed production, ornamental fish culture
5.	To emphasize on minor carps and catfish farming
6.	To popularize IDM in betelvine
7.	To promote farm mechanisation and agro processing

8.	To promote Pond based IFS
9.	To advocate profitable dairy and goatary
10.	To propagate mushroom cultivation, bee keeping and floriculture
11.	To emphasize on entrepreneurship development
12.	To focus on value addition of fruits, vegetables and low cost marine fish
13	To address household food security

3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
10	10	77			0	0			57	20	77	18	18	112	6	2	0	0	64	40	70	42	112

Training												Extension activities										
Number of Courses		Number of Participants										Number of activities		Number of participants								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
60	60	1417	116	189	0	0	667	445	783	634	1417	488	488	7305	259	88	347	4253	2685	6938	4568	2719	7305

Impact of capacity building		Impact of Extension activities	
Number of Participants	Number of Trainees got employment (self/	Number of Participants	Number of participants got employment

trained		wage/ entrepreneur/ engaged as skilled manpower)									attended		(self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
400	272.72(Loss due to Cyclone)	24000	44514

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
120000	144800		

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	0						
Seminar/conference/ symposia papers	0						
Books	0						
Bulletins	0						
News letter	2	1000					
Popular Articles	0						
Book Chapter	0						
Extension Pamphlets/ literature	10	5000					
Technical reports	42	-					
Electronic Publication (CD/DVD etc)	6	Mass					
TOTAL	**60**	**6000**					

1 Achievements on technologies assessed and refined

OFT-1(Agronomy)

1.	Title of On Farm Trial	**Assessment of deep water rice varieties in Kharif**
2.	Problem diagnosed	**Lower** yield due to less tolerant of prevailing varieties to water logging
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technology option-I (TO-I): CR505 Technology option-II (TO-II): CR 506 Technology option-III (TO-III): CR 508
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NRRI, Cuttack
5.	Production system and thematic area	Paddy - Pulse
6.	Performance of the Technology with performance indicators	The trial plots were damaged due to heavy untimely rainfall & Cyclone 'Jawad'
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area:

Problem definition:

Technology assessed:

Table:

Technology	No. of	Yield component	Disease/	Yield	Cost of	Gross return	Net return	BC

option	trials	No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)	insect pest incidence (%)	(q/ha)	cultivation (Rs./ha)	(Rs/ha)	(Rs./ha)	ratio

Results:

OFT-2(Agril.Engg.)

1.	Title of On Farm Trial	Assessment of 6-row Riding type Rice Transplanter for mechanized line transplanting in Kharif season
2.	Problem diagnosed	High labour cost and time involved in manual line transplanting
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Manual line Transplanting with the help of rope and guide Technology option-I (TO-I): Self Propelled 8-row Rice Transplanter Technology option-II (TO-II): 6-row Riding type Paddy Transplanter
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Released by AICRP on FIM, CAET, OUAT,2015 as transferrable technology , Validated by AICRP on FIM, CAET, OUAT, 2016
5.	Production system and thematic area	Paddy- Groundnut & Paddy- Pulse, Farm mechanization
6.	Performance of the Technology with performance indicators	Field capacity(ha/h), Time saving, Labourrequirement(MDs/ha)

7.	Final recommendation for micro level situation	6-row riding type rice transplanter covers more area in less time. Since it ensures uniform row and hill spacing, thereby facilitates mechanical weeding
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Training, Interactive discussion and Demonstrations

Thematic area: Farm Mechanisation

Problem definition: High labour cost and time involved in manual line transplanting

Technology assessed: Technology option-I (TO-I): Self Propelled 8-row Rice Transplanter
Technology option-II (TO-II): 6-row Riding type Paddy Transplanter

Table:

Technology option	No. of trials	Yield component			No. of missing hill /meter length	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Field capacity (ha/h)	Labour requirement (Mandays/ha)	Cost of operation (Rs/ha)						
FP	07	0.0047	35	11500/-	Nil	43.7	41950	65550	23600	1.56
TO_1	07	0.143	3	7500/-	2-3	43.2	37950	64800	26850	1.70
TO_2	07	0.4	3	5360/-	Nil	44.5	35810	66750	30940	1.86

Results:

OFT 3 (Agril.Engg.)

1.	Title of On Farm Trial	Assessment of Tractor drawn multicrop seed cum fertilizer for sowing of groundnut
2.	Problem diagnosed	Low yield due to improper plant population, more time involved in sowing behind the bulloc drawn plough, Low net return (upto 15%) in traditional method of sowing of groundnut due t high cost of cultivation.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Sowing of Groundnut behind the bullock drawn plough Technology option-I (TO-I): Sowing of Groundnut by means of bullock drawn plough planter Technology option-II (TO-II):Sowing of Groundnut by Tractor drawn multi crop 9-row seed cum fertilizer drill
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on UAE, CAET, OUAT, Bhubaneswar,2015 Validated by AICRP on FIM, CAET, OUAT, 2016
5.	Production system and thematic area	Paddy- Groundnut,Farm mechanization
6.	Performance of the Technology with performance indicators	Field capacity(ha/h), Time saving, Labourrequirement(MDs/ha), Cost of operation (Rs/ha), Plant population/sq.m
7.	Final recommendation for micro level situation	The programme is continuing
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Training, Interactive discussion and Demonstrations

Thematic area: Farm Mechanisation

Problem definition:

Technology assessed: Technology option-I (TO-I): Sowing of Groundnut by means of bullock drawn plough planter.

Technology option-II (TO-II): Sowing of Groundnut by Tractor drawn multi crop 9-row seed cum fertilizer drill.

Table:

Technology option	No. of trials	Yield component			No. of plant population / sq.m	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Field capacity (ha/h)	Labour requirement (Mandays/ha)	Cost of operation (Rs/ha)						
FP	07	0.06	continuing							
TO_1	07	0.12								
TO_2	07	0.4								

Results:

TO_1- Sowing of Groundnut by Bullock drawn plough planter

TO_2- Sowing of Groundnut by Tractor drawn Seed cum fertilizer drill

OFT-4(Plant Protection)

1.	Title of On Farm Trial	Assessment of management of Rhinoceros beetle in Coconut
2.	Problem diagnosed	Low yield due to high infestation of beetles

3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Application of Gammexane Technology option-I (TO-I): Dusting of Carbofuran 3G @1Kg a.i/ha in manure pits, use of iron hooks, twice application of Phorate 10G @5gms mixed with sand (1:2)in three inner most leaves of the plant at 6 months interval, Installation of pheromone trap with rhino lure @ 12/ha Technology option-II (TO-II): Spraying of 250ml of Metarrhizium culture+ 750ml of water in manure pit. use of iron hooks, Field release of Baculovirusinnoculated adult @ 15 beetles/ha. Soak castor cake 1kg/5lit of water in small mud pots to attract and kill the adults. Application of Neem seed powder + sand(1:2) @ 150gm at the base of the 3 inner leaves of the plant
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CPCRI, Kasaragod, Kerala, TNAU, Coimbatore
5.	Production system and thematic area	Coconut, IPM
6.	Performance of the Technology with performance indicators	No. of beetles caught per trap, Yield (nuts/ha), B:C ratio
7.	Final recommendation for micro level situation	IPM practice taken in Technology option I is a suitable practice for management of beetles
8.	Constraints identified and feedback for research	Availability of Trap & Lure is a constraint and lure should be changed at 15days interval
9.	Process of farmers participation and their reaction	Training, Interactive discussion and method demonstration

Thematic area: IPM

Problem definition:

Technology assessed: Technology option-I (TO-I): Dusting of Carbofuran 3G @1Kg a.i/ha in manure pits, use of iron hooks, twice application of Phorate 10G @5gms mixed with sand (1:2)in three inner most leaves of the plant at 6 months interval, Installation of pheromone trap with rhino lure @ 12/ha

Technology option-II (TO-II): Spraying of 250ml of Metarrhizium culture+ 750ml of water in manure pit. use of iron hooks, Field release of Baculovirusinnoculated adult @ 15 beetles/ha. Soak castor cake 1kg/5lit of water in small mud pots to attract and kill the adults. Application ofNeem seed powder + sand(1:2) @ 150gm at the base of the 3 inner leaves of the plant

Table:

Technology option	No. of trials	Yield component	% ofinfestatation	Yield (nuts/ ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of beetles caught per trap						
FP	07	-	34.2	8976	44250	107712	63462	2.43
TO_1	07	5.4	17.6	12036	53100	144432	91332	2.72
TO_2	07	-	18.2	10931	49560	131172	81612	2.64

OFT-5(Plant Protection)

1.	Title of On Farm Trial	Assessment of Panama wilt in Banana
2.	Problem diagnosed	low yield due to high infestation of Panama wilt in Banana

3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Spraying of Carbendazim and Dimethoate Technology option-I (TO-I): Planting of disease free suckers, +apply lime @ 40gm/pit + 250gm neem cake/pit + 500gm vermi compost + soil drenching of 0.2 % carbendazim 50 WP soluation at 2nd, 4th and 6thmonths after planting + stem injection of carbendazim 50 WP@ 2-3ml/plant (20gm/lit solution) at 3rd, 5th and 7th month after planting Technology option-II (TO-II): Planting of disease free suckers, +apply lime @ 40gm/pit + 250gm neem cake/pit + 500gm vermi compost + soil drenching of 0.1 %(Trifloxystrobin 25 WP + Tebuconazole 50 WP) soluation at 2nd, 4th and 6th months after planting + stem injection of (Trifloxystrobin 25 WP + Tebuconazole 50 WP) 2-3ml/plant (1gm/lit solution) at 3rd, 5th and 7th month after planting
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on fruit,OUAT,2019 NRCB,Tamilnadu, 2018
5.	Production system and thematic area	Banana, IDM
6.	Performance of the Technology with performance indicators	% of wilt, No of splits, Yield, B:C ratio
7.	Final recommendation for micro level situation	Continuing
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Training, Interactive discussion and method demonstration

Thematic area: IPM

Problem definition:

Technology assessed: Technology option-I (TO-I): Planting of disease free suckers, +apply lime @ 40gm/pit + 250gm neem cake/pit + 500gm vermi compost + soil drenching of 0.2 % carbendazim 50 WP soluation at 2nd, 4th and 6th months after planting + stem injection of carbendazim 50 WP@ 2-3ml/plant (20gm/lit solution) at 3rd, 5th and 7th month after planting.

Technology option-II (TO-II): Planting of disease free suckers, +apply lime @ 40gm/pit + 250gm neem cake/pit + 500gm vermi compost + soil drenching of 0.1 %(Trifloxystrobin 25 WP + Tebuconazole 50 WP) soluation at 2nd, 4th and 6th months after planting + stem injection of (Trifloxystrobin 25 WP + Tebuconazole 50 WP) 2-3ml/plant (1gm/lit solution) at 3rd, 5th and 7th month after planting.

Table:

Technology option	**No. of trials**	**Yield component**		**Yield (q/ha)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
		% of Wilt	**No of Splits**					
FP	07	Continuing						
TO_1	07							
TO_2	07							

Results:

OFT-6 (Fishery Sc.)

1.	Title of On Farm Trial	**Assessment of growth promoters for maximizing Amur carp fry yield in nursery ponds**
2.	Problem diagnosed	Less growth rate of Amur carp spawns during winter and poor yield of fries
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessment of feeding of spawns with growth promoters like Manganous sulphate and Cobaltous chloride each at a dose of 0.01mg per spawn per day after being thoroughly incorporated with powdered feed (TO1) and commercially available yeast powder at a dose of 0.5% of total powdered feed (TO2)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TO-1- ICAR-CIFA – 2013 and TO-2 – TNAU-2019
5.	Production system and thematic area	Pond based farming system, Production & Management
6.	Performance of the Technology with performance indicators	Survival rate, Reduction in DOC (days), Yield, B:C ratio
7.	Final recommendation for micro level situation	TO1- Faster growth of spawns have been envisaged (DOC was reduced by 4 days from FP and 2 days from TO2) with highest yield & survival rate
8.	Constraints identified and feedback for research	Salts of micronutrients like Mn and Co as MnSO4 and CoCl2 respectively should be separately made commercially available for pisciculture in rural areas. Its laboratory grade is now only available at few selected chemical shops in the city / township areas.
9.	Process of farmers participation and their reaction	Farmers were involved in the entire process from nursery preparation to harvesting of Amur carp frys. They were convinced that although growth promoters are used in trace quantities but the resultant effect is quite visible and huge

Thematic area: Production and Management

Problem definition: Less growth of Amur carp spawns during winter and poor yield of fries

Technology assessed: Farmers' Practice (FP) : Only powdered feed (Rice bran: GNOC ::1:1)
Technology Option-1 (TO-1) : Use of Manganous sulphate and Cobaltous chloride each at a dose of 0.01mg per spawn per day (Incorporated with powdered feed)

Technology Option-2 (TO-2) :Use of commercially available yeast powder (*Saccharomyces cerevisiae*) at a dose of 0.5% of total powdered feed to be served daily

Table:

Technology option	No. of trials	Yield component			Yield (Lakh/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Survival Rate (%)	Incremental change (%) in Survival rate over FP	Total days of culture to attend avg. fry size (25mm)					
FP	3	32.60	-	17	24.45	2,07,200	4,89,000	2,81,800	2.36
TO1	3	40.50	24.23	13	30.38	2,23,800	6,07,600	3,83,800	2.71
TO2	3	35.36	8.46	15	26.52	2,10,000	5,30,400	3,20,400	2.52

Results: Use of growth promoters help in increasing survival rate, induce faster growth thus reduce days of culture and maximize the yield & profit per unit area

Mixing of yeast powder in powdered feed

Broadcasting of Growth Promoter incorporated powdered diet for feeding of Amur carp spawns

Incorporation of MnSO4 and CoCl2 in powdered diet for feeding of spawns

OFT-8 (Fishery Sc.)

1.	Title of On Farm Trial	**Assessment of efficacy of different probiotics on growth performance of carps**
2.	Problem diagnosed	Low fish yield and more susceptible to diseases due to non use of probiotics
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessment of efficacy of soil and water probiotics on growth of carps
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	College of Fisheries, OUAT
5.	Production system and thematic area	Pond based farming system, Disease Management
6.	Performance of the Technology with performance indicators	Avg. plankton density (ml/50 litres of pond water), Survival rate (%), Disease incidence (%), ABW of harvested fish (g), Yield (q/ha), B:C ratio
7.	Final recommendation for micro level situation	TO2- Highest fish yield with highest avg. body growth & survival rate have been envisaged due to non-occurrence of fish diseases and existence of abundant natural food supply in pond aquatic ecosystem
8.	Constraints identified and feedback for research	Regular application of soil & water probiotics in pond water sometimes result in depletion of DO level in water at early morning hours.
9.	Process of farmers participation and their reaction	Farmers were involved in the entire process from basal pond manuring up to harvesting. They realized the technology is simple, cost-effective and eco-friendly.

Thematic area: Disease Management

Problem definition: **: Low fish yield and more susceptible to diseases due to non use of probiotics**

Technology assessed: Farmers Practice (FP): Feeding with artificial supplementary feed (GNOC and rice bran at 1:1) and no use of probiotics
Technology option-I (TO-I): Application of Soil probiotic (Rid all) @ 1 kg/Acre-m water area / month
Technology option-II (TO-II): Application of Water Probiotic (Water spell) @ 5 Lit/ Acre-m water area / month

Table:

Technology option	No. of trials	Yield component			Parasitic disease	Yield	Cost of	Gross return (Rs/ha)	Net return	BC ratio
		Avg.	Survival Rate	ABW of						

		Plankton density (ml / 50 litres)	(%)	harvested fish (g)	incidence (%)	(q/ha)	cultivation (Rs./ha)		(Rs./ha)	
FP	7	2.0	58.0	650	3	28.24	1,75,300	3,37,800	1,62,500	1.92
TO1	7	2.3	60.3	740	-	33.46	2,02,400	3,98,500	1,96,100	1.96
TO2	7	2.5	63.0	780	-	36.82	2,21,000	4,39,800	2,18,800	1.99

Results: Use of soil & water probiotics act as a biological control to fish diseases, increase plankton density in water and survival rate, growth & final yield of fish

Mixing of soil probiotics "RidAll" in river sand

Broadcasting of sand mixed "RidAll" soil probiotics for deteriorated pond bottom amelioration

Fish harvested from a water probiotics "Water Spell" treated pond

OFT-9 (Home Science)
Round the Year -21

1.	Title of On Farm Trial	**Refinement of packaging practices of Paddy straw mushroom**
2.	Problem diagnosed	Distress Sale and low income due to short shelf life

3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technology option-I (TO-I): Fresh Mushrooms Buds washed with potassium meta bisulphite (KMS 0.1% and o.1% citric acid,) for 10 minutes and allowed to air dry on muslin cloth for 30 min and then packed in paper Bags punched with 10 holes stored at room temperature Technology option-II (TO-II): Fresh Mushrooms Buds washed with potassium meta bisulphite (KMS 0.1%) and dipped in (o.1%)citric acid for 10 minutes and allowed to air dry on muslin cloth for 30 min and then packed in paper Bags punched with 20 holes (0.5 cm diameter) stored at room temperature Technology option-III (TO-III): Cleaned Fresh Mushrooms Buds with packed in paper Bags punched with 24 holes (0.5 cm diameter) stored at room temperature
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	PAU,2010,Farmer's Feedback
5.	Production system and thematic area	Coconut Orchard intercropping,Value addition
6.	Performance of the Technology with performance indicators	Sensory Evaluation, Weight loss(%), Shelf life(Hours)
7.	Final recommendation for micro level situation	$TO_3$was found to be the best in sensory evaluation test and mushrooms stored were fit for consumption after 24 hrs at room temperature.
8.	Constraints identified and feedback for research	Preparation cost of Paper bag is high and not available as per the demand of the farmers
9.	Process of farmers participation and their reaction	Group meeting, interactive discussion, training and demonstration

Thematic area: Value addition

Problem definition: Distress Sale and low income due to short shelf life

Technology assessed: Technology option-I (TO-I): Fresh Mushrooms Buds washed with potassium meta bisulphite (KMS 0.1% and o.1% citric acid,) for 10 minutes and allowed to air dry on muslin cloth for 30 min and then packed in paper Bags punched with 10 holes stored at room temperature
Technology option-II (TO-II): Fresh Mushrooms Buds washed with potassium meta bisulphite (KMS 0.1%) and dipped in (o.1%)citric acid for 10 minutes and allowed to air dry on muslin cloth for 30 min and then packed in paper Bags punched with 20 holes (0.5 cm diameter) stored at room temperature
Technology option-III (TO-III): Cleaned Fresh Mushrooms Buds with packed in paper Bags punched with 24 holes (0.5 cm diameter) stored at room temperature

Table:

Technology option	No. of trials	Appearance after 24 hours (1 Day)					Yield (kg/bed)	Weight loss (%)	Net Income/ Bed	Additional Income/Bed
		Colour	Texture	Odour	Consumability	Overall acceptability		(24 hr)		
FP	10	+2	+3	+2	+3	+2	1	10	-	-
TO_1	10	+2	+4	+2	+2	+2	1	8	-	-
TO_2	10	+3	+4	+3	+3	+3	1	12.6	27/bed	-
TO_3	10	+4	+4	+4	+4	+4	1	15.3	41/bed	14/bed

Appearance	Colour	Texture	Odour	Consumability	Overall acceptability
	+4 creamy	+4 smooth	+4typical fresh mushroom	+4 readily acceptable	+4 excellent
	+3 mousy	+3 wrinkled	+3 dry powdery	+3 acceptable	+3 good
	+2 brown	+2 pulpy	+2 off smell	+2 not acceptable	+2 poor
	+1 dark brown	+1 unacceptable	+1 pungent	+1 unacceptable	+1 bad

Results: Fresh Cleaned Mushroom Buds packed in paper Bags punched with 24 holes (0.5 cm diameter) stored at room temperature after 24 hours has best sensory quality sold in high cost than chemically treated packed mushroom.

OFT-10 (Home Science)
Round the Year -21

1.	Title of On Farm Trial	**Assessment of Coconut value added products for income generation**
2.	Problem diagnosed	Low income due to distress sale
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice (FP):** Dry Coconut **Technology option-I (TO-I):** Coconut Chips (slicing the coconut meat of eleven- to twelve-month-old nuts thinly into strands-0.6-0.7mm thickness, soaked in syrup, drained and dried) **Technology option-II(TO-II):** READY-TO-USE COCONUT CHUTNEY MIX (Toast Bengal gram dhal with little oil to light brown. Coconut milk residue, Chilli, ginger, curry leaves together at low temperature adding little coconut oil. Mix all the ingredients together add salt and tamarind and make into a coarse powder). **Technology option-III (TO-III):** Virgin Coconut Oil (VCO) is extracted from fresh coconut milk obtained from matured coconut of 12 months old. **Technology option-IV (TO-IV):** Coconut Pickle (Coconut-8-9 month old, Garlic, Chili Powder, Green Chilly, Mustard oil, Vinegar, Ginger, Carrot, Mustard powder& Salt)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Coconut Development Board, Kochi
5.	Production system and thematic area	Homestead & Value addition
6.	Performance of the Technology with performance indicators	Sensory Evaluation, Shelf life(Days)
7.	Final recommendation for micro level situation	The programme is continuing
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Group meeting, interactive discussion, training and demonstration

Thematic area: Value addition

Problem definition: Low income due to distress sale

i. Technology assessed: **Technology option-I (TO-I):** Coconut Chips
Technology option-II(TO-II): READY-TO-USE COCONUT CHUTNEY MIX
Technology option-III (TO-III): Virgin Coconut Oil
Technology option-IV (TO-IV): Coconut Pickle

Table:

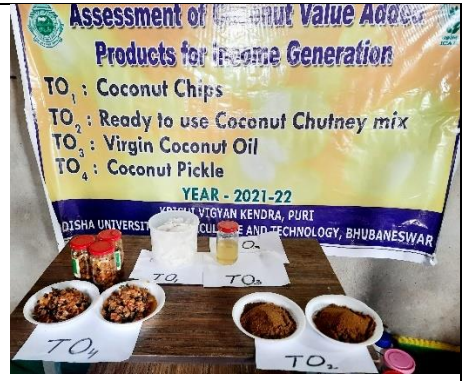
Technology option	No. of trials	Appearance after 3 Months (90 Days)					Cost of Product Rs. /Kg	Gross Income Rs. /Kg	Net Income Rs. /Kg	Additional Income Rs. /Kg
		Colour	Texture	Odour	Consumability	Overall acceptability				
FP	10									
TO_1	10									
TO_2	10	Continuing								
TO_3	10									
TO_4	10									

Results:

Preparation of Coconut Chips

Preparation of Coconut Pickle

Preparation of Virgin Coconut oil



Coconut Value added Products

OFT-11 (Agril. Extension)
Round the Year

1.	Title of On Farm Trial	**Assessment of different marketing channel for marketing of kadaknath poultry**
2.	Problem diagnosed	Lower net profit of kadaknath farmers inspite of high market price
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Door to door marketing by individual farmers Technology option-I (TO-I):Marketing through SHGs/FPOs Technology option-II (TO-II): Marketing through broiler marketing channel Technology option-III (TO-III): E -marketing
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	-
5.	Production system and thematic area	-
6.	Performance of the Technology with performance indicators	Continuing
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: Varietal evaluation

Problem definition: Lower net profit of kadaknath farmers inspite of high market price

Technology assessed: Technology option-I (TO-I):Marketing through SHGs/FPOs
Technology option-II (TO-II): Marketing through broiler marketing channel
Technology option-III (TO-III): E -marketing

Table:

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

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Paddy	Varietal evaluation	Demonstration of salt tolerant rice variety: Luna Suvarna during kharif FP-Lalmedi(150days) RP-Cultivation of saline tolerant variety Luna Suvarna(CR- DHAN-403) suitable to coastal saline soil , 150 days duration, Height: 135 cm, Avg yield: 3.5- 4.0	2	0.6			1		9		10		10	Unavailability of seed

			t/ha, Resistant to Blast, Tolerance to Stem Borer, BPH, Leaf folder.												
2.	Paddy	Weed Management	Demonstration of herbicides for weed management in transplanted rice during kharif FP-Two handweedingat 45 and 65 DAS RP- Pre émergence application of herbicide (Bensulfuronmethyl 0.6%+ Pretilachlor 6.0%) @ 10 kg/ha at 3 DAT and post emergence application of penoxsulan 21.7SC @ 20g ai/ha at 15 DAT.	2	2					10		10		10	
3.	Paddy	Varietal evaluation	Demonstration of CR 307 (Maudamani) for Boro rice cultivation	2	2					10		10		10	
4	Paddy	IPM	**Demonstration on integrated management practices of neckblast in paddy** Seed treatment with carboxin 37.5% + Thiram 37.5% @ 2.5gm/Kg, two sprays of Trifloxystrobin 25% + Tebuconazole 50% (Nativo 75WG) @ 200g/ha at 15 days interval starting first spray at disease (leaf	2.0	2.0							10	0	10	

			blast) appearance**.**												
5	Paddy	IPM	**Demonstration of Integrated management of Stem borer in Summer Paddy** FP-Spraying of triazophos/ propenophos/cypermethrin RP-Nursery treatment with cartap hydrochloride 4G@ 0.8 kg perhactare, + twice spraying of neem oil 3000ppm @3ml/lit and Indoxacarb 18.5SL@1ml/litre at 50DAT at 15 days interval + twice releaseof T. chilonis @ 50,000/ha 7days after each spraying.	1.0	2.0							10	0	10	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					

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

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
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

Pulses

Frontline demonstration on pulse crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
	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

Crop	Thematic area	Name of the technology	No. of	Area	Yield (q/ha)	% chan	Other parameters	*Economics of demonstration (Rs./ha)	*Economics of check (Rs./ha)

		demonstrated	Farmer	(ha)	Demonstration	Check	gein yield	Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Paddy	Varietal evaluation	saline tolerant variety Luna Suvarna(CR-DHAN-403) suitable to coastal saline soil , 150 days duration, Height: 135 cm, Avg yield: 3.5-4.0 t/ha, Resistant to Blast, Tolerance to Stem Borer, BPH, Leaf folder.	10	0.6	Demonstration plot Damaged due to heavy rain and cyclone “Jawad”												
Paddy	Weed management	Pre émergence application of herbicide (Bensulfuronmethyl 0.6%+ Pretilachlor 6.0%) @ 10 kg/ha at 3 DAT and post emergence application of penoxsulan 21.7SC @ 20g ai/ha at 15 DAT.	10	2	43	37	16.21	EBT-10.5 WCE-70.2	EBT-8.5 WCE-	45000	83400	38420	1.85	43800	71780	27980	1.63
Paddy	Varietal evaluation	CR-307	10	2	41.9	37.8	10.84	EBT-10.2	EBT-8.6	44700	81286	36586	1.81	44700	73332	28632	1.64

Paddy	IPM	**Demonstration on integrated management practices of neckblast in paddy** Seed treatment with carboxin 37.5% + Thiram 37.5% @ 2.5gm/Kg, two sprays of Trifloxystrobin 25% + Tebuconazole 50% (Nativo 75WG) @ 200g/ha at 15 days interval starting first spray at disease (leaf blast) appearance**.**	10	2.0	51.6	43.8	17.8	No. of infected panicle/ sq.m - 23	No. of infected panicle/ sq.m – 6.7	42500	77400	34900	1.82	39800	65700	25900	1.65

Paddy	IPM	**Demonstration of Integrated management of Stem borer in Summer Paddy** FP-Spraying of triazophos/ propenophos/cypermethrin RP-Nursery treatment with cartap hydrochloride 4G@ 0.8 kg perhactare, + twice spraying of neem oil 3000ppm @3ml/lit and Indoxacarb 18.5SL@1ml/litre at 50DAT at 15 days interval + twice releaseof T. chilonis @ 50,000/ha 7days after each spraying.	10	2.0	57.2	44.6	28.25	No. of white earhead/ sq.m – 4.75 Percentage of dead heart – 12.82	No. of white earhead/ sq.m – 0.72 Percentage of dead heart – 3.92	48200	85800	37600	1.78	42600	66900	24300	1.57

Chilli	IPM	**Demonstration of integrated management of thrips& mites in chilli** Soil application of neem cake @2.5 qt/ha,Installation of Blue sticky traps @50nos/ha, & need based application of Difenthiuron @1gm/lt&Spiromesifen 240 SC @ 0.6ml/ lit alternately at 10 days interval	10	1.0	247	204	21.07	No. of thrips/plant-2.83	No. of thrips/plant-8.12	76875	148200	71325	1.92	71775	122400	50625	1.70
Pointedgourd	Micro Irrigation	**Demonstration of Drip irrigation with mulching in Pointed gourd** Use of 50 micron mulch film with drip irrigation (in line drip - discharge 2lph) operating for 70-80 minutes in winter and 80-155 minutes in summer inalternate days.	03	0.4	117.1	96.8	20.97	Weeding cost - 7200/- per ha Irrigation water used – 123mm	Weeding cost - 12300/- per ha Irrigation water used – 165mm	142352	292750	150398	2.06	122920	242000	119080	1.96

Pine apple **Round the Year 2020**	Cultivation of fruits	**Demonstration on Intercropping of Pine apple Queen var. in Coconut Orchard** FP-Sole cropping without intercrop RP-Cultivation of Pine apple Queen var. as a component crop in coconut OrchardCultivation of pineapple in interspaces in coconut orchard. Planting in flat bed with row to row spacing 2ft and plant to plant spacing 1ft leaving 2.5m distance from coconut plant. The average yield is 50-80 tonnes/ha depending upon spacing and cultural practices. Fruit weighs 0.9-1.3 kg. Suitable for table purpose	05	0.1	32MT	No intercrop				49150	120000	70850	2.44	-	-	-	-

Marigold Rabi20-21	Ornamental Plants	FP:Use of Var. Seracole RP: Use of Var. Bidhan Marigold-2	05	0.18	118	90	31.11			139300	215000	75700	1.54	126500	150000	23500	1.18
	Total		68														

Demonstration on integrated management practices of Neckblast in Paddy

Demonstration of Integrated management of Stem borer in Summer Paddy

Demonstration of integrated management of thrips& mites in chilli

Demonstration of Drip irrigation with mulching in Pointed gourd

Demonstration of marigold variety Bidhan marigold- 2

Demonstration on Intercropping of Pine apple Queen var. in Coconut Orchard

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	

Poultry Rabi-20-21	Poultry management	**Demonstration on backyard poultry breed Kadaknath** Rearing of poultry birds in semi-intensive system	10	10 (20 Chicks /unit)	Avg. Body Wt/6 Months-1.6 kg	Avg. Body Wt/6 Months-0.90kg	77.77	Mortality 4%	Mortality 15%	300/bird	720bird	420/bird	2.4	140/bird	225/bird	85/bird	1.9
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




Backyard Poultry Rearing Kadaknath

Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No .of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR

Common carps	Production & Management	Pond based IFS for doubling farmers' income FP- Practising only pisciculture by stocking IMC fingerlings RP- Stocking of yearlings of IMC @ 5000 nos/ha, planting of papaya, banana and drumstick on pond dyke+ Mushroom+ Poultry	10	10	Growth parameters of fish i.e. ABW of harvested fish, fruits/plant kg/Bed wt./Bird	Growth parameters of fish i.e. ABW of harvested fish,	Continuing	-	-	-	-	-	-	-	-	-	-

Mussels	Production & Management	**Java Punti, *Puntius gonionotus as intercrop* in composite fish culture** FP- Culture of IMC only RP- Incorporation of Java Punti with IMC i.e. stocking of Catla: Rohu: Mrigal: Java Punti::3:4: 3:2 @ 10000 nos/ha.	12	12	33.74 (IMC) + 8.12 (Punti) –	34.62	20.85	Survival rate (%)- Java Punti – 62, IMC – 80 ABW (g) - Java Punti– 131, IMC- 843	Survival rate (%)- IMC – 86 ABW (g) - IMC- 805	217000	495000	278000	2.28	184500	410400	225900	2.22

	Disease Management	**Demonstration on use of Ivermectin in controlling Argulosis** FP-Use of traditional fish feed and no use of chemicals for disease control RP-Application of Paracure I. V. (Ivermectin 2 % w/w) @ 250 gm/ 1 ton traditional fish feed fed @ 5-3% of body weight daily for 4 days to control Argulosis	5	5	28.86	22.40	28.84	Disease incidence (%) – 1 Survival Rate (%) – 76 ABW (g) - 760	Disease incidence (%) – 8 Survival Rate (%) – 64 ABW (g) - 700	175000	345000	170000	1.97	168200	265800	97600	1.58

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

Advance mixed fingerlings have been supplied from KVK farm to 10 farmers under FLD – Strengthening of pond-based IFS models

12 number of Fish farmers of villages – Singhbrahmapur, Janekadeipur and Dahana received advance Java Punti fingerlings from KVK

	
Harvesting of intercrop "Java Punti" fishes from Composite Pisciculture	**Field Day on "Intercropping of Java Punti in 3 – species IMC composite carp culture**

Other enterprises

ory		Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit		
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return
oom		Enterprise development														

Straw room -21	**Demonstration of production of paddy straw mushroom with Crumbled straw** FP- Production of paddy straw mushroom from rotten straw in rainy season RP-Production of paddy straw mushroom with Crumbled straw	10	10(40 beds/Unit)	0.650/bed	0.8/bed	--	Biological efficiency-13.0 %	Biological efficiency-8%	Rs.37/bed	Rs.97/bed	Rs60./bed	2.62	Rs.70/bed	Rs.120/bed	Rs.50/b
compost															
lture															
lture															
s ecify)															

* 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

Paddy straw mushroom with Crumbled straw

Women empowerment

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Farm Women	**Demonstration of Nutrition Sensitive Organic Kitchen garden for better Health & additional income of farm family (COVID-19)** FP-Kitchen garden with 2/3 seasonal vegetables RP- Nutrition Sensitive Organic Kitchen garden with multiple crops including annuals, perennials.	10	Vegetable consumption (g/member/day) -320	Vegetable consumption (g/member/day) -180	Nutritional garden is established at household ensure the daily supply of fresh vegetables in the diets &Vegetable consumption (g/member/day) increased 77.7%.Additional Income (Rs/Unit)-3800/-
			Production of vegetable kg/Unit/ Annum -870	Production of vegetable kg/Unit/ Annum-450	
			Net Income (Rs/Unit)-7550	Net Income (Rs/Unit)-3750	

Pregnant women					
Children					
Neonatal					
Infants					




Nutritional garden for improving nutritional security

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)			
					Demonstration	Check									

Groundnut Thresher Rabi-20-21	**Groundnut**	**Demonstration of Tractor drawn Groundnut Thresher for threshing of Groundnut in Rabi season** Use of Tractor drawn Groundnut thresher consisting of threshing cylinder, concave, cylinder casing, cleaning system and feeding chute.	10	2.0	5.5q/hr	0.02q/hr	99.27	0.09 MDs/q	8.32 MDs/q			190/- per qtl	998/- per qtl		

Tractor drawn Zero till Seed cum Fertilizer drill Rabi-20-21	**Greengram**	**Demonstration of tractor drawn Zero till Seed cum Fertilizer drill for line sowing of Greengram - Field capacity – 0.4ha/h, sowing of seeds in 9 row with fluted roller mechanism and inverted "T" type furrow opener**	10	1.0	0.4ha/h	0.02ha/h	1900	2MDs/ha	8MDs/ha			2600/- (Rs/ha)	2400/- (Rs/ha)		
Tractor drawn Whole straw Paddy thresher	**Paddy**	**Demonstration of tractor drawn whole straw paddy thresher to produce bundle straw for mushroom production**	10	2.0	5.2q/h	1.1q/h	372.72	1.44MDs/q	6.81MDs/q			174/- (Rs/q)	198/- (Rs/q)		

Tractor drawn Multi crop Seed cum Fertilizer drill	**Paddy**	**Demonstration of direct seeding of paddy by tractor drawn multi crop seed cum Fertilizer drill** Use of Tractor drawn 9-row multi crop Seed cum Fertilizer drill	08	2.0	0.4ha/h	0.02ha/h	1900	2MDs/ha	8MDs/ha			2600/-(Rs/ha)	3400/-(Rs/ha)		

*** 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 of tractor drawn Zero till Seed cum Fertilizer drill for line sowing of Greengram

Demonstration of Tractor drawn Whole straw Thresher to produce bundle straw for mushroom production

Demonstration of direct seeding of paddy by tractor drawn multi crop seed cum Fertilizer drill

Demonstration of Tractor drawn Groundnut Thresher for threshing of Groundnut in Rabi season

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (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	22.11.21	1	30	Mushroom in Crumbled straw can solve the problem of unavailability of straw due to mechanization
2.	Farmers Training	-	22	550	Farmers were getting aware about different cultural practices for pest and disease management and need based safe use of chemicals. Training on Backyard poultry farming, Mushroom cultivation,Pisciculture and Mechanization
3.	Media coverage	-	12	Mass	
4.	Training for extension functionaries		1	20	Extension personnel were educated about different key pests identification and their nature of damage along with proper management skills prior to chemical pesticides.

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif2021 and Rabi 2021-2022:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
	Blackgram	Local	5.4	-40	-82		PU-1 + Cluster Demonstration on Blackgram (Seed treatment with *Imidachloprid(Gauch)* @5ml/kg of seed and inoculation	50	20	7.9	5.0	7.2	30.9		

							with Rhizobium@20 gm/kg of seed), Redomil gold 400gm/acre, Dinetofuran 80gm/acre, streptocycline 20.04gm/acre, yellow sticky Trap 06 nos./acre, Neem oil 1500ppm @ 0.6lit/acre								

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio
	PU-1 + Cluster Demonstration on Blackgram (Seed treatment with *Imidachloprid(Gauch)* @5ml/kg of seed and inoculation with Rhizobium@20 gm/kg of seed), Redomil gold 400gm/acre, Dinetofuran 80gm/acre	16000	27000	11000	1.68	20922	36000	15078	1.72

	, streptocycline 20.04gm/acre, yellow sticky Trap 06 nos./acre, Neem oil 1500ppm @ 0.6lit/acre								

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
	PU-1 + Cluster Demonstration on Blackgram (Seed treatment with *Imidachloprid(Gaucho)* @5ml/kg of seed and inoculation with Rhizobium@20 gm/kg of seed), Redomil gold 400gm/acre, Dinetofuran 80gm/acre, streptocycline 20.04gm/acre, yellow sticky Trap 06 nos./acre, Neem oil 1500ppm @ 0.6lit/acre	720	500	50	80	140	Livelihood	18

D. Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the	Suggestions, for change/improvement, if any

						group/village	
	PU-1 + Cluster Demonstration on Blackgram (Seed treatment with *Imidachloprid(Gaucho)* @5ml/kg of seed and inoculation with Rhizobium@20 gm/kg of seed), Redomil gold 400gm/acre, Dinetofuran 80gm/acre, streptocycline 20.04gm/acre, yellow sticky Trap 06 nos./acre, Neem oil 1500ppm @ 0.6lit/acre	Yes	Bold black seeded	Yes		yes	

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Moderately resistant against MYMV, leaf crinkle, web blight, and powdery mildew and resistant to anthracnose & bacterial leaf spot diseases. It is semi-spreading, determinate growth habit, the ovate shape of the terminal leaflet, hairy and long pods having 6-9 seeds/pod and bold seed size (4.5g/100 seed). It is also tolerant to stem fly and whitefly.		Leaf spot and MYMV occurrence is very low.	Yield is good in comparison to the local variety and early maturity with good market price. Less insect due to hairy pods

F. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Field day	25.3.2021, Basudeipur	30

2	Field day	26.3.21, Naruda	30

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

Input distribution among farmers

Mechanical transplanting using seed cum fertilizer drill

Field visit

9. Farmers' training photograph

10. Quality Photographs of field visits/field days and technology demonstrated.

Seed treatment with Imidachloprid and Rhizobium

Plant population count in farmer's field

Yellow sticky trap installation	Field day conducted in farmer's field

11. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Blackgram	i) Critical input	162000	172448	-10448
	ii) TA/DA/POL etc. for monitoring	6000	4357	1643
	iii) Extension Activities (Field day)	5000	-	5000
	iv)Publication of literature	5000	360	4640
	V) contingency	2000	1635	365
	Total	180000	178800	1200*

*Rupees 1200/- has been used for Audit charges.

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

A) Farmers and farm women (on campus)

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total													
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off0season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Protective cultivation													
Others													
Total (a)													
b) Fruits													
Training and Pruning													
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													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
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													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements	1	21	0	21	4	0	4	0	0	0	25	0	25
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total	1	21	0	21	4	0	4	0	0	0	25	0	25
VII. Plant Protection													
Integrated Pest Management	2	21	21	42	4	4	8	0	0	0	25	25	50
Integrated Disease Management	1	25	0	25	0	0	0	0	0	0	25	0	25
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	3	46	21	67	4	4	8	0	0	0	50	25	75
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture	1	-	17	17	-	8	8	-	-	--	-	25	25
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													
Pearl culture													
Fish processing and value addition													
Others													
Total	1	-	17	17	-	8	8	-	-	--	-	25	25
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development	2	13	31	44	4	2	6	0	0	0	17	33	50
Group dynamics	1	0	25	25	0	0	0	0	0	0	0	25	25
Formation and Management of SHGs	1	0	25	25	0	0	0	0	0	0	0	25	25
Mobilization of social capital	1	9	1	10	13	2	15	0	0	0	22	3	25
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
DFI	2	14		14	19	17	36				33	17	50
Promotion of ITK	2	14	32	46	1	3	4				15	35	50
Market led Extension	1	24		24	1		1				25		25
ICT	2	21	28	49	1		1				22	28	50
Total	12	95	142	237	39	24	63	0	0	0	134	166	300
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	**17**	**162**	**180**	**342**	**47**	**36**	**83**	**0**	**0**	**0**	**209**	**216**	**425**

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs	1	16	0	16	5	0	5	0	0	0	21	0	21
Planting material production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Vermiculture	1	0	20	20	0	0	0	0	0	0	0	20	20
Mushroom Production													
Beekeeping	1	0	17	17	0	3	3	0	0	0	0	20	20
	2	19	16	35	1	5	6	0	0	0	20	21	41
Sericulture													
Repair and maintenance of farm machinery and implements	1	20	0	20	0	0	0	0	0	0	20	0	20
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries	1	19	-	19	1	-	1	-	-	-	20	-	20
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing	1	10	-	10	-	-	-	-	-	-	10	-	10
Others	1	13	7	20	0	0	0	0	0	0	13	7	20
Total	**9**	**97**	**60**	**157**	**7**	**8**	**15**	**0**	**0**	**0**	**104**	**68**	**172**

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	3	68	0	68	1	0	1	0	0	0	69	0	69

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security	2	0	40	40	0	0	0	0	0	0	0	40	40
Other	1	16	0	16	4	0	4	0	0	0	20	0	20
Other (Fish Health Management)	1	17	-	17	3	-	3	-	-	-	20	-	20
Total	**7**	**101**	**40**	**141**	**8**	**0**	**8**	**0**	**0**	**0**	**109**	**40**	**149**

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total													
II. Horticulture													
a) Vegetable Crops													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of low volume and high value crops	01	25	0	25	0	0	0	0	0	0	25	0	25
Off0season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)	01	25	0	25	0	0	0	0	0	0	25	0	25
b) Fruits													
Training and Pruning													
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													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants	01	13	03	25	03	06	09	0	0	0	16	09	25
Others													
Total (c)	01	13	03	25	03	06	09	0	0	0	16	09	25
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)	**2**	**38**	**3**	**50**	**3**	**6**	**9**	**0**	**0**	**0**	**41**	**9**	**50**
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	0	21	21	0	4	4	0	0	0	0	25	25
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet	1	0	22	22	0	3	3	0	0	0	0	25	25
Minimization of nutrient loss in processing	1	0	23	23	0	2	2	0	0	0	0	25	25
Processing & cooking													
Gender mainstreaming through SHGs													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Storage loss minimization techniques													
Value addition	3	0	64	64	0	11	11	0	0	0	0	75	75
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others	8	0	100	100	0	100	100	0	0	0	0	200	200
Total	**14**	**0**	**230**	**230**	**0**	**120**	**120**	**0**	**0**	**0**	**0**	**350**	**350**
VI. Agril. Engineering													
Farm machinery & its maintenance	2	40	3	43	7	0	7	0	0	0	47	3	50
Installation and maintenance of micro irrigation systems	1	10	11	21	0	4	4	0	0	0	10	15	25
Use of Plastics in farming practices	1	0	0	0	18	7	25	0	0	0	18	7	25
Production of small tools and implements													
Repair and maintenance of farm machinery and implements	2	25	1	26	9	15	24	0	0	0	34	16	50
Small scale processing and value addition	1	0	26	26	0	0	0	0	0	0	0	26	26
Post Harvest Technology													
Others													
Total	**7**	**75**	**15**	**90**	**34**	**26**	**60**	**0**	**0**	**0**	**109**	**67**	**176**
VII. Plant Protection													
Integrated Pest Management	5	60	34	94	21	10	31	0	0	0	81	44	125
Integrated Disease Management	1	1	1	2	11	12	23	0	0	0	12	13	25
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	6	61	35	96	32	22	54	0	0	0	93	57	150
VIII. Fisheries													
Integrated fish farming	2	28	7	35	11	4	15	-	-	-	39	11	50
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture	7	117	51	168	7	-	7	-	-	-	124	51	175
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													
Pearl culture													
Fish processing and value addition													
Others													
Biofloc Fish Farming	1	22	1	23	2	-	2	-	-	-	24	1	25
Crab fattening / farming	1	22	-	22	3	-	3	-	-	-	25	-	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Total	11	189	59	248	23	4	27	-	-	-	212	63	275
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
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													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	**38**	**325**	**339**	**664**	**89**	**172**	**261**	**0**	**0**	**0**	**414**	**537**	**951**

E)RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture	1	0	20	20	0	0	0	0	0	0	0	20	20
Mushroom Production													
Beekeeping	1	0	17	17	0	3	3	0	0	0	0	20	20
Sericulture													
Repair and maintenance of farm machinery and implements	1	20	0	20	0	0	0	0	0	0	20	0	20
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Total	**3**	**20**	**37**	**57**	**0**	**3**	**3**	**0**	**0**	**0**	**20**	**40**	**60**

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants			Grand Total
		Other	SC	ST	

		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	1	11	9	20	0	0	0	0	0	0	11	9	20
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology	2	30	10	40	0	0	0	0	0	0	30	10	40
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application	1	22	1	23	2		2				24	1	25
Management in farm animals													
Livestock feed and fodder production													
Household food security	2	0	40	40	0	0	0	0	0	0	0	40	40
Other													
IPR & agricultural innovation	2	34	4	38	2		2				36	4	40
Ag.Engg	1	16	0	16	4	0	4	0	0	0	20	0	20
Total	**9**	**113**	**64**	**177**	**8**	**0**	**8**	**0**	**0**	**0**	**121**	**64**	**185**

G) Consolidated table (ON and OFF Campus)

i. Farmers& Farm Women

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total													
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops	01	25	0	25	0	0	0	0	0	0	25	0	25
Off0season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)													
b) Fruits													
Training and Pruning													
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													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants	01	13	03	25	03	06	09	0	0	0	16	09	25
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	0	21	21	0	4	4	0	0	0	0	25	25
Design and development of low/minimum cost diet													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Designing and development for high nutrient efficiency diet	1	0	22	22	0	3	3	0	0	0	0	25	25
Minimization of nutrient loss in processing	1	0	23	23	0	2	2	0	0	0	0	25	25
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition	3	0	64	64	0	11	11	0	0	0	0	75	75
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others	8	0	100	100	0	100	100	0	0	0	0	200	200
Total	**14**	**0**	**230**	**230**	**0**	**120**	**120**	**0**	**0**	**0**	**0**	**350**	**350**
VI. Agril. Engineering													
Farm machinery & its maintenance	2	40	3	43	7	0	7	0	0	0	47	3	50
Installation and maintenance of micro irrigation systems	1	10	11	21	0	4	4	0	0	0	10	15	25
Use of Plastics in farming practices	1	0	0	0	18	7	25	0	0	0	18	7	25
Production of small tools and implements													
Repair and maintenance of farm machinery and implements	3	46	1	47	13	15	28	0	0	0	59	16	75
Small scale processing and value addition	1	0	26	26	0	0	0	0	0	0	0	26	26
Post Harvest Technology													
Others													
Total	8	96	41	137	38	26	64	0	0	0	134	67	201
VII. Plant Protection													
Integrated Pest Management	7	81	55	136	25	14	39	0	0	0	106	69	175
Integrated Disease Management	2	26	1	27	11	12	23	0	0	0	37	13	50
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	9	107	56	163	36	26	62	0	0	0	143	72	225
VIII. Fisheries													
Integrated fish farming	2	28	7	35	11	4	15	-	-	-	39	11	50
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture	8	117	68	185	7	8	15	-	-	--	124	76	200
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Biofloc Fish Farming	1	22	1	23	2	-	2	-	-	-	24	1	25
Crab fattening / farming	1	22	-	22	3	-	3	-	-	-	25	-	25
Total	12	189	76	265	23	12	35	-	-	-	212	88	300
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
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													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	**43**	**392**	**403**	**795**	**97**	**184**	**281**	**0**	**0**	**0**	**489**	**577**	**1076**

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs	1	16	0	16	5	0	5	0	0	0	21	0	21
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping	2	19	16	35	1	5	6	0	0	0	20	21	41
Sericulture													
Repair and maintenance of farm machinery and implements	2	40	0	40	0	0	0	0	0	0	40	0	40
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries	1	19	-	19	1	-	1	-	-	-	20	-	20
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing	1	10	-	10	-	-	-	-	-	-	10	-	10
Others	1	13	7	20	0	0	0	0	0	0	13	7	20
Total	**8**	**117**	**23**	**140**	**7**	**5**	**12**	**0**	**0**	**0**	**124**	**28**	**152**

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	4	79	9	88	1	0	1	0	0	0	79	9	88
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology	2	30	10	40	0	0	0	0	0	0	30	10	40
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other	2	32	0	32	8	0	8	0	0	0	40	0	40
Fish Health Management	1	17	-	17	3	-	3	-	-	-	20	-	20
Total	**9**	**158**	**19**	**177**	**12**	**0**	**12**	**0**	**0**	**0**	**169**	**19**	**188**

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Horticulture	F/FW	Marigold cultivation for Income Generation	1	Off	16	09	25	03	06	09
Horticulture	F/FW	Scientific cultivation Practices of Spine gourds	1	OFF	25	0	25	0	0	0
Plant Protection	F & FW	Stem Borer management in Paddy	02	On&Off	36	14	50	5	0	05
Plant	F & FW	Integrated management	01	On	0	25	25	0	4	04

Protection		of Thrips and Mites in Chilli								
Plant Protection	F & FW	Integrated management of vine rot in Betelvine	01	On	25	0	25	0	0	0
Plant Protection	F & FW	Integrated management practices of Neckblast in Paddy	01	Off	12	13	25	11	12	23
Plant Protection	F & FW	Integrated management of shoot and fruit borer in Brinjal	01	Off	5	20	25	0	6	06
Plant Protection	F & FW	BPH/WBPH management in Paddy	01	Off	22	3	25	18	3	21
Plant Protection	F & FW	Management of Spodoptera in Groundnut	01	Off	24	1	25	0	0	0
Plant Protection	F & FW	Integrated Pest management of YMV in Greengram	01	Off	19	6	25	2	1	03
Plant Protection	RY	Honey Bee Cultivation	4	On	20	20	40	1	5	06
Plant Protection	RY	Production of Biopesticides	2	On	21	0	21	5	0	05
Plant Protection	IS	Integrated disease and pest management in vegetables	3	On	40	0	40	0	0	0
Plant Protection	IS	Integrated disease and pest management in Paddy	2	On &Off	40	9	49	1	0	01
Agril. Engg.	F & FW	Operation & maintenance of Seed cum fertilizer drill for sowing Groundnut	1	On	25	0	25	4	0	04
Agril. Engg.	F & FW	Use of Tractor drawn Seed cum fertilizer drill for direct seeding of Rice	1	Off	25	0	25	4	0	04
Agril. Engg.	F & FW	Technique of MAT type nursery raising for using 6-row self propelled Rice Transplanter	1	Off	22	3	25	3	0	03
Agril. Engg.	F & FW	Use of drip irrigation system in horticultural crops	1	Off	10	15	25	0	4	04
Agril. Engg.	F & FW	Use of mulching in horticultural crops	1	Off	18	7	25	18	7	25
Agril. Engg.	F & FW	Operation & maintenance of Pulse Thresher	1	Off	9	16	25	4	15	19
Agril. Engg.	F & FW	Operation & maintenance of Dalmill	1	Off	0	26	26	0	0	0
Agril. Engg.	F & FW	Principles of working operation of Tractor drawn whole straw Thresher for bundle straw production	1	Off	25	0	25	5	0	05

Agril. Engg.	RY	Cost economics of Custom hiring Centre	2	On	13	7	20	0	0	0
Agril. Engg.	RY	Repair & maintenance of threshing implements in Paddy	2	Off	20	0	20	2	0	02
Agril. Engg.	RY	Repair & maintenance of Powertiller	2	Off	20	0	20	0	0	0
Agril. Engg.	IS	Safety Precautions while using Tractor and Powertiller	2	On &Off	40	0	40	8	0	08
Agril. Engg.	IS	Fertigation Technology	2	Off	30	10	40	0	0	0
Fishery Sc.	F & FW	Package of practices for biofloc fish farming	01	Off	24	1	25	2	1	03
Fishery Sc.	F & FW	Stocking and post stocking pond management	01	Off	0	0	0	13	12	25
Fishery Sc.	F & FW	Composite fish culture	01	Off	25	0	25	0	0	0
Fishery Sc.	F & FW	Short term culture of Minor carps in Seasonal rainfed ponds	01	Off	0	25	25	0	0	0
Fishery Sc.	F & FW	Multiple stocking and multiple harvesting in pond culture	01	Off	24	1	25	1	0	01
Fishery Sc.	F & FW	Feeding management for carp culture	01	Off	12	13	25	0	0	0
Fishery Sc.	F & FW	Fish diseases and their management	01	Off	19	6	25	6	0	06
Fishery Sc.	F & FW	Culture practices of Amur carp with IMC	01	Off	0	25	25	0	8	08
Fishery Sc.	F & FW	Fattening of crabs in Brackish water ponds	01	Off	22	3	25	3	0	03
Fishery Sc.	F & FW	Integrated fish Farming	01	Off	14	11	25	11	0	11
Fishery Sc.	RY	Round the year fish seed production activities	03	On	10	0	10	0	0	0
Fishery Sc.	RY	Ornamental fish (Egg layers) breeding technology	03	On	19	1	20	1	0	1
Fishery Sc.	IS	Fish health management	02	On	17	3	20	3	0	3
Home Science	FW	Management of Chicks Brooding	1	Off		25	25		0	0
Home Science	FW	Semi-intensive backyard poultry management	1	Off		25	25		18	18
Home Science	FW	Preparation of Pickles from Oyster Mushroom	1	Off		25	25		11	11
Home Science	IS	Sensitization of SHG members to promote income generation activities	1	On		20	20		0	0
Home Science	FW	Mushroom production for income generation	1	Off		25	25		10	10
Home	FW	Role of micro -nutrients	1	Off		25	25		03	03

Science		in human diet								
Home Science	FW	Nursery techniques for quality seedling production	1	Off		25	25		07	07
Home Science	FW	Planning, establishing and management of Nutritional Garden	1	Off		25	25		04	04
Home Science	FW	Azolla cultivation for Poultry Feed	1	Off		25	25		24	24
Home Science	FW	Practices for reducing nutrient losses during processing of fruits and vegetables	1	Off		25	25		02	02
Home Science	FW	Semi-intensive backyard poultry management	1	Off		25	25		16	16
Home Science	FW	Value addition in mushroom	1	Off		25	25		0	0
Home Science	FW	Management of Chicks Brooding	1	Off		25	25		24	24
Home Science	FW	Value addition in Coconut	1	Off		25	25		0	0
Home Science	FW	Coriander cultivation for income generation	1	Off		25	25		01	01
Home Science	RY	Preparation and use of Vermiwash&Vermicom post from kitchen waste	2	On		20	20		0	0
Home Science	RY	Honeybee rearing as a subsidiary output for Income generation	2	On		20	20		03	03
Home Science	IS	Sensitization of SHG members to promote income generation activities	1	Off		20	20		0	0
Home Science	Vocational	Food processing and preservation for income generation and to minimize post harvest loss	5	Off		10	10		0	0
Agril. Extn.	F& FW	Role of ITKs in promotion of organic farming in the district	01	Off	11	14	25	0	01	01
Agril. Extn.	F& FW	Leadership skills development in agriculture	01	Off	0	25	25	0	01	01
Agril. Extn.	F& FW	Enriching farmers profitability through FPO formation & management	01	Off	22	03	25	13	02	15
Agril. Extn.	F& FW	Online marketing facilities through android based technologies	01	Off	24	01	25	0	0	0
Agril. Extn.	F& FW	Various marketing opportunities &	01	Off	25	0	25	01	0	01

		production planning in vegetables								
Agril. Extn.	F& FW	Team management skills for enhancing effectiveness of team	01	Off	25	0	25	0	0	0
Agril. Extn.	F& FW	Role of ICT for the benefits of farmers in digital india	01	Off	21	04	25	01	0	01
Agril. Extn.	F& FW	Formation and strengthening of SHGs with respect to marketing of agricultural produce	01	Off	0	25	25	0	0	0
Agril. Extn.	IS	Status, challenges and issues of IPRs in agricultural innovation	01	Off	19	01	20	0	0	`0
Agril. Extn.	IS	Application of new media in extension	01	Off	19	01	20	02	0	02

Photographs

H) Vocational training programmes for Rural Youth

a) Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Farm	Repair	Repair	5	10	0	10		1	1	-

machinaries	& maintenance	and maintenance of Powertiller								
Fruits & Vegetables	Value Addition	Food processing and preservation for income generation and to minimize post harvest loss	05	-	10	10	-	2	4	1

*training title should specify the major technology /skill transferred

b) Details of participation

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Crop production and management													
Commercial floriculture													
Commercial fruit production													
Commercial vegetable production													
Integrated crop management													
Organic farming													
Other													
Total													
Post harvest technology and value addition													
Value addition	1	0	10	10	0	0	0	0	0	0	0	10	10
Other													
Total													
Livestock and fisheries													
Dairy farming													

Composite fish culture													
Sheep and goat rearing													
Piggery													
Poultry farming													
Other													
Total													
Income generation activities													
Vermicomposting													
Production of bioagents, biopesticides,													
biofertilizers etc.													
Repair and maintenance of farm machinery &imlements	1	3	0	3	7	0	7	0	0	0	10	0	10
Rural Crafts													
Seed production													
Sericulture													
Mushroom cultivation													
Nursery, grafting etc.													
Tailoring, stitching, embroidery, dying etc.													
Agril. Para-workers, para0vet training													
Other													
Total													
Agricultural Extension													
Capacity building and group dynamics													
Other													
Total													
Grand Total													

I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

Sl.No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of participants	Sponsoring Agency
					PF/RY/EF			

	Ceryficate course on insecticide managment for dealer & distributers	Insecticide management	Feb 21-Mar 21	12	Input dealer	1	40	NIPHM Hydrabad

b) Details of participation

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Crop production and management													
Increasing production and productivity of crops													
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management													
Production of Inputs at site													
Methods of protective cultivation													
Other													
Total													
Post harvest technology and value addition													
Processing and value addition													
Other													
Total													
Farm machinery													
Farm machinery, tools and implements													

Other													
Total													
Livestock and fisheries													
Livestock production and management													
Animal Nutrition Management													
Animal Disease Management													
Fisheries Nutrition													
Fisheries Management													
Other													
Total													
Home Science													
Household nutritional security													
Economic empowerment of women													
Drudgery reduction of women													
Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other													
Total													
Grant Total													

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	3	68	22	90	12	2	-	2	70	22	92
Kisan Mela	2	152	48	200	18	4	-	04	156	48	204
Kisan Ghosthi	2	42	58	100	18	14	6	20	56	64	140
Exhibition	3	195	332	527	100	0	0	0	195	332	527
Film Show	32	-	-	-							
Method Demonstrations	24	370	230	600	8	6	0	6	376	230	606
Farmers Seminar	3	116	135	251	8	2	0	2	118	135	253
Workshop	1	5	61	66	8	2	0	2	63	5	68
Group meetings	18	225	92	317	12	0	0	0	225	92	317

Lectures delivered as resource persons	58	696	464	1160	0	0	0	0	696	464	1160
Advisory Services	36	120	40	160	4	0	0	0	120	40	160
Scientific visit to farmers field	96	346	230	576	22	31	16	47	377	246	623
Farmers visit to KVK	110	731	226	957	8	112	46	158	843	272	1115
Diagnostic visits	72	176	112	288	-	38	12	50	214	124	338
Exposure visits	5	192	88	280	-	32	8	40	224	98	320
Ex-trainees Sammelan	1	38	12	50	-	0	0	0	38	12	50
Soil health Camp	1	50	0	50	-	0	0	0	50	0	50
Animal Health Camp	1	39	11	50		5	0	5	44	11	55
Agri mobile clinic	1	32	21	53		-	-	-	32	21	53
Soil test campaigns	1	32	18	50	0	0	0	0	32	18	50
Farm Science Club Conveners meet	1	32	18	50	0	0	0	0	32	18	50
Self Help Group Conveners meetings	2	0	110	110	0	0	0	0	0	110	110
MahilaMandals Conveners meetings											
International women's day	1	0	36	36	0	0	0	0	0	36	36
World water day	1	16	34	50	0	0	0	0	16	34	50
60th OUAT foundation day	1	43	7	50	0	0	0	0	43	7	50
World soil day	1	0	46	46	0	0	0	0	0	46	46
National mushroom day	1	25	25	50	0	0	0	0	25	25	50
Launch of international year of millets	1	62	109	171	65	0	0	0	62	109	171
Sankalp Se Siddhi	-	-	-	-	-	-	-	-	-	-	-
Swatchta Hi Sewa											
Mahila Kisan Divas	1	0	50	50	80	0	0	0	0	50	50
Mushroom entrepreneurs' meet	1	50		50	48	4	0	4	54	0	54
Coconut entrepreneur's meet	1	19	1	20	100	3	0	3	22	1	23
Web telecast programme on National Horticulture fair	1	36	14	50	32	0	0	0	36	14	50
Awareness programme for use of organic fertilizer	1	109	4	113	0	3	0	3	112	4	116
Awareness programme for grassroot level extension workers	1	25	0	25	8	0	0	0	25	0	25
Mass awareness programme for climate resilient	1	74	26	100	43	1	0	1	75	26	101

technology & methods in agriculture											
Awareness programme for input dealers on use of new generation pesticide	1	53	5	58	20.68	0	0	0	53	5	58
Live telecast of conference on Zero budget natural farming	1	84	0	84	7.14	0	0	0	84	0	84
Total	488	4253	2685	6938	621.82	259	88	347	4568	2719	7305

Photographs of Extension activities

<table>
<tr><td> 
</td><td>  </td><td>  </td></tr>
<tr><td colspan="2">Awareness programme for use of organic fertilizer</td><td>AGRI MOBILE CLINIC PANDASWAR</td></tr>
<tr><td>  </td><td>  </td><td>  </td></tr>
<tr><td>DFI workshop at Nimapara</td><td>Farmer's fair cum exhibition</td><td>National Mushroom day</td></tr>
</table>

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	18
Radio talks	18
TV talks	4
Popular articles	-
Extension Literature	14
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	Number of farmers to whom seed provided							
					SC		ST		Other		Total	
					M	F	M	F	M	F	M	F
Total												

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Blackgram (Rabi 2020)	PU-31	06.72q	74794								
Paddy (Kharif 2020)	Kalachampa	245 q	742595								
Paddy (Kharif 2020)	Pooja	187.2 q	567403								
Paddy (Kharif 2020)	Kalachampa	Non Seed	-								
Paddy (Kharif 2020)	Pooja	Non Seed	-								
Grand Total											

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Vegetable seedlings											
Cauliflower	Barkha	7480	11220								
Cabbage	Saint cabbage	3350	5025								
Tomato	ArkaRakshak/	8570	13445								
Brinjal	JK8031/Akshita	7610	11530								
Chilli	ArkaHarit/Arka Meghana	5855	9147								
Onion											
Others (Casicum, Brocolli, drumstick)	Indra Aishwarya ODC-3	1824	10110								
Fruits											

Mango											
Guava											
Lime											
Papaya	Red Lady/Ranchi Dwarf	4638	63105								
Banana											
Others		700	3500								
Ornamental plants	African Marigold/Seracole	9825	11790								
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Others, pl.specify											
Total			1,38,872								

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizersVermiculture	5	2500								
Vermicompost	820	8200								
Bio-pesticide										
Bio-fungicide										
Bio-agents										
Others, please specify. Honey	6	2400								
Total	**831**	**13,100**								

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Dairy animals											
Cows											
Buffaloes											
Calves											
Others (Pl. specify)											
Small ruminants											
Sheep											
Goat											

Other, please specify											
Poultry											
Broilers											
Layers											
Duals (broiler and layer)											
Japanese Quail											
Turkey											
Emu											
Ducks											
Others (Pl. specify)											
Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings	IMC	144800	98192								
Spawn											
Others (Pl. specify)											
Grand Total											

3.5. b. Seed Hub Programme-*"Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India"*

i) Name of Seed Hub Centre:

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

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2020	Paddy	Kalachampa	6ha	6ha	245 q	F/S
	Paddy	Pooja	6ha	6ha	187.2 q	F/S
Rabi 2020-21	Blackgram	PU-31	6ha	6ha	6.72 q	C/S
Summer/ Spring 2021						
Kharif 2021	Paddy Paddy	Kalachampa Pooja	6ha 6ha	6ha 6ha	112 q 154 q	
Rabi 2021-2022						

iii) Financial Progress

Fund received	Expenditure (Rs. in lakh)	Unspent	Remarks

(2017-18, 2018-19, 2019-20, 2020-21, 2021-22)	Infrastructure	Revolving fund	balance (Rs. in lakhs)	
2017-18				
2018-19				
2019-20				
2020-2021				
2021-2022				

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper				
Seminar/conference/ symposia papers				
Books				
Bulletins				
News letter	NilachhalaKrushiBartta	*All Scientists*	1000	KVK Puri
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature	Compendium of Pesticides	*Mohanty,S Sethy, S Mahapatra,N*	*500*	KVK Puri
	Training Manual on Mushroom	*Acharya, S, Mohanty,S*	*50*	KVK PURI
	Training Manual on Honey Bee	*Acharya, S, Mohanty,S*	*50*	KVK PURI
	Training Manual on Poultry	*Sethi S, Mohanty,S*	*50*	KVK PURI
	Training Manual on Honey Bee	*Nayak A P, Mohanty,S*	*50*	KVK PURI
Technical reports	Monthly Progress Report, Monthly achievement, SAC, Special Celebration, Success story, Case studies, Annual progress Report, Annual action plan etc	-	-	-
Electronic Publication (CD/DVD etc)	Success story documentation on poultry farming,Organic Paddy cultivation,IFS	-	-	-

TOTAL				

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:

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.					
2.					
3.					
4.					
5.					
6.					
7.					

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

Name of farmer	Mrs.Srandhanjali Gil
Address	W/O-Laxman Gil,At-Kanhupur, Block-Satyabadi
Contact details (Phone, mobile, email Id)	Mobile No.8658098875
Landholding (in ha.)	-
Name and description of the farm/ enterprise	Mushroom Cultivation ➢ Currently she is preparing 320 paddy straw mushroom beds per month. ➢ She owns a semi structured shed-net house ➢ Average Production is 0.8 kg/bed (21days/cycle) ➢ She is producing 2304kg mushroom in 9 months. ➢ Previously she was selling mushroom Rs.130/kg. Now she is getting an additional income of Rs.10/kg due to use of paper bags for selling which is the innovation of ARYA project. ➢ Employment generation 220 days/year
Economic impact	➢ Scientific management increases the production from 0.72kg/bed to 0.8 kg/bed ➢ Additional employment generated 40days/annum ➢ Post harvest management of mushroom by cleaning, sorting & grading enhances the profit @ Rs.10/-per kg. **Change in economic status of the youth due to adoption of ARYA project:** ➢ Before inclusion in ARYA project her income was Rs.66,528/- ➢ After involvement in ARYA project her income is Rs.1,72,800/ ➢ 159% increase in income over the previous

	income
Social impact	She has surfaced up as a successful mushroom grower and acted as eye opener for nearby villages.
Environmental impact	This low cost semi-structured shed-net house model for mushroom cultivation and knowledge of post management of mushroom has not only created an interest among rural educated youths in faming but also has changed the mindset for growing mushroom in open condition. The institutional support from ARYA & NHM can be a boon to retain in mushroom farming. She has also dreamed to establish a Mushroom Processing Unit with the support of ARYA project. Her success has become the common man's voice in the locality.
Horizontal/ Vertical spread	Her success is also motivated women SHGs to adopt the enterprise for their livelihood enhancement

Good quality of action photograph of the enterprise:

		
Scientific mushroom cultivation enhance the	**Scientist Visit to her Unit**	**Harvesting Mushroom**

Success Story-2

Name of farmer	**Mr. Prasanta Kumar Pradhan**
Address	S/O-Arakhita Pradhan, village-Singhbrahmapur, Block- Delanga, Dist - Puri
Contact details (Phone, mobile, email Id)	Mobile No- 9556873726
Landholding (in ha.)	1.8 Acre
Name and description of the farm/ enterprise	Fish fry/fingerling production
Economic impact	IMC fry production in nursery pond, Rearing of fry to fingerlings and yearlings, multiple stocking and multiple harvesting **Present income status:** • Avg. net income from his 1.8 Ac pond is Rs. 2,05,000/-per annum. • Increase in income over previous income is around 72%
Social impact	
Environmental impact	Mr Prasanta Pradhan has started constructing one cemented hatchery for carp breeding and seed production. Many farmers are visiting his nursery units and are trained by Mr

	Pradhan. He is the role model for the farmers adopting new initiatives in pisciculture
Horizontal/ Vertical spread	Around 8-9 farmers of nearby villages started fish seed rearing seeing the success of Mr Prasanta Pradhan

			
Harvesting of Fingerlings	Conditioning of fingerlings in happa	Oxygen packing and selling	Sample netting and harvesting of fish

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 technology	Name/ Details of the Innovator(s)	Brief details of the Innovative Technology

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

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)

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	Diagnostic field visit	Farmers and Farm women
2	Group discussion	Rural Youth
3	PRA Tools	Farmers and Farm women
4	Stake holders meet	Inservice
5	Feedback	Farmers and Farm women
6	Identification of courses for farmers/farm women, Rural Youth, In-service personnel through participatory discussion during rapport building	Specific training need analysis of different cliental group
7	Training modules are developed by conducting PRA in villages	Problem analysis of different activities and prioritization
8	Need analysis and designing of training module through filling the printed proforma “Initial Evaluation” of KVK.	To fulfill the demand and to meetup the requirement of the trainees

3.11. a. Details of equipment available inSoiland Water Testing Laboratory

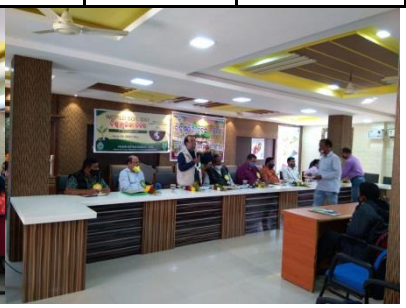
Sl. No	Name of the Equipment	Qty.

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 soil testing kit/labs	Through soil testing laboratory	Total			

3.11.c. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1	1. Soil health card & Leaflet distribution 2. Soil health campaign 3. Farmers scientist interaction	46	2	PresidentZilla Parishad, Puri and ADM, puri	-	46



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

No of training programme	No of demonstrations	No of plant material produced	Visit by the farmers	Visit by the officials

3.13. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology

3.14. RAWE/ FETprogramme - is KVK involved? (Y/N)

No of student trained	No of days stayed
8	-

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit
04.01.21	Pranab Balabantray, MLA	KVK Farm visit
08/12/21	Pramod P. Kurian, Asst.Director Coconut board, Kochi	KVK Farm visit

4. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Scientific poultry farming with improved poultry breeds	135	23	3900	10025
Scientific management practices in Mushroom Cultivation	176	75	120/Bed	150/Bed
Soil application of neem cake @2.5 qt/ha,Installation of Blue sticky traps @50nos/ha, & need based application of Difenthiuron @1gm/lt &Spiromesifen 240 SC @ 0.6ml/ lit alternately at 10 days interval-Integrated management for thrips & mites in Chilli	20	37	49235	70800

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
• Popularization of stress tolerant paddy var. Swarna sub 1. • Demonstration of Ranidhan with nitrogen management by Leaf colour Chart • Spreading of BINA-11 in convergence with IRRI • Introduction of salt tolerant paddy varieties like	• Swana sub 1 is being grown in 15% of paddy area • 42 nos. of paddy seed grower in Puri district • L. Suvarna & L. Sampad are being grown in 60Ha area. • 192 nos. of paddy transplanter and 194 nos. of combined harvester are functional

Luna suvarna, Luna sampad • Demonstration of IPM (Stem Borer, BPH, Leaf Folder),IDM(Sheath Blight),IWM,INM practices. • Seed treatment & soil testing campaign • Plant health clinic • Production of quality foundation seeds in the KVK farm • KMA services	• 2121 Ha is under mechanized line transplanting • 24.38% increase in yield
Varietal Trial in Pulses & Oilseeds under CFLD	• INM, weed management, IPM have shown significant increase in yield upto32% • YMV incidence in Greengram&Blackgram is very low • Groundnut seed production (FPO) developed in Kanas block
• IDM in Betel vine IDM comprising of bio-pesticide(Neem cake 750 kg/ha, *Trichoderma viridae*5 kg/ha, Bordeaux mixture 1% soil drenching & 0.5% foliar spray alternatively at 15 days intervals	• One of the cash crop of the district covering an area of 520 ha • Leaf yield of 52.3lakh/ha/yr was obtained as against 37.8lakh/ha/yr which is 38% higher • 42% of the betelvine grower are using neemcake • 40% of the fertiliser dealers are selling neem cake
Popularisation of Pointed gourd var. Swarna Aloukik	No.of villages:4 No.of farmers:92 Area covered: 26 ha out of total area of 45 ha
Cultivation of marigold var. Seracole 30,000 seedlings per ha, with spacing of cm 45x30,NPK kg/ha 60:50:60 and vermicompost in month of October with seedling production.	Marigold area spread to 12 ha in the district 31% increase in yield than Desi Flower with an economic advantage Rs.49,900/ha
• Scientific management of Paddy straw mushroom cultivation training • Demonstration on Oyster mushroom var. *Hypsizygousulmarius* • Trial on high yielding var. OSM 11 & OSM-12 • Linkage with NHM for commercial Mushroom production & Spawn Unit • Introduction of off season mushroom in Poly house to meet the high demand of paddy straw mushroom • Effective utilization and conversion of spent mushroom substrate into vermicompost • Compost method for paddy straw mushroom cultivation • Capacity building training on mushroom cultivation and value addition	• Horizontally spread from 4 to 11 blocks and 5870 no. of farm families are involved in mushroom farming • 3nos.of processing units have been developed involving 2 Self Help Groups. • 14 mushroom spawn units established after getting training from CTMRT and under the guidance of KVK • 300 commercial mushroom units taking scientific advisory for better production • 260 persons are involved in marketing and 45 straw suppliers developed
Popularisation of Coloured Poultry breeds Vanraja& Black Rock for backyard rearing in semi-intensive system for both meat and egg purpose	• Added an extra income of Rs.5000/- per batch of 20 birds • 96471 Backyard poultry (9%) produces 2.5 million eggs in the district which • has a great impact on nutritional security

	• 3No. of brooding units are functional in the district • Mid day meal eggs are being supplied by SHGs
• Yearling stocking @5000 numbers/ha in composite carp culture • Application of Floating fish feed @ 2-1 % of body weight • Intercropping of minor carps (*L. gonionotus and L. fimbriatus*) with IMC • Substitute Rohu with Jayanti Rohu • Application of Probiotics and multimineral in pisciculture • Application of humic acid for plankton production • Introduction of Amur carp in stead of common carp • Introduction of Fresh water prawn with IMC • Placing of periphytic substrate in pond for growth enhancement • Grass carp for biological control of aquatic weeds	• This technology has spread over 740 ha pond water area covering around 315 villages of the district. • 278 numbers of unutilized ponds have been utilized for commercial fish production • 12 numbers of private hatchery have been established for IMC spawn production • More than 420 ha water area is being utilized for fingerling and yearling production • More preference towards live fish consumption than iced fish

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. No.	Brief details of technology	Impact of the technology in subjective terms	Impact of the technology in objective terms
1			

4.4. Details of innovations recorded by the KVK

Thematic area	
Name of the Innovation	
Details of Innovator	
Back ground of innovation	
Technology details	
Practical utility of innovation	

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Mr.Dama Maharana (Entreprenuer)
Name & complete address of the entrepreneur	At Hari Shankarpur, Block-Satyabadi,Puri Mobile -9776152456
Role of KVK with quantitative data support:	Mr. DamaMaharanareceived a training on Bee Keeping conducted by KVK, then he started beekeeping with the technical guidance of Krishi

	Vigyan Kendra Scientists. He started bee keeping with 4 bee colonies besides farming. Based on his skill and knowledge, he was motivated and encouraged to establish bee keeping unit at his farm by KVK, also included in the ICAR-ARYA Project .
Timeline of the entrepreneurship development	
Technical Components of the Enterprise	Initially he started with 8 units of *Apiscerena indica* in his farm with the support of KVK. Due to the floral abundance in and around his farm, there was a rapid development in the colonies. annum.
Status of entrepreneur before and after the enterprise	He started bee keeping with 4 bee colonies besides farming. At present there are nearly 30 bee hive boxes which produces140kg of honey per year. He is selling honey @ Rs.600 per kg and bee colonies@ Rs. 1000.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	On an average he is earning Rs1, 10, 000./- as additional benefit per annum. . In fact, he states that the demand for good quality honey is so high that he is not even able to meet his own local market demands. He also started his Input supply selling unit in support of ICAR –ARYA project running under KVK since last two years and earned an additional income of Rs.50,000/- per annum
Horizontal spread of enterprise	Presently he is the lead farmer in the Puri district on beekeeping and also provides support service to other Apiary units of nearby villages.He has been working on bees for over 10 years and works closely with farmers across the district. He travels, meets farmers, trains them, gives them bee boxes, follows up them on the progress and examinee the health of the bees regularly. He also helps them to sell their produce. Now the farmers perceived that bee keeping is a reward winning enterprise seeing the success of Mr.Maharana



Entrepreneur- 2

Entrepreneurship development	
Name of the enterprise	SangramKesariPatra
Name & complete address of the entrepreneur	At – Resinga, Po- Dandipur, PS- Balanga, Block – Nimapada, Pincode - 752105
Role of KVK with quantitative data support:	During one farmer-scientist interaction programme he approached KVK for seeking information on different farm implements used for all the agricultural operations starting from land preparation to harvesting of crop. KVK provided him with a broad vision about farm mechanization through skill development vocational training programme, field demonstration, linkage with farmers and different stake holders, proper follow ups and supply of extension literature. Under the guidance of KVK scientists, he prepared a detailed project report for Rs.25 lakhs and it was sanctioned by bank for establishing custom hiring centre. He started the centre with purchase of Tractor, primary & secondary tillage

	implements, trolley, Rice Transplanter, Zero tillage Seed cum fertilizer drill, potato planter, potato digger and one combine harvester.
Timeline of the entrepreneurship development	
Technical Components of the Enterprise	1. Use of Zero tillage Seed cum Fertilizer drill for sowing pulses like Greengram and Blackgram 2.Organic cultivation of Potato with use of Trcator drawn Potato Planter and Potato digger 3.Mechanized rice cultivation starting from sowing to harvesting by using Nursery seed spreader, Self propelled 8-row Rice Transplanter, Combine Harvester
Status of entrepreneur before and after the enterprise	
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	1. Gross income from Custom hiring Centre – Rs.10.57lakhs per annum 2. No of persons employed – 4 3. In a year he covered 200-250 farmers. 4. Act as a registered service provider of State Govt for Transplanter, Seed cum fertilizer drill and Combine Harvester Imparts training to IRRI sponsored Cereal System Initiative for South East Asia Personnel.
Horizontal spread of enterprise	Many ITI and diploma students are now undergoing their practical training in his centre. His custom hiring centre has become an exposure visit site for the entire district. Some youths are slowly taking up his line of path by purchasing single implement and then generating income by giving it on hiring.To some extent his centrealso acts as a repairing centre

			
Operation of Self propelled Rice Transplanter	Puddling of Paddy field by Tractor drawn Rotavator	Sowing of Greengram by Tractor drawn Seed cum fertilizer drill	Operation of Combine harvester

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
i) Agriculture Department	REF Linkage, Monitoring BGREI Programme, ATMA Capacity building, ATMA Participatory Research, Soil Day Celebration,

	In-service Training, DLMT Meeting, Strategy Meeting, Farmer Scientist Interaction, Participation in field day of CFLD, District level Kisan Mela
ii)Horticulture Department	QPM Verification, RE Linkage, Farmer Scientist Interaction, Project Proposal preparation for entrepreneurs, , In-service Training
iii)Fishery Department	RE Linkage, Farmer Scientist Interaction, Project Proposal preparation for entrepreneurs, , In-service Training
iv)Veterinary Department	RE Linkage, Farmer Scientist Interaction, Project Proposal preparation for entrepreneurs, , In-service Training, Active support both in terms of man power and inputs during organization of Animal Health camp
v) Forest Department	Procurement of forest plants
vi) SWAD- NGO	Supply of Paddy Seeds, Capacity building
vii) IRRI-OUAT Collaborative project	Head to Head trials on Stress tolerant rice varieties, screening of stress tolerance varieties
Viii) DSWO,Puri	In-service training programme for AWWs & Extension Functionaries
ix) CIFA, Bhubaneswar	Procurement of IMC spawn & fry
x)OUAT, Bhubaneswar	Procurement of Paddy seeds, Planting Materials, Tricho cards, Poultry, mushroom mother spawn
xi)CHES, Bhubaneswar	QPM of fruits & Vegetables
xii)OSSC, Bhubaneswar	Sale of foundation seed of paddy, supply of breeder seeds

5.2. List of special programmes undertaken during 2021by 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

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

(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.)

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq. mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Poly house	2018	41.8	*Vegetable seedling*	Seedling	44514	51555	72267	Sold to public & distributed

									in FLD programmes
2.	Azolla Unit	2019	08.0	*A.pinnata*	Azolla	-	-	-	-
3.	Mushroom Unit	2016	40.13	*V.volvacea P.sajarcaju*	Mushroom	1.28 q 1.13 q	14140	18450	Sold to public
4.	Vermi compost	2018	8.17	*E.Foetida*	Vermiculture & vermicompost	8.2q 5kg culture	4700	10700	Utilised in the instructional farm
5.	Medicinal Unit	2014	600	24 types of medicinal plants	-	-	-	-	-
6.	Ornamental fish	2019	10	Ornamental fish	-	-	-	-	-
7.	Apiary Unit	2020	9 boxes	*Apis cerena indica*	Bee colony & Honey	4 colony + 6kg	1500	6400	Sold to public & colony established in instructional farm
	Total						71895	97117	

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Paddy	29.06.21	30.12.21	6.0	Kalachampa	Non seed	112			
Paddy Kharif 21-22	29.06.21	04.01.22	6.0	Pooja	Non seed	1546.72			
Blackgram (Rabi 20-21)			6.0	PU-31	CS				

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

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Vermicompost & Vermiculture	820 kg 5kg	4700	10700	-

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

Sl. No	Name of the animal /	Details of production			Amount (Rs.)		Remarks
		Breed	Type of	Qty.	Cost of	Gross income	

	bird / aquatics		Produce		inputs		
1.	Fingerling	IMC	Fingerling	1,44,800	64027	98,192	Sold to public & distributed in OFT & FLD programmes

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)- NA

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Total :			

(For whole of the year)

6.6. Utilization of staff quarters- NA

Whether staff quarters has been completed:
No. of staffquarters:
Date of completion:
Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Current	SBI	Sakhigopal, Puri	11346446097
Current	SBI	Sakhigopal, Puri	30356069907
Current	SBI	Sakhigopal, Puri	39580900261

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April, 2021
	Kharif	Rabi	Kharif	Rabi	

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2021
	Kharif	Rabi	Kharif	Rabi	

2019.5. Utilization of KVK funds during the year 2021-22(Not audited)

Sl. No.	Particulars	Sanctioned (Lakh)	Released (Lakh)	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	98.0		
2	Traveling allowances	1.20	0.9	0.9
3	HRD	0.3	0.225	0.225
4	Contingencies	20.00		
A	OE/POL			
B		4.40	3.30	3.30
C	Training material			
D	Training	3.3	2.475	2.475
E	FLD	1.65	1.2375	1.2375
F	OFT	1.65	1.2375	1.2375
G				
H				
I				
J	Swachhta Expenditure/ SAP Fund SCSP	9.00	6.75	6.00
TOTAL (A)		139.5	16.125	16.125
B. Non-Recurring Contingencies				
1	Equipment + Furniture	2.6		
2	Works 1. Admn Building	12.76		
3	2. Farmers Hostel	33.94		
4	3. Storage Godown	5.0		
	4. Irrigation	4.0		
	5. Library	0.1		
TOTAL (B)		58.4		
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2019-20	10,21,257.31	8,79,766.00	12,07,692.75 (8,07,692.75 Expenditure 4,00,000 Profit money deposited to DEE,OUAT,BBSR)	6,93,330.56 (Rs 1,25,000 pending with OSSC for Blackgram seed)
2020-21	6,93,330.56	9,92,290	11,10,258	5,75,362. 27 (Closing Balance) (Paddy seed unprocessed-474q Blackgram -9q)

2021-22				

7.6. (i) Number of SHGs formed by KVKs
(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities

Sl. No.	Area of activity	No. of SHG involved	No. of Participants	Remark
1	Mushroom cultivation	**112**	**1680**	Total 85 groups were trained on mushroom cultivation. 75 groups were trained under Hort. Dept. and 10 groups of KVK villages were provided with technical guidance and linked with Hort. Dept. for different schemes. SHG groups got benefited with package of Rs.10000 from Hort. Dept.
2	Nutritional Garden	**23**	**55**	Total 40 members of 11 different SHGs were trained on NutritionalGarden and linked with OLM on Mo UpakariBagicha scheme
3	Vermicomposting	**6**	**14**	Near about 6 SHGs were started vermicomposting
4	Fishery	**23**	**68**	23 SHGs have started fish farming in leased ponds and linked with Fishery Dept. for availing schemes.
5	Vegetable cultivation	**12**	**28**	Total 12 no of SHGs were provided technical guidance in vegetable cultivation

(iii) Details of marketing channels created for the SHGs

7.7. Joint activity carried out with line departments and ATMA

Nameof activity	Number of activity	Season	With line department	With ATMA	With both
Animal Health Camp	01	Rabi	Animal Health Dept.		

8. Other information

8.1. Prevalent diseases in Crops

Name of the disease	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)

8.2. Prevalent diseases in Livestock/Fishery

Name of the disease	Species affected	Date of outbreak	Number of death/ Morbidity rate (%)	Number of animals vaccinated	Preventive measures taken in pond (in ha)

9.1. Nehru YuvaKendra(NYK) Training

Title of the training programme	Period		No. of the participant		Amount of Fund Received (Rs)
	From	To	M	F	

9.2. PPV & FR Sensitization training Programme

Date of organizing the programme	Resource Person	No. of participants	Registration (crop wise)	
			Name of crop	No. of registration

9.3. *mKisan*Portal (National Farmers' Portal/ SMSPortal)

Type of message	No. of messages	No. of farmers covered
Crop	8	**75310**
Livestock	0	
Fishery	8	
Weather	2	
Marketing	0	
Awareness	2	
Training information	0	
Other	3	
Total	**23**	

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	
2.	No. of farmers registered in the portal	*75310*
3.	Mobile Apps developed by KVK	*Yes*
4.	Name of the App	*EtrainingKVKPuri*
5.	Language of the App	*English*
6.	Meant for crop/ livestock/ fishery/ others	*Others*
7.	No. of times downloaded	*400+*

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
21/09/21	Swachhata Pledge involving farmers
27/09/21	Display of Banner showing importance of cleaning & technologies available to use agricultural wastes
05/10/21	Digitization of office records /e-office
02/10/21	Awareness programme on SBA
8/10/21	Awareness programme on general cleanliness & crop residue management
08/10/21	Cleaning and beautification of surrounding areas of KVK campus
15/10/21	Basic maintenance and sanitation
16/10/21	Vermicomposting / Composting of biodegradable waste management
25/11/21	Awareness programme for importance of cleanliness cowshed & farm surrounding & its impact on disease control
23/12/21	Awareness campaign on no use of plastic

On the eve of Gandhi Jayanti

Cleaning of KVK Campus

Awareness Programmes on Swacchata

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office		
2. Basic maintenance		
3. Sanitation and SBM		
4. Cleaning and beautification of surrounding areas		
5. Vermicomposting/		

Composting of biodegradable waste management & other activities on generate of wealth for waste		
6. Used water for agriculture/ horticulture application		
7. Swachhta Awareness at local level		
8. Swachhta Workshops		
9. Swachhta Pledge		
10. Display and Banner		
11. Foster healthy competition		
12. Involvement of print and electronic media		
13. Involving the farmers, farm women 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		
16. Any other specific activity (in details)		
Total		

9.6. Observation of National Science day- NA

Date of Observation	Activities undertaken

9.7. Programme with SeemaSurakshaBal/ BSF - NA

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school- NA

Name and address of school	Date of visit to school	Areas covered	Teaching aids used

Give good quality 1-2 photograph(s)

9.9. Details of Swachhta Hi Surakshaprogramme(16-31.12.2021) organized -NA

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)

9.10. Details of MahilaKisan Divas programme(15.10.2021) organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Training Programme on "Role of Women in Agriculture"	8	25	2	
2	Photo Gallery Exhibition on "Nutrition & Income generation"		60		

Celebration of event Mahila Kisan Diwas

Training Programme on "Role of Women in Agriculture"

Photo Gallery Exhibition on "Nutrition & Income generation"

Honour to Mrs. Geetanjali Sahoo, OLM Master Trainer and Secretary LokashaktiBikas Kendra

9.11. 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	Mr Laxman Basttia	Suhagpurpur, Mangalpur, Mobile No-9178307327	Mushroom Cultivation & Spawn production
2	Mrs Renubala Dash	Tulasichaura, Puri Sadar, Mobile no-7978661280	Mushroom Cultivation (Paddy Straw & Oyester)
3	Sri Ajaya Rout	Naruda, Nimapada Mobile No-9337236949	varietial demonstration, disease pest diagnosis,
4	Sri Bhagirathi Barik	Dalabhanapur,Nimapada Mobile No-9238574297	Off season & Exotic vegetable production
5	Chandan khuntia	Gualigarada, Block-Satyabadi **Mobile No**: 6371550499	Vegetable production
6	Mrs. Rajalaxmi Mohanty	Kantunia , Nimapada	Poultry production

		Mobile No: 9861313681	
7	Sujit kumar nanda	Bharatipur , Block-pipili **Mobile No**: 9937619555	Fishery & Poultry
8	Radhasyam Biswal	Lokapala , Block-Puri sadar **Mobile No**: 8144391411	Greengram Groundnut and pointed gourd production
9	**Sri Sangram Kesari Patra**	**Resinga, PO – dandipur, Block - Nimapara Mobile No**: 7008268001	Paddy, Greengram, Poultry and Custom hiring Centre
10	**Mrs. Gauripriya Mahapatra**	Nuasahi Po Dipideuli,Nimapada **Mobile No**:6371699061	Paddy & pulses cultivation
11	**Sri. Dipak Swain**	Khandimangalpur, Block- Delanga **Mobile No**: 9777322803	Paddy & pulses
12	**Sri Susanta Kumar Jena**	Golapur, Block-Krushnaprasad **Mobile No**: 9938732757	Paddy ,Poultry and paddy straw mushroom
13	Sanatan Behera	Sanabhimdaspur , Block-Puri sadar **Mobile Number**: 9937717413	Poltery Dairy production
14	**Anu Maharana**	Kotaksanga, Block-Nimapara **Mobile Number**:8658683349	Dairy and Apiary
15	**Sri Pabitra Kumar Jena**	**Manapur, Block - Brahmagiri Mobile Number**: 6371975058	Shrimp culture ponds
16	**Sri Adhikari Nayak**	**Chadheikudi, PO – Gadaradunga, Block - Brahmagiri Mobile Number**: 9861457987	Shrimp culture ponds
17	**Sri Biswaranjan Deb**	**Gudiapokhari, P.O.– Raghugoradia, Block - Pipili Mobile Number**:	Fishery & Paddy & Coconut farming

		8144168505	

9.12. Revenue generation- NA

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.			
2.			
3.			

9.13. Resource Generation: NA

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created

9.14. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
29.11.21	ICAR	Functioning Data recording is going on by IMD officials as SMS (Agromet) post is vacant.

9.15. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Odisha	Puri	Varietal Evaluation	1	7	OFT on Deep water paddy varieties
		Varietal Demonstration	1	10	FLD on salt tolerant paddy variety: Luna Suvarna
		Natural resource conservation	1	30	Method demonstration of tractor drawn zero till seed drill for sowing of pulses
		Farm mechanization	1	10	Method demonstration of tractor drawn zero till seed drill for DSR in paddy

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

a) Year: 2021-22
b) Introduction / General Information:

	Title	Objective	Treatment details	Date of sowing

Experiment 1	On farm evaluation of crop response to Zinc fertilizer application in kharif paddy	Effect of Zinc in the yield of paddy	Farmer Var.(FV)-12 farmers	**T_1**- No Zinc **T_2**- soil application @25kg/ha **T_3** –0.5% foliar spray **T_4**- soil application @25kg/ha+0.5% foliar spray	DOS – 1st -30th July DOT- 2nd Aug -28th Aug
			DRR Dhan 49-12 farmers	**T_1**- No Zinc **T_2**- soil application @25kg/ha **T_3** –0.5% foliar spray **T_4**- soil application @25kg/ha+0.5% foliar spray	

Soil testing

Input distribution

Nursey field

Crop in harvesting stage

Crop cutting and harvesting

11. Celebration of World Food Day in 2021

Sl. No.	Activities undertaken	No. of VIPs attended	No. of participants		
			M	**F**	**T**
1	Seminar on significance & how to reduce food waste	-	32	28	60

			
Celebration of event world food day	Seminar on"significance& how to reduce food waste''	Photo Gallery Exhibition on theme "food for thought'' and IFS as alternative enterprise	Awareness programme for general cleanliness and Agri-waste management

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

Natural Resource Management

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

Crop Management

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

Livestock and fisheries

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

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

Capacity building

Thematic area	No of Courses	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T

Extension activities

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

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK

Sl. No.	Name of the Award	Year	Conferring Authority	Amount	Purpose
1	Best KVK	2021	OUAT	-	Outstanding work for the benefit of the farming community

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1	Best Progressive Farmer	Sanatan Behera	2021	OUAT	-	Integrated Farming
2	Best Progressive Farmer	Renubala Dash	2021	SCSP-ICAR	-	Mushroom
3	Best Progressive Farmer	Chandrasekhar Jena	2021	SCSP-ICAR	-	Vegetable
4	Best Progressive Farmer	Bhagirathi Barik	2021	SCSP-ICAR	-	Vegetable
5	Best	BaidyanathBaral	2021	SCSP-ICAR	-	Groundnut

	Progressive Farmer					
6	Best Progressive Farmer	Rajalaxmi Mohanty	2021	SCSP-ICAR	-	Poultry
7	Best Progressive Farmer	Sarbeswar Das	2021	SCSP-ICAR	-	Mechanization
8	Best Progressive Farmer	Santosh Das	2021	SCSP-ICAR	-	Fishery
9	Best Progressive Farmer	Ajaya Rout	2021	SCSP-ICAR	-	Vegetable
10	Best Progressive Farmer	Gauripriya Mahapatra	2021	SCSP-ICAR	-	IFS

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

Name of the component	**Brief activities under ARYA Project**
Mushroom production & value addition	15 Mushroom Production Units, 1 Mushroom Processing Unit for production of value-added products of mushroom and 1 Everything Mushroom Supply Centre for supply of cultivation inputs have been started
Backyard poultry	25 Backyard Poultry Units & 1 Chick Brooding Units have been developed
Apiary	15 APIARY Units & 1 Single window Bee Solution for Supply of inputs & services have been begun
Fish production with fish seed	15 Fish Production Units & 1one stop aqua shop for supply of all aquaculture inputs & services are developed with project support




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)

Sl. No.	Name of the organization / Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator

16. Integrated Farming System (IFS)
Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
1	Fingerling production unit	0.2	144800 no	64027	98192	32	22
2	Mushroom production unit	40.13sq.mt	2.419q	14140	18450	43	18
3	Poly House	41.8 sq.mt.	44514 nos	51555	72267	10	12
4	Banana plantation	60nos	858 fingers	2400	3842	14	8
5	Apiary Unit	09 Boxes	6kg 4 colony	1500	6400	6	4
6	Vermicompost Unit	8.17 sq.mt	8.29 vermicompost 5kg culture	4700	10700	8	6

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	Demonstration of Integrated management of Stem borer in Summer Paddy	Nursery treatment with cartap hydrochloride 4G@ 0.8 kg perhactare, + twice spraying of neem oil 3000ppm @3ml/lit and Indoxacarb 18.5SL@1ml/litre at 50DAT at 15 days interval + twice releaseof T. chilonis @ 50,000/ha 7days after each spraying.	37600	8	

2	Weed Management in Paddy	Pre émergence application of herbicide (Bensulfuronmethyl 0.6%+ Pretilachlor 6.0%) @ 10 kg/ha at 3 DAT and post emergence application of penoxsulan 21.7SC @ 20g ai/ha at 15 DAT	38420	32	
3	Java Punti, *Puntius gonionotus as intercrop* in composite fish culture	Incorporation of Java Punti with IMC i.e. stocking of Catla: Rohu: Mrigal: Java Punti::3:4:3:2 @ 10000 nos/ha.	278000	12	
4	Demonstration of Marigold	Us41.8sq.mt.e of Var. Bidhan Marigold-2	75700	6	
5	Demonstration of Drip irrigation with mulching in Pointed gourd	Use of 50 micron mulch film with drip irrigation (in line drip -discharge 2lph) operating for 70-80 minutes in winter and 80-155 minutes in summer inalternate days.	150398	5	
6	Demonstration on backyard poultry breed Kadaknath	Rearing of poultry birds in semi-intensive system	420/bird	16	

18. a) Information on **ASCI** Skill Development Training Programme, if undertaken during 2021

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 SIP Portal (Y/N)	Fund utilized for the training (Rs.)
				SC		ST		Other			
				M	F	M	F	M	F		

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2021

Thematic area of training	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	

19. 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**

20. Specific programmes for the period

i. Achievements in SCSP (Scheduled Caste Sub-Plan) (Specific for SC farmers only)

Sl. No.	**Activity**	**No. of SC farmers/ stakeholders**		
		Male	**Female**	**Total**
1	On- farm trials			
2	Frontline demonstrations	106	44	150
3	No. of Training programmes for farmers			6
4	Farmers trained	120	60	180
5	No. of Training programmes for Extension Personnel	-	-	-
6	Extension Personnel trained	-	-	-
7	Participants in extension activities	278	122	400
8	Distribution of seed (Mushroom Spawn)	35 (3748Spawn)	15 (552 spawn)	50
9	Planting material distributed	52(18078)	18(10322)	70
10	Livestock strains and fingerlings distributed (Poultry chicks + Duckery+Fingerlings)	48	32	80
11	Soil, water, plant, manures samples tested	20	17	37
12	Mobile agro-advisory provided to farmers	1562	1312	2874
13	Other (Please specify)	-	-	-

ii. Capacity building of farmers through training on Profitable Dairy Farming and Livestock Management (In case your KVK has Scientist (Animal/Veterinary Science))

Sl. No.	**Title of the training**	**Date/ Duration**	**No. of Participants**			
			SC	**ST**	**Other**	**Total**

			M	**F**	**M**	**F**	**M**	**F**	**M**	**F**

iii. Status of Natural Farming

Crop/ Commodity involved in Natural farming	**Area covered under such farming (ha)**	**No. of farmers practicing Natural farming at present**	**Details of individual farmers (Name and Contact No.)**	**Organic component/ inputs used for such farming**

iv. Farmer Producer Organizations

a) General information

Sl. No.	**Name & Address of FPO**	**Name &Contact No. of Head of FPO**	**No. of farmer members of FPO**			**Crop/ Enterprise dealt with by FPO**	**Kind of support provided by KVK in running/ starting of FPO (in brief)**
			M	**F**	**T**		
1	Baliharachandi FPC, Palank, Brahmagiri, 752011	Bhaskar 9437039003	418	90	508	Paddy, casuarina, cashew, coconut	
2	Bababhimeswar FPC, Bedhasundar, Brahmagiri, 752011	SwadhinkeshariSamantray 8917522515	302	221	527	Paddy, casuarina, cashew, coconut	
3	Utareswar FPC, Nimapada, Kakatpur	Kapil Nayak 9692786608	320	225	545	Paddy, betel vine, pisciculture	
4	Gopaljiu FPC, Bairipur, Gop	Naresh Dube 8093432618	295	110	405	Paddy, betel vine, pisciculture	
5	SatyabadiFPC,Pattnaikia	Sandhyarani Mohanty 9040852997					
6	Parikalpana FPC, Pandaswar, siruli, 752012, Purisadar, parikalpanalimited.info@gmail.com	Rama Chandra sahoo 9337877903	205	5	210	Paddy seed, fertilizer,pesticide	
7	Punarva FPC, Astaranga	Sabita Mohanty 9937578426	-	500	500	Paddy, betelvine, mushroom, fishery, spices, value added products, paper plate	
8	Sangathita FPC, dhumalo, Gop752107	Jharanapradhan 8018296002		407	407	Coir products, spices, mushroom	
9	Navagramin FPC,	Sadasib Swain	165	7	172	Paddy seed,	

	Basantapada, satyabadi, 752013, navagramin.fpc@gmail.com	8144716997				fertilizer, pesticide	
10	Nabachintan, Baranga, Nimapada	Jayadev Mohapatra 9861733041			365	Paddy, pulses, betelvine, vegetable,	
11	Sarvodaya FPC, Nimapada	Nakula 9938623355	961	46	1007	Paddy, sesamum, pulses, vegetable, mushroom	
12	AAIONA Agro FPC, Gadabadaput	S K Roy 9518598890	190	10	200	Vegetable, mushroom	
13	LOPE, Nimapada	Purna Chandra sahoo 6371699061	22	5	27	Mushroom	
14	GopHoneyfed, Gop	Prasanta swain 7008551932	10		10	Paddy	
15	KrushakSathi FPC, Nimapada	Ranjit 8093880881					
16	Hitech women's producer group			631	631		

b) Financial information

Name & Address of FPO	**Date of Registration**	**FPO Registered (Y/N)**	**Application Submitted for Registration (Y/N)**	**No. of share-holding farmer members**	**Equity Amount Collected (Rs.)**	**Bank Account Opened (Y/N)**	**Board Reconstituted after attaining minimum membership (Y/N)**
Baliharachandi FPC, Palank, Brahmagiri	8.1.2020	Y	**Y**	508	598000	Y	Y
Bababhimeswar FPC, Bedhasundar, Brahmagiri	8.1.2020	Y	**Y**	527	617000	Y	Y
Utareswar FPC, Jhanjalia, Gop, 752107	7.31.2020	Y	**Y**	545	545000	Y	Y
Gopaljiu FPC, Bairipur, Gop	30.7.20	Y	**Y**	405	410000	Y	Y
SatyabadiFPC,Pattnaikia							
Parikalpana FPC, Pandaswar, Purisadar	31.3.21	Y	**Y**	210	320000	Y ICICI bank, Sakhigopal	Y
PunarvaFPC,Astaranga	17.4.20	Y	**Y**	500	100000	UBI, Astaranga	Y
Sangathita FPC, Gop							
Navagramin	15.5.21	Y	**Y**	172	289200	Y	Y

FPC,						ICICI bank, Sakhigopal	
Nabachintan, Baranga, Nimapada	29.4.21	Y	**Y**	365	40000	BOI, balanga	Y
Sarvodaya FPC, Nimapada	16.3.21	Y	**Y**	1007	314000	BOI, Balanga	Y
AAIONA Agro FPC, plot no 1730/2776, Gadabadaput, kanas, 752017	22.8.2020	Y	**Y**	200	100000	Not opened	Y
LOPE, Nimapada	26.11.2020	Y	**Y**	27	100000	BOI, Balanga	Y
GopHoneyfed, Gop	3.1.22	Y		10	50000	Not opened	Y
Hitech women's producer group	N	N	**N**	631	126,200	Not opened	N

v. Nutri-gardens (Village wise)

Sl. No.	**Name of village**	**Name of crop**	**Area under the crop (acre)**	**No. of farmers**			**Whether bio-fortified variety of crop used (If yes, mention variety & crop)**
				M	**F**	**T**	
1	Dhumal	Cauliflower,cabbage, Brinjal, Green leafy Vegetables,Papaya,Drumstick	1.0		4		
2	Jeepur	Cauliflower,cabbage, Brinjal, Green leafy Vegetables,Beans,Cowpea,Papaya,Drumstick	2.0		10		
3	Kahnapur	Marigold,Chilli, Brinjal, Green leafy Vegetables,Beans,Cowpea,Papaya,Drumstick	0.5		2		

vi. Progress report on scientific beekeeping (2020-21 & 2021-22)

Name of KVK	Total budget allotted (Rs.)	Total budget utilized (Rs.)	Physical Training organized				Online Training organized			
			No. of training	No. of total participants			No. of training	No. of total participants		
				M	F	T		M	F	T
Puri	4,60,575	3,30,500	02	**46**	**4**	**50**	**Nil**			

21. 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	PCRA Workshop	21.09.21 28.09.21 05.10.21 08.10.21	KVK Campus	Awareness	120

22. Good quality action photographs (with proper caption) of overall achievements of KVK during the year (best 10)

Trainings conducted during Covid-19 Situation





Other Activities

Extension Activities



Celebration of 60th OUAT FoundationDay at KVK Campus

Awarded Best KVK on 60th OUAT Foundation Day

Seminar on nutritional status of farm family



Planting materials & Vegetable seed kit distribution in International year of millet live telecast

Celebration of Mahila Kisan Diwas


DFI Workshop **Exhibition in Fermers' Fair** **coconut entrepreneur's meet**