

## **PROFORMA FOR ANNUAL REPORT 2017-18 (April 2017 to March 2018)**

### **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	<a href="mailto:kvkpuri.ouat@gmail.com">kvkpuri.ouat@gmail.com</a> , <a href="mailto:purikvk@yahoo.co.in">purikvk@yahoo.co.in</a>

#### 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 the Senior Scientist and Head with phone & mobile No.

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr.Sanjay Kumar Mohanty	-	9437368659	<a href="mailto:sanjay.mohanty139@gmail.com">sanjay.mohanty139@gmail.com</a>

#### 1.4. Year of sanction of KVK: 2006

1.5. Staff Position (as on 1<sup>st</sup> April, 2018)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/OBC/Others)
1	Programme Coordinator	Dr.Sanjay Kumar Mohanty	Senior Scientist & Head	Entomology	15600-39100	15.09.17	Regular	Others
2	Subject Matter Specialist	Vacant					Regular	Others
3	Subject Matter Specialist	Sri Samarendra Barala	Scientist(PP)	Plant Protection	15600-39100	19.01.11	Regular	Others
4	Subject Matter Specialist	Mrs.Jyotirmayee Udgata	Scientist( H.Sc.)	Home Science	15600-39100	19.6.16	Regular	Others
5	Subject Matter Specialist	Dr.Sangram Paramaguru	Scientist( Agril. Extn)	Agril. Extn.	15600-39100	1.5.11	Regular	Others
6	Subject Matter Specialist	Dr.Sidhartha Ranabijuli	Scientist(A.Sc.)	Animal Science	15600-39100	12.12.12	Regular	Others
7	Subject Matter Specialist	Sri Sukumar Taria	Scientist( Plant Sc)	Plant physiology	15600-39100	15.06.2015	Regular	SC
8	Programme Assistant	Sri Pradipta Majhi	Prog.Asst(S.Sc)	Soil Sc.	9300-34800	28.12.15	Regular	Others
9	Computer Programmer	Mrs Puspanjali Mishra	Prog.Asst(Comp.)	Computer	9300-34800	17.08.15	Regular	Others
10	Farm Manager	Mrs Neeva Mohapatra	Farm Manager	Plant physiology	9300-34800	29.12.15	Regular	Others
11	Accountant / Superintendent	Sri Bhagirathi Sahoo	Section Officer	-	9300-34800	12.07.16	Regular	Others
12	Stenographer	Sri Bibhu prasad Dash	Steno cum computer operartor	-	5200-20200	1.8.12	Regular	Others
13.	Driver	Sri Nirakar Pradhan	Driver cum Mechanic		5200-20200	1.09.15	Regular	Others
14.	Driver	Sri Jitendra Pradhan	Driver cum Mechanic		5200-20200	12.08.16	Regular	Others
15.	Supporting staff	Sri Babaji Sethi	Peon cum Watchman		4440-7440	7.8.08	Regular	SC
16.	Supporting staff	Sri Brajabandhu Sahani	Peon cum Watchman		4440-7440	8.8.08	Regular	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	Pond 0.32 Road & unutilized 2.61
	<b>Total</b>	<b>16</b>

*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		√						ICAR
2.	Farmers Hostel	√							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 godown	Nil							
9.	Dairy unit				√				ICAR
10.	Poultry unit				√				ICAR
11.	Goatary unit	Nil							
12.	Mushroom Lab	Nil							

13.	Mushroom production unit	Nil							
14.	Shade house	Nil							
15.	Soil test Lab	Mridaparishyak Mini Kit							ICAR
16	Others, Please Specify								

\* 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	211937	Running
Tractor & Trolley-OR02AN5687/5688	2007	500000	1196 (hr)	Running
Bike (Passion Pro)-OR13F2157	2010	48000	35620	Running

#### 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	ICAR
Mridaparishyak Mini Kit	2016	86000	Working	ICAR
b. Farm machinery				
Brush cutter	2016	25000	Working	ICAR
Power tiller	2016	155500	Working	ICAR
Power reaper	2016	116134	Working	ICAR
Diesel pumpset	2016	23000	Working	ICAR

Axial flow thresher	2016	14100	Working	ICAR
Zero till drill machine (3 row)	2012	20000	Working	ICAR
Zero till seed cum fertilizer drill	2012	47500	Working	ICAR
c.AV Aids				
Computer (Desktop 3no)	2010,2012,2018			
Laptop (2no)	2006		Working (No Battery backup)	ICAR
	2018		Working	
LCD Projector (2no)	2006		Repairable	ICAR
	2018		Working	
Projector Screen (2No)	2006		Working	ICAR
	2018			
Sound system 1no	2006		Working	ICAR

## 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

#### 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.	12.12.17	30	Documentation to be made on adoption and spread of technology which has been implemented by KVK	Adoption and spread of various intervention has been documented.	
			Importance to be given for pulse crops popularization in the district	<ul style="list-style-type: none"> <li>➤ Blackgram (Naha biri) production was taken up in Kharif-2017 in KVK farm</li> <li>➤ Arhar <i>var.</i> LRG-42 bund plantation was taken up to woo visiting farmers for adoption in all over the district.</li> <li>➤ The Promising Blackgram Var. - PU-35 has been proposed to be cultivated in under cluster demonstration in 30 ha land in</li> </ul>	

				<p>Rabi 2017-18.</p> <ul style="list-style-type: none"> <li>➤ YMV resistance green gram variety IPM 02-03 has been planned under cluster demonstration in 30 ha area.</li> <li>➤ OFT has been conducted on mechanical storage of pulses.</li> </ul>	
			<p>Promotion of Soil test based and climate resilient based activities</p>	<p><u>Soil and water test based activities</u></p> <ul style="list-style-type: none"> <li>a. 200 no. of grid soil samples was tested involving 1135 beneficiaries and soil health cards have been distributed thereof</li> <li>b. 5 quintals Dhanicha seed was produced and distributed among farmers.</li> <li>c. Demonstration of LCC was conducted.</li> </ul> <p><u>Climate resilient based activities</u></p> <ul style="list-style-type: none"> <li>a. Trial on flood tolerant paddy var. Bina-11 and Swarna sub-1 was conducted in KVK farm.</li> <li>b. Offseason fish seed production was done in KVK farm.</li> <li>c. OFT on winter paddy straw mushroom was conducted var. <i>V. bombyssina</i>.</li> <li>d. Demonstration of mushroom strains OSM-11 and OSM-12 thermophilic strain was conducted.</li> <li>e. Three salinity tolerant paddy - Lunishree, Luna Sampad, Luna Subarana was assessed.</li> <li>f. Demonstration of Paddy variety Swarna Sub-1 has been conducted in flash flood affected areas.</li> <li>g. Demonstration of alternating</li> </ul>	

				wetting and drying methodology in paddy was demonstrated to increase WUE in Brahmagiri block.	
			Convergence of activities with line department and district administration	<ul style="list-style-type: none"> <li>➤ RE meeting is being conducted in 3<sup>rd</sup> Tuesday of each month involving all the line departments, bankers, NGOs to develop 5 modules villages through convergence.</li> <li>➤ KVK scientists are sharing latest tech. knowledge in workshop being organized by state line departments.</li> <li>➤ Monitoring of BGREI, ATMA, NFSM, NHM, Potato mission, Nursery verification activities in collaboration with the dept. of agriculture. And horticulture.</li> <li>➤ KVK scientists are participating as resource person to various developmental programmes of state line department and NGOs. <ul style="list-style-type: none"> <li>• Organizing animal Health Camps in convergence with ARD.</li> <li>• Celebration of PMFBY , World Soil Day and farmers fair in association with line dept. and allied sectors.</li> <li>• District administration-SHG Skill training, Pradhanmantri Ujala Yojana, Gramodaya se Bharat Uday (Palli sabha).</li> <li>• ICAR-MGMG, Field day</li> </ul> </li> </ul>	
			Development of IFS and demo unit in the KVK campus	<ul style="list-style-type: none"> <li>➤ Established pond based IFS and different demo units in KVK farm</li> </ul>	



				<p>Nursery pond, fish and Ornamental fish  Vermicomposting ,  Mushroom production  Vegetable nursery  Medicinal garden  Azolla, Apiary  Ridge and furrow method of cultivation  Fodder</p>	
			<p>Post harvest and Value addition activities on vegetables and fisheries</p>	<ul style="list-style-type: none"> <li>➤ Skill development training on fruits and vegetables was conducted in association with DSMS, DRDA and Food &amp; Nutrition Board, GOI, MoWCD., Bhubaneswar.</li> <li>➤ Dry fish production from local fish has been conducted in KVK campus.</li> </ul>	
			<p>Celebration of KVK Foundation day to promote progressive farmers of the district</p>	<ul style="list-style-type: none"> <li>➤ KVK Foundation day was celebrated first time at KVK campus on dt.06.07.2017.</li> <li>➤ The progressive farmers from different blocks participated and shared their views in the meeting.</li> </ul>	
			<p>Consultation with concerned experts like project leaders, departmental heads and scientists of OUAT before finalizing treatments for OFT.</p>	<ul style="list-style-type: none"> <li>➤ OFTs have been formulated in consultation with concerned department head followed by 3 tier presentation for modification.</li> </ul>	
			<p>Promotion of YMV resistant pulse varieties instead of promoting wilt management practices.</p>	<ul style="list-style-type: none"> <li>➤ Screening of 146 varieties local races of Greengram and 46 blackgram varieties have been conducted.</li> </ul>	
			<p>To give emphasis on floriculture and planting material production.</p>	<ul style="list-style-type: none"> <li>➤ Vocational training on floriculture and FLD on marigold has been conducted.</li> </ul>	

			To conduct programme on value addition of coconut.	➤ Vocational training conducted	
			To promote salinity tolerant new paddy varieties in Astarang, Gop & Krushna Prasad blocks of the district.	➤ OFT saline tolerant new paddy variety- Lunishree, Luna Sampad, Luna Subarna	
			Selection of awardee farmer to be done by a committee involving line departments.	➤ Mr. Krushna das was awarded in OUAT foundation day.	

\* *Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

**PROCEEDINGS OF THE 13<sup>th</sup> SCIENTIFIC ADVISORY COMMITTEE**  
**MEETING OF KVK, PURI**

The 13<sup>th</sup> SAC meeting of KVK Puri was organized on dt.12.12.2017 at KVK campus.

Dr. V. P. Chahal, ADG (AE), ICAR, New Delhi graced the occasion as chief guest. The meeting was chaired by Dr. M.P.Nayak, JDE, OUAT, Bhubaneswar. The meeting was attended by Dr P.P.Pal, Principal Scientist, ICAR, ATARI, Kolkata, Prof. M. Mishra, ADR, RRTTS, Coastal Zone, Bhubaneswar, DDA & P.D. ATMA, Puri and all the line department officials, Representatives from KVK, CIFA and KVK Jagatsinghpur along with farmers, farm women, NGO representatives, media persons and others. After a brief presentation on action taken report of last SAC meeting as well as achievements of the KVK during last one year by Dr.S.K.Mohanty, Senior Scientist and Head, KVK, Puri, the SAC members actively participated in the discussion on various issues of agriculture development. During the course of discussion, the issues like Boro rice cultivation, YMV tolerant pulse varieties, seed availability of salinity tolerant rice varieties, entrepreneurship development in mushroom cultivation and apiary, convergence among all stakeholders, marketing strategy, collective farming and formation of FPO etc. came up for immediate attention of the policy makers of the district and the SAU. Dr. Chahal highlighted various ongoing schemes of GOI, like doubling farmers' income, skill development training etc. He highly appreciated the Convergence activities of district line departments and KVK. The members and dignitaries appreciated the efforts of KVK, Puri in developing farming community through agriculture and allied means. However infrastructure status, as felt by the members needs to be improved at the earliest for effective discharge of duties by the KVK, Scientists. The meeting was ended with votes of thanks to all the delegates and members of the SAC.

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

The Senior Scientist and Head, KVK, Puri presented the proceedings and action taken of 11<sup>th</sup> SAC meeting in brief.

**XII<sup>th</sup> Scientific Advisory Committee Meeting held on 03.12.2016**

Recommendations /Suggestions	Action Taken
<b>Documentation to be made on adoption and spread of technology which has been implemented by KVK</b>	Adoption and spread of various intervention has been documented.
<b>Importance to be given for pulse crops popularization in the district</b>	<ul style="list-style-type: none"> <li>➤ Blackgram (Naha biri) production was taken up in Kharif-2017 in KVK farm</li> <li>➤ Arhar <i>var.</i> LRG-42 bund plantation was taken up to woo visiting farmers for adoption in all over the district.</li> <li>➤ The Promising Blackgram Var. - PU-35 has been proposed to be cultivated in under cluster demonstration in 30 ha land in Rabi 2017-18.</li> <li>➤ YMV resistance green gram variety IPM 02-03 has been planned under cluster demonstration in 30 ha area.</li> <li>➤ OFT has been conducted on mechanical storage of pulses.</li> </ul>

<p>Promotion of Soil test based and climate resilient based activities</p>	<p><u>Soil and water test based activities</u></p> <p>d. 200 no. of grid soil samples was tested involving 1135 beneficiaries and soil health cards have been distributed thereof</p> <p>e. 5 quintals Dhanicha seed was produced and distributed among farmers.</p> <p>f. Demonstration of LCC was conducted.</p> <p><u>Climate resilient based activities</u></p> <p>h. Trial on flood tolerant paddy var. Bina-11 and Swarna sub-1 was conducted in KVK farm.</p> <p>i. Offseason fish seed production was done in KVK farm.</p> <p>j. OFT on winter paddy straw mushroom was conducted var. <i>V. bombyssina</i>.</p> <p>k. Demonstration of mushroom strains OSM-11 and OSM-12 thermophilic strain was conducted.</p> <p>l. Three salinity tolerant paddy - Lunishree, Luna Sampad, Luna Subarana was assessed.</p> <p>m. Demonstration of Paddy variety Swarna Sub-1 has been conducted in flash flood affected areas.</p> <p>n. Demonstration of alternating wetting and drying methodology in paddy was demonstrated to increase WUE in Brahmagiri block.</p>
<p>Convergence of activities with line department and district administration</p>	<ul style="list-style-type: none"> <li>➤ RE meeting is being conducted in 3<sup>rd</sup> Tuesday of each month involving all the line departments, bankers, NGOs to develop 5 modules villages through convergence.</li> <li>➤ KVK scientists are sharing latest tech. knowledge in workshop being organized by state line departments.</li> <li>➤ Monitoring of BGREI, ATMA, NFSM, NHM, Potato mission, Nursery verification activities in collaboration with the dept. of agriculture. And horticulture.</li> <li>➤ KVK scientists are participating as resource person to various developmental programmes of state line department and NGOs.</li> <li>• Organizing animal Health Camps in convergence with ARD.</li> <li>• Celebration of PMFBY , World Soil Day and farmers fair in association with line dept. and allied sectors.</li> <li>• District administration-SHG Skill training, Pradhanmantri Ujala Yojana, Gramodaya se Bharat Uday (Palli sabha).</li> <li>• ICAR-MGMG, Field day</li> </ul>

Development of IFS and demo unit in the KVK campus	<ul style="list-style-type: none"> <li>➤ Established pond based IFS and different demo units in KVK farm</li> <li>Nursery pond, fish and Ornamental fish</li> <li>Vermicomposting ,</li> <li>Mushroom production</li> <li>Vegetable nursery</li> <li>Medicinal garden</li> <li>Azolla, Apiary</li> <li>Ridge and furrow method of cultivation</li> <li>Fodder</li> </ul>
Post harvest and Value addition activities on vegetables and fisheries	<ul style="list-style-type: none"> <li>➤ Skill development training on fruits and vegetables was conducted in association with DSMS, DRDA and Food &amp; Nutrition Board, GOI, MoWCD., Bhubaneswar.</li> <li>➤ Dry fish production from local fish has been conducted in KVK campus.</li> </ul>
Celebration of KVK Foundation day to promote progressive farmers of the district	<ul style="list-style-type: none"> <li>➤ KVK Foundation day was celebrated first time at KVK campus on dt.06.07.2017.</li> <li>➤ The progressive farmers from different blocks participated and shared their views in the meeting.</li> </ul>
Consultation with concerned experts like project leaders, departmental heads and scientists of OUAT before finalizing treatments for OFT.	<ul style="list-style-type: none"> <li>➤ OFTs have been formulated in consultation with concerned department head followed by 3 tier presentation for modification.</li> </ul>
Promotion of YMV resistant pulse varieties instead of promoting wilt management practices.	<ul style="list-style-type: none"> <li>➤ Screening of 146 varieties local races of Greengram and 46 blackgram varieties have been conducted.</li> </ul>
To give emphasis on floriculture and planting material production.	<ul style="list-style-type: none"> <li>➤ Vocational training on floriculture and FLD on marigold has been conducted.</li> </ul>
To conduct programme on value addition of coconut.	<ul style="list-style-type: none"> <li>➤ Vocational training conducted</li> </ul>
To promote salinity tolerant new paddy varieties in Astarang, Gop & Krushna Prasad blocks of the district.	<ul style="list-style-type: none"> <li>➤ OFT saline tolerant new paddy variety- Lunishree, Luna Sampad, Luna Subarna</li> </ul>
Selection of awardee farmer to be done by a committee involving line departments.	<ul style="list-style-type: none"> <li>➤ Mr. Krushna das was awarded in OUAT foundation day.</li> </ul>

**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 2016-17 and Kharif 2017 including mass dissemination by KMA, Voice message, message in newspaper etc. He presented about promotion of different progressive farmers in different forum, soil health card activities and farm activities.

**Agenda 3: Action Plan for 2017-18.**

Dr. Sanjay Kumar Mohanty presented the detailed action plan for the year 2017-18 during Rabi season.

Then the chairman requested the SAC members and farmer/farmwomen representatives for their suggestions and pertinent solutions to the prevalent problems in the district in convergence mode. The suggestions of SAC members are as follows:-

**Asst. Director General, ICAR, New Delhi**

- Emphasis on Convergence of all developmental line departments
- Development of case studies of successful farmers/farmwomen with process documentation
- Organizing long duration skill development trainings for farmers/farmwomen
- Documentation and validation of farmers' innovations
- Developing entrepreneurs with bank linkage
- Stress on formation of organic farmers' company registered under company act
- Highly appreciated the Convergence activities of district line departments and KVK. Also appreciated the farmwomen involvement in entrepreneurial activities like mushroom and Honey Bee and advised to help them in finding quality mushroom spawns.

**Principal Scientist (Agril. Extn.) ATARI, Kolkata**

- Emphasis on entrepreneurship development.
- Stress should be given on market led production
- Appreciated the convergence activities

**Joint Director Extension, Information, DEE, OUAT -**

- **Bridge the gap between technology generation centre and end users**
- **To evaluate vermicomposting with coir pith , IFS module ,IPM in brinjal, IPM in chilli, IPM in okra, yield performance of mushroom in threshed paddy straw, sunken and raised bed module for water logged areas, cut flowers and foliages in green shade net, YMV tolerant green gram varieties, groundnut varieties through STER project supported by ATMA in KVK campus.**
- **To develop good exchange mechanism of Rabi & Kharif groundnut for seed availability during Kharif**
- **To assess the yield performance of mushroom in threshed paddy straw in farmers field**

**Associate Director of Research, OUAT, RRTTS, Coastal Zone, BBSR**

- **Formation of farmers co operative.**

**Deputy Director Agriculture, Puri**

- **Assessment of different INM and IPM practices in Boro Rice in Kanasa and Brahmagiri block**
- **Assessment of BPH & Mite resistant varieties of paddy**
- **Assessment of YMV tolerant greengram varieties**

**Sub Divisional Veterinary Officer, Puri**

- Stress on fodder cultivation
- Awareness programme on mastitis management in cattle

**Farmer Representatives-**

Farmers, farmwomen representatives Mr. Dilip Baral, Mr. Madaan Mohan Dalei ,Mrs. Laxmi Sethi and Mrs.Ranjana Biswal shared their experiences on different farm activities and demanded facilities like

- Marketing linkage
- Availability of whole paddy straw for mushroom
- Project proposal writing
- Availability of fish fingerling
- Disease management of fish during winter

Chairman thanked all the members for their participation, fruitful discussions. The members and dignitaries appreciated the efforts of KVK, Puri in developing farming community through agriculture and allied means. However infrastructure status, as felt by the members needs to be improved at the earliest for effective discharge of duties by the KVK, Scientists.

During the day, eight number of publications in vernacular were released by the dignitaries for the benefit of the common farmers. The important publications were Honey bee rearing, Banana cultivation, nutrient deficiency symptoms and their management in different crops etc.

**The recommendations of SAC are as follows:**

- Emphasis to be on Convergence of all developmental line departments
- Development of case studies of successful farmers/farmwomen with process documentation
- Organizing long duration skill development trainings for farmers/farmwomen
- Documentation and validation of farmers' innovations
- Developing entrepreneurs with bank linkage
- **To evaluate vermicomposting with coir pith , IFS module ,IPM in brinjal, IPM in chilli, IPM in okra, yield performance of mushroom in threshed paddy straw, sunken and raised bed module for water logged areas, cut flowers and foliage in green shade net, YMV tolerant green gram varieties, groundnut varieties through STER project supported by ATMA in KVK campus.**
- **To develop good exchange mechanism of Rabi & Kharif groundnut for seed availability during Kharif**
- **To assess the yield performance of mushroom in threshed paddy straw in farmers field**
- **Assessment of different INM and IPM practices in Boro Rice in Kanasa and Brahmagiri block**
- **Assessment of BPH & Mite resistant varieties of paddy**
- **Assessment of YMV tolerant greengram varieties**
- Stress on fodder cultivation
- Awareness programme on mastitis management in cattle

The meeting ended at 2.30 PM with vote of thanks by Dr..Jyotirmayee Udgate, Scientist (H.Sc.).

**Dr. Sanjay Kumar Mohanty**  
Senior Scientist & Head, KVK, Puri  
Member Secretary, SAC

Dean, Extension Education, OUAT  
Chairman, SAC, KVK, Puri

## Annexure

## List of participants with address and status in the meeting

Sl No.	Name of the participant	Designation with address	Status
1	Prof. P.N.Jagadev	Dean, Extension Education, OUAT, BBSR	Chairman
2	Prof. Pravat Sarangi	ADR, RRTTS, Coastal Zone, Bhubaneswar	Member
3	Mr. .S.Chandrasekhar Rao	Deputy Director of Agriculture, Puri	Member
4	Mr. Nabakishore Tad	Deputy Director of Horticulture, Puri	Member
5	Mr. Sarat Chandra Sahoo	S.D.O, Irrigation Dept. Sakhigopala	Member
6	Mr. Bibhuti Bh. Harichndan	Soil conservation officer, Puri	Member
7	Mr. Manoranjan Mahapatra	Fishery Officer, Puri	Member
8	Mrs. Sandhyarani Das	District social welfare officer, Puri	Member
9.	Sri Kailash Chandra Sahoo	Progressive Farmer	Member
10	Sri Bhagirathi Barik	Progressive Farmer	Member
11	Mrs. Ranji Biswal	Farm Women	Member
12	Mrs. Jyotirmayee Udgata	Scientist, Home Science	Nominated Member
13	Mrs. Binapani Mishra	Secretary, SWAD, NGO	Invited Member
14	Dr. Anil Kumar Swain	Senior Scientist and Head, KVK, Puri	Member Secretary
15	Sri Samarendra Baral	Scientist (Plant Protection),KVK, Puri	Invitee
16	Dr. Sangram Paramaguru	Scientist (Ag. Extension), KVK, Puri	Invitee
17	Dr. Siddharth Ranabijui	Scientist (Animal Science),KVK, Puri	Invitee
18	Sri Sukumar Taria	Scientist (Plant Science),KVK, Puri	Invitee
19	Sri Pradipta Majhi	Programme Assistant(Soil Sc.)KVK, Puri	Invitee
20	Mrs. Puspanjali Mishra	Programme Assistant(Computer)	Invitee
21	Mrs. Neeva Mahapatra	Farm Manager, KVK, Puri	Invitee
22	Mr. Sholesh Kumar Das	BTM, FIAC, Satyabadi	Invitee
23	Bibhuti Bhusan Pradhan	A.T.M, Satyabadi	Invitee

## 2.a. District level data on agriculture, livestock and farming situation (2017-18)

Sl.	Item	Information
-----	------	-------------



no.		
1	Major Farming system/enterprise	Paddy ,Pulses, oilseeds, vegetable(Okra, Brinjal, Tomato, Patato), Fruit (Coconut, Mango, Banana) Betelvine, Dairy, Fishery( inland , Marine), Poultry, goat
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	Paddy- 26.88 Pulse- 2.50 Oilseed- 18.78 Vegetables-85.29
6	Mean yearly temperature, rainfall, humidity of the district	
7	Production of major livestock products like milk, egg, meat etc.	Milk- 116.5 TMT Meat- (Poultry) -3.046 TMT Meat (Sheep,Goat)- 2.235 TMT Egg – 17.09 Million

Note: Please give recent data only

## 2.b. Details of operational area / villages (2017-18)

Sl. No.	Name of Taluk	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	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, 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	<ul style="list-style-type: none"> <li>• Paddy -HYV, aromatic rice, IDM, IPM, INM, IWM</li> <li>• Pulse - HYV, IDM, IPM, INM, IWM, soil management, use of bioagents, chemicals</li> <li>• Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management</li> <li>• Coconut- INM, Pest management</li> <li>• Banana- HYV tissue culture, IDM, IPM, INM, IWM</li> <li>• Integrated fish farming and fish health management</li> <li>• Feeding and Health management of dairy animals and small ruminants</li> <li>• Profitable dairy and goat farming</li> <li>• Commercial and backyard poultry farming</li> <li>• Commercial floriculture and organic farming</li> <li>• Farm mechanization for timely operation and save high Labour cost</li> <li>• Value addition to fruits, vegetables, milk and low cost marine fish and prawn</li> <li>• Profitable poultry and duckery</li> <li>• Fish seed production in small ponds</li> <li>• Fish production in low saline coastal zone</li> <li>• Aquatic weed infested pond</li> <li>• Inland Water Bodies for multiple production</li> <li>• Resources for multiple cropping</li> <li>• Coconut orchard for intercrop</li> <li>• Promotion of coir industry</li> <li>• Promotion of agro eco tourism</li> <li>• Promotion of brackish water prawn export</li> <li>• Organic farming</li> </ul>

		Pipili	Adangapada, Dandamukundapur, Matiapada, Dumukipur, Saraswatipur, Kumareswar	<ol style="list-style-type: none"> <li>1. Paddy</li> <li>2. Pulse</li> <li>3. Vegetable</li> <li>4. Coconut</li> <li>5. Banana</li> <li>6. Dairy</li> <li>7. Poultry</li> <li>8. Goat</li> <li>9. Inland fishery</li> <li>10. Mushroom</li> <li>11. Apiary</li> </ol>	<ol style="list-style-type: none"> <li>1. Low yield, disease, pest, weeds, submergence/ flood tolerant</li> <li>2. Low yield, disease pest, lack of INM, IDM, IPM, Biopesticide/agents, soil salinity, indiscriminate use of chemicals</li> <li>3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest &amp; weeds</li> <li>4. Lack of INM and management</li> <li>5. Low yield, Sigatoka, Panama wilt, fruit &amp; shoot borer</li> <li>6. Lack of fodder, proper nutrition, costly feed, disease, parasite</li> <li>7. Local breed with low output, disease</li> <li>8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease &amp; parasite</li> <li>9. Pond management, unavailability of quality fish seed, high feed cost, low productivity</li> <li>10. Low yield, spawn, straw unavailability, no round the year production, hygiene</li> <li>11. Unutilised orchard inter space, lack of awareness on enterprise</li> </ol>	<ul style="list-style-type: none"> <li>• Paddy -HYV, aromatic rice, IDM, IPM, INM, IWM</li> <li>• Pulse - HYV, IDM, IPM, INM, IWM, soil management, use of bioagents, chemicals</li> <li>• Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management</li> <li>• Coconut- INM, Pest management</li> <li>• Banana- HYV tissue culture, IDM, IPM, INM, IWM</li> <li>• Integrated fish farming and fish health management</li> <li>• Feeding and Health management of dairy animals and small ruminants</li> <li>• Profitable dairy and goat farming</li> <li>• Commercial and backyard poultry farming</li> <li>• Commercial floriculture and organic farming</li> <li>• Farm mechanization for timely operation and save high Labour cost</li> <li>• Value addition to fruits, vegetables, milk and low cost marine fish and prawn</li> <li>• Profitable poultry and duckery</li> <li>• Fish seed production in small ponds</li> <li>• Fish production in low saline coastal zone</li> <li>• Aquatic weed infested pond</li> <li>• Inland Water Bodies for multiple production</li> <li>• Resources for multiple cropping</li> <li>• Coconut orchard for intercrop</li> <li>• Promotion of coir industry</li> <li>• Promotion of agro eco tourism</li> <li>• Promotion of brackish water prawn export</li> <li>• Organic farming</li> </ul>
--	--	--------	--	---	---	---

		Nimapada	Gopalpur, Nahatara, Gadatorihan, Dalabhanapur, Haripur, nuasahi, sahadapada, naruda, Jagannathpur, Resinga	<ol style="list-style-type: none"> <li>1. Paddy</li> <li>2. Pulse</li> <li>3. Vegetable</li> <li>4. Coconut</li> <li>5. Banana</li> <li>6. Dairy</li> <li>7. Poultry</li> <li>8. Goat</li> <li>9. Inland fishery</li> <li>10. Mushroom</li> <li>11. Apiary</li> </ol>	<ol style="list-style-type: none"> <li>1. Low yield, disease, pest, weeds, submergence/ flood tolerant</li> <li>2. Low yield, disease pest, lack of INM, IDM, IPM, Biopesticide/agents, soil salinity, indiscriminate use of chemicals</li> <li>3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest &amp; weeds</li> <li>4. Lack of INM and management</li> <li>5. Low yield, Sigatoka, Panama wilt, fruit &amp; shoot borer</li> <li>6. Lack of fodder, proper nutrition, costly feed, disease, parasite</li> <li>7. Local breed with low output, disease</li> <li>8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease &amp; parasite</li> <li>9. Pond management, unavailability of quality fish seed, high feed cost, low productivity</li> <li>10. Low yield, spawn, straw unavailability, no round the year production, hygiene</li> <li>11. Unutilised orchard inter space, lack of awareness on enterprise</li> </ol>	<ul style="list-style-type: none"> <li>• Paddy -HYV, aromatic rice, IDM, IPM, INM, IWM</li> <li>• Pulse - HYV, IDM, IPM, INM, IWM, soil management, use of bioagents, chemicals</li> <li>• Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management</li> <li>• Coconut- INM, Pest management</li> <li>• Banana- HYV tissue culture, IDM, IPM, INM, IWM</li> <li>• Integrated fish farming and fish health management</li> <li>• Feeding and Health management of dairy animals and small ruminants</li> <li>• Profitable dairy and goat farming</li> <li>• Commercial and backyard poultry farming</li> <li>• Commercial floriculture and organic farming</li> <li>• Farm mechanization for timely operation and save high Labour cost</li> <li>• Value addition to fruits, vegetables, milk and low cost marine fish and prawn</li> <li>• Profitable poultry and duckery</li> <li>• Fish seed production in small ponds</li> <li>• Fish production in low saline coastal zone</li> <li>• Aquatic weed infested pond</li> <li>• Inland Water Bodies for multiple production</li> <li>• Resources for multiple cropping</li> <li>• Coconut orchard for intercrop</li> <li>• Promotion of coir industry</li> <li>• Promotion of agro eco tourism</li> <li>• Promotion of brackish water prawn export</li> <li>• Organic farming</li> </ul>
--	--	----------	--	---	---	---

		Delanga	Machapada, khairamangalpur,	<ol style="list-style-type: none"> <li>1. Paddy</li> <li>2. Pulse</li> <li>3. Vegetable</li> <li>4. Coconut</li> <li>5. Banana</li> <li>6. Dairy</li> <li>7. Poultry</li> <li>8. Goat</li> <li>9. Inland fishery</li> <li>10. Mushroom</li> <li>11. Apiary</li> </ol>	<ol style="list-style-type: none"> <li>1. Low yield, disease, pest, weeds, submergence/ flood tolerant</li> <li>2. Low yield, disease pest, lack of INM, IDM, IPM, Biopesticide/agents, soil salinity, indiscriminate use of chemicals</li> <li>3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest &amp; weeds</li> <li>4. Lack of INM and management</li> <li>5. Low yield, Sigatoka, Panama wilt, fruit &amp; shoot borer</li> <li>6. Lack of fodder, proper nutrition, costly feed, disease, parasite</li> <li>7. Local breed with low output, disease</li> <li>8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease &amp; parasite</li> <li>9. Pond management, unavailability of quality fish seed, high feed cost, low productivity</li> <li>10. Low yield, spawn, straw unavailability, no round the year production, hygiene</li> <li>11. Unutilised orchard inter space, lack of awareness on enterprise</li> </ol>	<ul style="list-style-type: none"> <li>• Paddy -HYV, aromatic rice, IDM, IPM, INM, IWM</li> <li>• Pulse - HYV, IDM, IPM, INM, IWM, soil management, use of bioagents, chemicals</li> <li>• Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management</li> <li>• Coconut- INM, Pest management</li> <li>• Banana- HYV tissue culture, IDM, IPM, INM, IWM</li> <li>• Integrated fish farming and fish health management</li> <li>• Feeding and Health management of dairy animals and small ruminants</li> <li>• Profitable dairy and goat farming</li> <li>• Commercial and backyard poultry farming</li> <li>• Commercial floriculture and organic farming</li> <li>• Farm mechanization for timely operation and save high Labour cost</li> <li>• Value addition to fruits, vegetables, milk and low cost marine fish and prawn</li> <li>• Profitable poultry and duckery</li> <li>• Fish seed production in small ponds</li> <li>• Fish production in low saline coastal zone</li> <li>• Aquatic weed infested pond</li> <li>• Inland Water Bodies for multiple production</li> <li>• Resources for multiple cropping</li> <li>• Coconut orchard for intercrop</li> <li>• Promotion of coir industry</li> <li>• Promotion of agro eco tourism</li> <li>• Promotion of brackish water prawn export</li> <li>• Organic farming</li> </ul>
		Kanas	Lokpal	Pulse	<ol style="list-style-type: none"> <li>1. Low yield, disease pest, lack of INM, IDM, IPM, Biopesticide/agents, soil salinity, indiscriminate use of chemicals</li> </ol>	<ul style="list-style-type: none"> <li>• Pulse - HYV, IDM, IPM, INM, IWM, soil management, use of bioagents, chemicals</li> </ul>

		Kaktpur	Othaka, Mahadevbast, chandikuda, dahikhia,	<p>12. Paddy</p> <p>13. Pulse</p> <p>14. Vegetable</p> <p>15. Coconut</p> <p>16. Banana</p> <p>17. Dairy</p> <p>18. Poultry</p> <p>19. Goat</p> <p>20. Inland fishery</p> <p>21. Mushroom</p> <p>22. Apiary</p>	<p>12. Low yield, disease, pest, weeds,submergence/ flood tolerant</p> <p>13. Low yield, disease pest, lack of INM,IDM,IPM, Biopesticide/agents, soil salinity ,indiscriminate use of chemicals</p> <p>14. Low yield, lack of high yielding variety, unavailability of planting material, disease pest &amp; weeds</p> <p>15. Lack of INM and management</p> <p>16. Low yield, Sigatoka, Panama wilt, fruit &amp; shoot borer</p> <p>17. Lack of fodder, proper nutrition, costly feed, disease, parasite</p> <p>18. Local breed with low output, disease</p> <p>19. Inbreeding, faulty buck /kid/ doe management, nutrition, disease &amp; parasite</p> <p>20. Pond management, unavailability of quality fish seed, high feed cost, low productivity</p> <p>21. Low yield, spawn, straw unavailability, no round the year production, hygiene</p> <p>22. Unutilised orchard inter space, lack of awareness on enterprise</p>	<ul style="list-style-type: none"> <li>• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM</li> <li>• Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals</li> <li>• Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management</li> <li>• Coconut- INM, Pest management</li> <li>• Banana- HYV tissue culture , IDM, IPM, INM, IWM</li> <li>• Integrated fish farming and fish health management</li> <li>• Feeding and Health management of dairy animals and small ruminants</li> <li>• Profitable dairy and goat farming</li> <li>• Commercial and backyard poultry farming</li> <li>• Commercial floriculture and organic farming</li> <li>• Farm mechanization for timely operation and save high Labour cost</li> <li>• Value addition to fruits, vegetables, milk and low cost marine fish and prawn</li> <li>• Profitable poultry and duckery</li> <li>• Fish seed production in small ponds</li> <li>• Fish production in low saline coastal zone</li> <li>• Aquatic weed infested pond</li> <li>• Inland Water Bodies for multiple production</li> <li>• Resources for multiple cropping</li> <li>• Coconut orchard for intercrop</li> <li>• Promotion of coir industry</li> <li>• Promotion of agro eco tourism</li> <li>• Promotion of brackish water prawn export</li> <li>• Organic farming</li> </ul>
--	--	---------	---	---	--	---

-		Gop	Oruali, subrnapur, sarada, Bangur	<p>23. Paddy</p> <p>24. Pulse</p> <p>25. Vegetable</p> <p>26. Coconut</p> <p>27. Banana</p> <p>28. Dairy</p> <p>29. Poultry</p> <p>30. Goat</p> <p>31. Inland fishery</p> <p>32. Mushroom</p> <p>33. Apiary</p>	<p>23. Low yield, disease, pest, weeds,submergence/ flood tolerant</p> <p>24. Low yield, disease pest, lack of INM,IDM,IPM, Biopesticide/agents, soil salinity ,indiscriminate use of chemicals</p> <p>25. Low yield, lack of high yielding variety, unavailability of planting material, disease pest &amp; weeds</p> <p>26. Lack of INM and management</p> <p>27. Low yield, Sigatoka, Panama wilt, fruit &amp; shoot borer</p> <p>28. Lack of fodder, proper nutrition, costly feed, disease, parasite</p> <p>29. Local breed with low output, disease</p> <p>30. Inbreeding, faulty buck /kid/ doe management, nutrition, disease &amp; parasite</p> <p>31. Pond management, unavailability of quality fish seed, high feed cost, low productivity</p> <p>32. Low yield, spawn, straw unavailability, no round the year production, hygiene</p> <p>33. Unutilised orchard inter space, lack of awareness on enterprise</p>	<ul style="list-style-type: none"> <li>• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM</li> <li>• Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals</li> <li>• Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management</li> <li>• Coconut- INM, Pest management</li> <li>• Banana- HYV tissue culture , IDM, IPM, INM, IWM</li> <li>• Integrated fish farming and fish health management</li> <li>• Feeding and Health management of dairy animals and small ruminants</li> <li>• Profitable dairy and goat farming</li> <li>• Commercial and backyard poultry farming</li> <li>• Commercial floriculture and organic farming</li> <li>• Farm mechanization for timely operation and save high Labour cost</li> <li>• Value addition to fruits, vegetables, milk and low cost marine fish and prawn</li> <li>• Profitable poultry and duckery</li> <li>• Fish seed production in small ponds</li> <li>• Fish production in low saline coastal zone</li> <li>• Aquatic weed infested pond</li> <li>• Inland Water Bodies for multiple production</li> <li>• Resources for multiple cropping</li> <li>• Coconut orchard for intercrop</li> <li>• Promotion of coir industry</li> <li>• Promotion of agro eco tourism</li> <li>• Promotion of brackish water prawn export</li> <li>• Organic farming</li> </ul>
---	--	-----	-----------------------------------	---	--	---

		Sadar	Naiguan,	<ol style="list-style-type: none"> <li>1. Paddy</li> <li>2. Pulse</li> <li>3. Vegetable</li> <li>4. Coconut</li> <li>5. Banana</li> <li>6. Dairy</li> <li>7. Poultry</li> <li>8. Goat</li> <li>9. Inland fishery</li> <li>10. Mushroom</li> <li>11. Apiary</li> </ol>	<ol style="list-style-type: none"> <li>1. Low yield, disease, pest, weeds, submergence/ flood tolerant</li> <li>2. Low yield, disease pest, lack of INM, IDM, IPM, Biopesticide/agents, soil salinity, indiscriminate use of chemicals</li> <li>3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest &amp; weeds</li> <li>4. Lack of INM and management</li> <li>5. Low yield, Sigatoka, Panama wilt, fruit &amp; shoot borer</li> <li>6. Lack of fodder, proper nutrition, costly feed, disease, parasite</li> <li>7. Local breed with low output, disease</li> <li>8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease &amp; parasite</li> <li>9. Pond management, unavailability of quality fish seed, high feed cost, low productivity</li> <li>10. Low yield, spawn, straw unavailability, no round the year production, hygiene</li> <li>11. Unutilised orchard inter space, lack of awareness on enterprise</li> </ol>	<ul style="list-style-type: none"> <li>• Paddy -HYV, aromatic rice, IDM, IPM, INM, IWM</li> <li>• Pulse - HYV, IDM, IPM, INM, IWM, soil management, use of bioagents, chemicals</li> <li>• Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management</li> <li>• Coconut- INM, Pest management</li> <li>• Banana- HYV tissue culture, IDM, IPM, INM, IWM</li> <li>• Integrated fish farming and fish health management</li> <li>• Feeding and Health management of dairy animals and small ruminants</li> <li>• Profitable dairy and goat farming</li> <li>• Commercial and backyard poultry farming</li> <li>• Commercial floriculture and organic farming</li> <li>• Farm mechanization for timely operation and save high Labour cost</li> <li>• Value addition to fruits, vegetables, milk and low cost marine fish and prawn</li> <li>• Profitable poultry and duckery</li> <li>• Fish seed production in small ponds</li> <li>• Fish production in low saline coastal zone</li> <li>• Aquatic weed infested pond</li> <li>• Inland Water Bodies for multiple production</li> <li>• Resources for multiple cropping</li> <li>• Coconut orchard for intercrop</li> <li>• Promotion of coir industry</li> <li>• Promotion of agro eco tourism</li> <li>• Promotion of brackish water prawn export</li> <li>• Organic farming</li> </ul>
--	--	-------	----------	---	---	---



		Krushnaprasad	Panaspada, anandapur, jadupur, haripur	<ol style="list-style-type: none"> <li>1. Paddy</li> <li>2. Pulse</li> <li>3. Vegetable</li> <li>4. Coconut</li> <li>5. Banana</li> <li>6. Dairy</li> <li>7. Poultry</li> <li>8. Goat</li> <li>9. Inland fishery</li> <li>10. Mushroom</li> <li>11. Apiary</li> </ol>	<ol style="list-style-type: none"> <li>1. Salinity of soil &amp; water, Low yield, disease, pest, weeds, submergence/ flood tolerant</li> <li>2. Low yield, disease pest, lack of INM, IDM, IPM, Biopesticide/agents, soil salinity, indiscriminate use of chemicals</li> <li>3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest &amp; weeds</li> <li>4. Lack of INM and management</li> <li>5. Low yield, Sigatoka, Panama wilt, fruit &amp; shoot borer</li> <li>6. Lack of fodder, proper nutrition, costly feed, disease, parasite</li> <li>7. Local breed with low output, disease</li> <li>8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease &amp; parasite</li> <li>9. Pond management, unavailability of quality fish seed, high feed cost, low productivity</li> <li>10. Low yield, spawn, straw unavailability, no round the year production, hygiene</li> <li>11. Unutilised orchard inter space, lack of awareness on enterprise</li> </ol>	<ul style="list-style-type: none"> <li>• Paddy –Saline tolerant, IDM, IPM, INM, IWM</li> <li>• Pulse - HYV, IDM, IPM, INM, IWM, soil management, use of bioagents, chemicals</li> <li>• Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management</li> <li>• Coconut- INM, Pest management</li> <li>• Banana- HYV tissue culture, IDM, IPM, INM, IWM</li> <li>• Integrated fish farming and fish health management</li> <li>• Feeding and Health management of dairy animals and small ruminants</li> <li>• Profitable dairy and goat farming</li> <li>• Commercial and backyard poultry farming</li> <li>• Commercial floriculture and organic farming</li> <li>• Farm mechanization for timely operation and save high Labour cost</li> <li>• Value addition to fruits, vegetables, milk and low cost marine fish and prawn</li> <li>• Profitable poultry and duckery</li> <li>• Fish seed production in small ponds</li> <li>• Fish production in low saline coastal zone</li> <li>• Aquatic weed infested pond</li> <li>• Inland Water Bodies for multiple production</li> <li>• Resources for multiple cropping</li> <li>• Coconut orchard for intercrop</li> <li>• Promotion of coir industry</li> <li>• Promotion of agro eco tourism</li> <li>• Promotion of brackish water prawn export</li> <li>• Organic farming</li> </ul>
--	--	---------------	--	---	---	--

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2017-18) for its development and action plan

Name of village	Block	Action taken for development
Otekera	Satyabadi	OFT,FLD, Training, Awareness , Advisory Soil & Water test, Animal Health camp, Soil health Camp,
Gopalpur	Nimapara	OFT,FLD, Training, Awareness , Advisory Soil & Water test, Animal Health camp, Soil health Camp,
Othaka	Kakatpur	OFT,FLD, Training, Awareness , Advisory Soil & Water test, Animal Health camp, Soil health Camp,
Adhangapada	Pipili	OFT,FLD, Training, Awareness , Advisory Soil & Water test, Animal Health camp, Soil health Camp,
Panashapada	Krushnaprasad	OFT,FLD, Training, Awareness , Advisory Soil & Water test, Animal Health camp, Soil health Camp,

#### 2.1 Priority thrust areas

Sl.no	Thrust area
1.	Paddy –Saline tolerant , IDM,IPM,INM,IWM
2.	Pu/lse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals
3.	Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management
4.	Coconut- INM, Pest management
5.	Banana- HYV tissue culture , IDM, IPM, INM, IWM
6.	Integrated fish farming and fish health management
7.	Feeding and Health management of dairy animals and small ruminants
8.	Profitable dairy and goat farming
9.	Commercial and backyard poultry farming
10.	Commercial floriculture and organic farming
11.	Farm mechanization for timely operation and save high Labour cost
12.	Value addition to fruits, vegetables, milk and low cost marine fish and prawn
13.	Profitable poultry and duckery
14.	Fish seed production in small ponds
15.	Fish production in low saline coastal zone
16.	Aquatic weed infested pond
17.	Inland Water Bodies for multiple production
18.	Resources for multiple cropping
19.	Coconut orchard for intercrop
20.	Promotion of coir industry
21.	Promotion of agro eco tourism
22.	Promotion of brackish water prawn export
23.	Organic farming

### 3. TECHNICAL ACHIEVEMENTS

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

OFT						FLD					
No. of technologies: 12						No. of technologies:					
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
14	12	90	23	57	80	24	21	230	92	120	212

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
102	79	2073	244	1721	1965	30	30	3500	1420	2280	3700

Seed production (q)			Planting material (in Lakh)		
Target	Achievement		Target	Achievement	
500	500		0.012	0.014	

Livestock strains and fish fingerlings produced (in lakh)*			Soil, water, plant, manures samples tested (in lakh)		
Target	Achievement		Target	Achievement	
Nil	Nil		0.004	0.004	

\* Give no. only in case of fish fingerlings

Publication by KVKs		
Item	Number	No. circulated
Research paper	0	
Seminar/conference/ symposia papers	2	Mass
Books (Booklet )	0	
Bulletins	0	0
News letter	4	2000

Popular Articles	2	Mass
Book Chapter	0	0
Extension Pamphlets/ literature	8	400
Technical reports	22	22
Electronic Publication (CD/DVD etc)	0	0
TOTAL	36	2422

1 Achievements on technologies assessed and refined

## OFT-1

1.	Title of On farm Trial	Assessment of low land paddy varieties
2.	Problem diagnosed	Susceptible to lodging , causing low yield
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO-1: CR-1009 sub1 , TO-2: CR-500
4.	Source of Technology	NRRI, Cuttack
5.	Production system and thematic area	Varietal evaluation
6.	Performance of the Technology with performance indicators	No effective tiller/hill, yield
7.	Final recommendation for micro level situation	Medium duration varieties requirement
8.	Constraints identified and feedback for research	Required variety not available in seed chain
9.	Process of farmers participation and their reaction	

*Thematic area: Varietal Evaluation*

Problem definition: lodging and low yield

Technology assessed: Submergence variety

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.)						
FP	4	7.2				36.75	44717	51817	7100	1.19
TO-1	4	10.32				49.56	47407	69879	22472	1.6
TO-2	4	8.7				42.89	46006	60474	14468	1.39

Results: CR-1009 sub-1 provides better yield, flagleaf area higher, contribute to higher yield

## OFT-2

1.	Title of On farm Trial	Assessment of aromatic paddy variety
2.	Problem diagnosed	Local var with low yield
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP:- Laghusaulimadhi TO-1: Kalajira To-2: Geetanjali
4.	Source of Technology	NRRI,ICAR, Cuttack
5.	Production system and thematic area	Varietal evaluation
6.	Performance of the Technology with performance indicators	No of tiller/hill, yield
7.	Final recommendation for micro level situation	Requirement of high yielding aromatic variety
8.	Constraints identified and feedback for research	Lack of processing unit
9.	Process of farmers participation and their reaction	

*Thematic area: varietal evaluation*

Problem definition: Local var with low yield

Technology assessed: Aromatic paddy variety

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.)						
FP	4	5.1				15.5	17495	21855	4360	1.23
TO-1	4	6.7				22.18	22657	31273	8616	1.35
TO-2	4	7.1				24.42	23128	34432	11304	1.44

Results: Geetanjali variety gives better yield

### OFT-3

1.	Title of On farm Trial	Assessment of biofertiliser application in blackgram
2.	Problem diagnosed	Indiscriminate use of chemical fertiliser
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: No use of biofertiliser TO-1: Use of rhizobium culture 20gm/kg of seed TO-2: Use of rhizobium culture 20gm/kg of seed + PSB(6kg/ha)
4.	Source of Technology	OUAT
5.	Production system and thematic area	INM
6.	Performance of the Technology with performance indicators	Pods/plant,
7.	Final recommendation for micro level situation	Use of rhizobium + PSB increases yield
8.	Constraints identified and feedback for research	Low awareness for application of bio fertilizer
9.	Process of farmers participation and their reaction	

*Thematic area: INM*

Problem definition: No use of biofertiliser

Technology assessed: Use of biofertiliser

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 pod/plant	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	7	29.2				6.8	17000	25840	8840	1.52
TO-1	7	39.6				7.6	17190	28880	11690	1.68
TO-2	7	42.6				8.5	17650	32300	14650	1.83

Results: Biofertiliser application increases nodule per plant

### OFT-4

1.	Title of On farm Trial	Assessment of lime application in groundnut
2.	Problem diagnosed	Low production due to acidic soil
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: No application of lime TO-1: Lime application @ 0.2LR
4.	Source of Technology	OUAT
5.	Production system and thematic area	INM
6.	Performance of the Technology with performance indicators	Pod/plant
7.	Final recommendation for micro level situation	Acid soil management by lime application
8.	Constraints identified and feedback for research	Low yield due to acid soil

9.	Process of farmers participation and their reaction	Reclamation of acid soil
----	---	--------------------------

*Thematic area: INM*

Problem definition: Low production due to acidic soil

Technology assessed: Reclamation of acid soil

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 Pod/plant	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	4	18.3				17.4	28550	69600	41050	2.43
TO-1	13	23.6				22.5	31914	90000	58086	2.82

Results: Acid soil reclamation(Lime application) leads to higher yield



## OFT-5

1.	Title of On farm Trial	Assessment of Sigatoka disease management in Banana
2.	Problem diagnosed	Low yield of Banana due to moderate to severe infection of sigatoka disease
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO <sub>1</sub> -Alternate spraying of Bordeaux mixture 1% and Propiconazole 25%EC@500ml/ha at 15 days interval and additional doses of 25% Potash  TO <sub>2</sub> .Alternate spraying of Bordeaux mixture 1% and (Tebuconazole 50%+Trifloxystrobin 25%)75%WG@200gm/ha) at 15 days interval and additional doses of 25% Potash
4.	Source of Technology	OUAT
5.	Production system and thematic area	IDM
6.	Performance of the Technology with performance indicators	TO1-No of affected leaf /plant = 1.2,TO2-No of affected leaf /plant= 0.9
7.	Final recommendation for micro level situation	Reclamation of soil acidity,Sucker treatment and alternate spraying of Bordeaux mixture 1% and (Tebuconazole 50%+Trifloxystrobin 25%)75%WG@200gm/ha) at 15 days interval and additional doses of 25% Potash
8.	Constraints identified and feedback for research	Soil Acidity, unavailability of healthy suckers  Reclamation of soil acidity,Sucker treatment and alternate spraying of Bordeaux mixture 1% and (Tebuconazole 50%+Trifloxystrobin 25%)75%WG@200gm/ha) at 15 days interval and additional doses of 25% Potash.

9.	Process of farmers participation and their reaction	Preparation of Bordeaux mixture is a tedious process
----	---	--

### *Thematic area: Integrated Disease Management*

Problem definition: Low yield of Banana due to moderate to severe infection of sigatoka disease

Technology assessed:

TO<sub>1</sub>-Alternate spraying of Bordeaux mixture 1% and Propiconazole 25%EC@500ml/ha at 15 days interval and additional doses of 25% Potash

TO<sub>2</sub>-Alternate spraying of Bordeaux mixture 1% and (Tebuconazole 50%+Trifloxystrobin 25%)75%WG@200gm/ha) at 15 days interval and additional doses of 25% Potash

Table:

Technology option	No. of trials	Yield component			No of affected leaves/plant	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.)						
FP	8	-	-	-	4.8	288	163000	374900	211900	2.30
TO1	8	-	-	-	1.2	312	165825	412904	247079	2.49
TO2	8	-	-	-	0.9	323	169325	436858	267533	2.58

### OFT-6

1.	Title of On farm Trial	Assessment of DBM management in cauliflower
2.	Problem diagnosed	Low yield of Cauliflower due to infestation of DB moth

3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: mustard (trap crop), pheromone trap, neem oil, spinosad TO2: mustard (trap crop), pheromone trap, neem oil, Emamectin benzoate
4.	Source of Technology	OUAT
5.	Production system and thematic area	IPM
6.	Performance of the Technology with performance indicators	TO1-No of larvae /plant = 1.2 TO2-No of larvae /plant= 1.3
7.	Final recommendation for micro level situation	Mustard (trap crop) around main crop 15 DBT+ Installation of pheromone trap @20/ha and foliar spraying of Novaluron 10%EC @ 375ml/ha twice at 15 days interval
8.	Constraints identified and feedback for research	Un available of quality PP chemicals & resistant varieties in local market. Development of resistant varieties
9.	Process of farmers participation and their reaction	Requirment of good quality PP chemicals & resistant varieties

*Thematic area: Integtated Pest Management*

Problem definition: Low yield of Cauliflower due to infestation of DB moth

Technology assessed:

TO1-Mustard (trap crop) around main crop 15 DBT + pheromone trap@20/ha , foliar spraying Spinosad 45 SC @ 150 ml/ha twice at 15 days interval

TO2-Mustard (trap crop) around main crop 15 DBT+ Installation of pheromone trap @20/ha and foliar spraying of Novaluron 10%EC @ 375ml/ha twice at 15 days interval

Table:

Technology option	No. of trials	Yield component			No of Larvae/plant	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.)						
FP	5	-	-	-	5.2	210	52500	105000	52500	2.0
TO1	5	-	-	-	1.3	242.9	56500	121475	64975	2.15
TO2	5	-	-	-	1.2	251.9	57250	125950	68700	2.20

### OFT -7

1.	Title of On farm Trial	Assessment of bypass fat feeding on milk production of Dairy cattle
2.	Problem diagnosed	Improper nutrition of dairy animals Low milk yield, Less FAT & SNF Energy deficient dairy animals during early lactation, faster loss in body wt, debilitated Peak lactation (90-120 day): reduced Fat, SNF, Reduced price
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO <sub>2</sub> - Mineral mixture feeding @ 50 g /day/cow TO <sub>3</sub> -Commercially available bypass fat feeding @100g / day/cow
4.	Source of Technology	NDRI, 2012
5.	Production system and thematic area	Stall fed dairy, LPM
6.	Performance of the Technology with performance indicators	Milk yield, Milk fat%
7.	Final recommendation for micro level situation	Suitable for high yielders during peak lactation
8.	Constraints identified and feedback for research	Cost effective bypass fat production
9.	Process of farmers participation and their reaction	Increased market price of milk, higher profit

*Thematic area: live stock production & management*

Problem definition: Improper nutrition of dairy animals, Low milk yield, Less FAT & SNF, Energy deficient dairy animals during early lactation, faster loss in body wt, debilitated, Peak lactation (90-120 day): reduced Fat, SNF, Reduced price

Technology assessed: Effect of bypass fat feeding on milk fat % during peak lactation

Table:

Technology option	No. of trials	Yield component			Yield (ltr/day)	Cost of cultivation (Rs./day)	Gross return (Rs/day)	Net return (Rs./day)	BC ratio
		Milk yield /day	Milk fat %	-					
TO1	10	11.3	3.99		11.3	240	282	42	1.17
TO2	10	12	3.99		12	255	360	105	1.41
TO3	25	12.8	5.06		12.8	267	512	245	1.91

Results: Bypass fat feeding during the peak lactation (Low milk fat period) increases milk fat% to a substantial level, increases market price & profit, beneficial effect on Energy deficient dairy animals during early lactation, faster loss in body wt, debilitated

## OFT-8

1.	Title of On farm Trial	Assessment on concentrate supplementation for body weight gain of kids(goat) during lean periods
2.	Problem diagnosed	Malnutrition due to insufficient grazing materials during lean periods No deworming and supplementation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO2- Deworming + Supplement feeding  TO3-Concentrate feeding @ 100g/ day + deworming and supplement administration
4.	Source of Technology	OUAT
5.	Production system and thematic area	LPM
6.	Performance of the Technology with performance indicators	Body wt gain,Net income

7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

*Thematic area: live stock production & management*

Problem definition:

Technology assessed:

Table:

Technology option	No. of trials	Yield component			Yield	Cost of cultivation (Rs./day)	Gross return (Rs/day)	Net return (Rs./day)	BC ratio
				-					
TO1		Result awaited							
TO2									
TO3									

Results:

**OFT Fishery-9**

1.	Title of On farm Trial	Assessment of liquid organic manure in pisciculture
2.	Problem diagnosed	low natural productivity of plankton by use of RCD
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessment TO1: fermented manure @ 20 lit/Ac/mnth TO2: Planktofert @20 lit/Ac/mnth
4.	Source of Technology	CIFA, 2015

5.	Production system and thematic area	Fish production management
6.	Performance of the Technology with performance indicators	Yield
7.	Final recommendation for micro level situation	Higher plankton production with better body weight gain
8.	Constraints identified and feedback for research	Cost effective preparation
9.	Process of farmers participation and their reaction	

*Thematic area: Fishery*

Problem definition: low natural productivity of plankton by use of RCD

Technology assessed: Liquid organic manure for plankton production

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
				-					
FP	5				42	185840	420000	143840	2.26
TO1	5				49.75	214439	497500	283061	2.32
TO2	5				62.75	226534	627500	400966	2.77

**OFT-10**

1.	Title of On farm Trial	Assessment of paddy straw mushroom strains ( <i>V.vulvaceae</i> )
2.	Problem diagnosed	Low yield & bio efficiency of local strain

3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Local Starin TO-1: OSM-11 TO-2: OSM-12
4.	Source of Technology	CTMRT,OUAT
5.	Production system and thematic area	Income generation
6.	Performance of the Technology with performance indicators	Yield kg/bed, bio efficiency %
7.	Final recommendation for micro level situation	OSM-12 strain gives better yield
8.	Constraints identified and feedback for research	Unavailability of mother culture at micro level
9.	Process of farmers participation and their reaction	Participatory reasearch

*Thematic area: Income generation*

Problem definition: low yield & bio efficiency

Technology assessed: paddy straw mushroom

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (kg/bed)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Bio efficiency %	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	5	5.1			0.7	40	84	44	2.1	
TO-1	5	5.36			0.8	40	96	56	2.4	
TO-2	5	5.52			0.83	40	100	60	2.5	

Results: OSM-12 provides better yield and bio efficiency





Ongoing										

Results:

## OFT-12

1.	Title of On farm Trial	Assessment of Tissue culture banana
2.	Problem diagnosed	Low yield of local variety
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP- Champa TO1- Amrutpani
4.	Source of Technology	OUAT
5.	Production system and thematic area	Varietal evaluation, production management fruit
6.	Performance of the Technology with performance indicators	Yield, no of finger/bunch, finger size
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	Timely availability of sucker
9.	Process of farmers participation and their reaction	

*Thematic area:* Varietal evaluation, production management fruit

Problem definition: Low yield of local variety

Technology assessed: tissue culture banana

Table:

Technology	No. of	Yield component	Disease/	Yield	Cost of	Gross	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)	return (Rs/ha)	(Rs./ha)	ratio
			On going							

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	
1.	Paddy (Swarna sub-1)	Varietal demonstration	FP- MTU-7029 RP- Swarna sub-1	4	4	-	10	10	
2.	Paddy (Bina-11)	Varietal demonstration	FP- Lalat RP- Bina-11	4	4	-	8	8	
3.	Paddy (Luna Subarna)	Varietal demonstration	FP- Kalachampa RP- Luna subarna	2	1.2	-	6	6	Non availability of seeds
4.	Paddy (Swarna sub-1)	IPM	FP- Cloropyriphos RP-T.Chilonis, Fipronil	2	2	-	20	20	

## 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 <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O					
Paddy (Swarna sub-1)	Kharif	Irrigated	Clay loam	246	11.0 8	135	Green gram	13.07.17	16.12.1 7		
Paddy (Bina-11)	Kharif	Irrigated	Sandy clay loam	216	13.0 7	116	Green gram	18.07.17	15.12.1 7		
Paddy (Luna Subarna)	Kharif	Irrigated	Sandy clay loam	250	18.0 0	122	Green gram	17.07.17	16.12.1 7		
Paddy	Kharif	Irrigated	Clay loam	246	11.0 8	135	Green gram	13.07.17	16.12.1 7		

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
Groundnut	Weed management	FP: Manual weeding RP- Post emergence weedicide	10 10	2	22.6	18.6	21.5	36700	90400	53700	2.46	32600	74400	41800	2.28
Groundnut	IPM	Spodoptera management in Groundnut	10	1	21.8	17.6	23.8	36033	87200	51167	2.42	32442	70400	37958	2.17
Total			20	3	44.1	36.2	45.3	72733	177600	104867	4.88	65042	144800	79758	4.45





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
Others (pl. specify)	Live stock nutrition	Demonstration of Azolla for livestock feed management	36	40	Feed cost 160	Feed cost 180	12.5	Milk yield 10 L/day	Milk yield 10 L/day	160	220	60	1.37	180	220	40	1.2
Total			65	69						411	744	333	6.77	402	525	123	4.44

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

\*\* BCR= GROSS RETURN/GROSS COST

### Fisheries

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	Multiple stocking & harvesting	Demonstration on Integrated Pisciculture with relay farming system	10	10	Yield(q/ha) 24.8	Yield(q/ha) 21.7	14.28	No of harvest / Yr 3	No of harvest / Yr 1	200000	500000	300000	2.5	175000	350000	175000	2.0
Common carps	Varietal replacement	Demonstration on Jayanti rohu for increasing productivity	10	10	Yield(q/ha) 26.7	Yield(q/ha) 24.8	10.2	Market weight 1.65Kg	Market weight 1.5kg	175000	437500	262500	2.2	175000	350000	175000	2.0
Ornamental fishes																	
Exotic carp	Biological Aquatic weed management	Demonstration on Exotic carp for aquatic weed management	10	10	Yield(q/ha) 38	Yield(q/ha) 23	65	Exotic carp cost/ Ha (750no) 1500	Manual weeding / Ha 12500	176500	393595	217095	2.23	206250	402187	195937	1.95

Common carps + Prawn	Multiple stocking & harvesting	Demonstration on fish cum prawn culture in fresh water	5	5	Yield(q/ha) 16.5	Yield(q/ha) Carp 15	10	Prawn yield(q/ha) 2.25	Nil	202000	382500	180500	1.89	175000	297500	122500	1.7
Total			35	35	106	84.5	99.48			753500	1713595	960095	8.82	731250	1399687	668437	7.65

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

\*\* BCR= GROSS RETURN/GROSS COST

#### Other enterprises

Category	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				
				Demons ration	Check		Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR	
Oyster mushroom	Enterprise development																
Paddy straw mushroom	Paddy straw mushroom in agro shade net	5	5	Yield 1.2 kg/bed	Yield 0.8 kg/bed	71	Bio efficiency 8%	Bio efficiency 5.33%	50	144	94	2.88	40	96	56		2.4
Vermicompost																	
Sericulture																	
Apiculture	Apiary in coconut orchard	5	5	Yield 5kg/box	New intervention						2000						
Others (pl.specify) Value addition	Value added product tomato ketch up	10	10	Yield 1kg ketchup	Yield 6kg tomato				38	68	30	1.78	48	30	-18		0.6
Total		20	20	7.2	6.8				88	212	2124	4.66	88	126	38		3.0

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

\*\* BCR= GROSS RETURN/GROSS COST

#### Women empowerment

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Farm Women					
Pregnant women					
Adolescent Girl					
Other women					
Children					







## Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
	Paddy, Swarna sub-1	Performs better in submergence condition, lower lodging percentage Use of bio agents reduces leaf folder
	Paddy, Luna subarna	Performs better than the local variety
	Groundnut	Seed treatment , soil treatment,premergence weedicide management leads to better yield Pheromone trap & bio agent should be utilized for spodeptera management
	Green gram	Seed treatment with installation of yellow sticky trap controls YMV
	Pointed gourd	Training system increase yield due to larger foliar exposure to sunlight
	Marigold ,serakole	Ensures round the year production with better shelf life
	Betelvine	Soil application of bio pesticide controls foot rot with increase in surface area of leaf
	Fresh water fish	Relay farming with fingerlings increase yield
	Rohu(J Rohu)	Performs better than common Rohu
	Azolla	Can be utilized as an alternative feed for reducing cost
	Bypass protein	Increases milk quality
	Poultry	Blackrock variety has lower mortality and higher body weight gain
	Mushroom	Cultivation in agro shade net increases yield

## Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days		15	450	
2.	Farmers Training		28	700	
3.	Media coverage		2	100	
4.	Training for extension functionaries		-	-	

**Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif2017 and Rabi 2017-18:**

**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
1	Groundnut	Devi	20.8	20.2	17.87	32.32	Devi +Cluster Demonstration on Groundnut, (Seed treatment with Carboxin (33.5%+Thiram 37.5% )@2.5gm /Kg of seed inoculation with Rhizobium@ (20g/kg),,Zypmite, plus @45kg /ha, spraying of <a href="#">Boran@2.5gm/ltr</a> of water Combined nutrient spray, Indoxacrab 14.5 SC, Flonicamid 50 WG, Trizophos + Deltamethrin 36 EC, Metalaxyl 8 % + Mancozeb 64%, K-Cycline	125	50	22.9	18.7	20.8			
2	Sunflower	MSF H-17					Seed treatment with Carboxin (33.5%+Thiram 37.5% )@2.5gm ,Trizophos + Deltamethrin 36 EC,( Metalaxyl 8 % + Mancozeb 64%), spraying of Boron 10.5% @ 2.5gm/ltr.of water	25	10			14.0			


### 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
1	Devi & Cluster Demonstration on Groundnut, (Seed treatment with Carboxin (33.5%+Thiram 37.5%)@2.5 gm /Kg of seed inoculation with Rhizobium@ (20g/kg), Zymite, plus @45kg /ha, spraying of <a href="#">Boran@2.5g m/ltr</a> of water Combined nutrient spray, Indoxacrab 14.5 SC, Flonicamid	35200.00	62400	27200	1.77	37400	83200	45800	2.22

	50 WG, Trizophos + Deltamethrin 36 EC, Metalaxyl 8 % + Mancozeb 64%, K- Cycline								
2	MSFH-17 Seed treatment with Carboxin (33.5%+Thir am 37.5% )@2.5 gm ,Trizophos + Deltamethrin 36 EC,( Metalaxyl 8 % + Mancozeb 64%), spraying of Boron 10.5% @ 2.5gm/ltr.of water	26450	37800	11350	1.43	28200	49000	20800	1.73
1	BLACKGRAM PU-31 + Cluster Demonstratio n on Blackgram (Seed treatment with (Seed treatment with <i>Imidachlopri d(Gauch)</i> @5ml/kg of seed and inoculation with	20000	27270	7270	1.36	22200	37875	15675	1.70

	Rhizobium @20 gm/kg of seed), yellow sticky Trap 40nos./ha, Neem oil 300 ppm @ 2.5lit/ha DAP(2% spray, IPM as per need (botanical+biological)								
2	GREENGRAM IPM-02-14+ Cluster Demonstration on Greengram (Seed treatment with <i>Imidachloprid</i> (Gauch) @5ml/kg of seed and inoculation with Rhizobium( 20 gm/kg of seed), yellow sticky Trap 40nos./ha, Neem oil 300 ppm @ 2.5lit/ha DAP(2% spray)	20000	26500	6500	1.32	22200	36000	13800	1.62

### 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/household)
1	Groundnut var.Devi	260000	10376000	40	300	300	Education of the children	5
2	Sunflower var. MSFH-17	1400	38500	35	150	150	livelihood	5
1	PU-31 and Cluster Demonstration on Blackgram (Seed treatment with <i>Imidachloprid</i> ( <i>Gauchi</i> ) @5ml/kg of seed and inoculation with <i>Rhizobium</i> @20 gm/kg of seed), yellow sticky Trap 40nos./ha, Neem oil 300 ppm @ 2.5lit/ha DAP(2% spray	56250	500	50.50	750	500	livelihood	500
2	Greengram Var IPM-02-14 (Seed treatment with <i>Imidachloprid</i> ( <i>Gauchi</i> ) @5ml/kg of seed and inoculation with	78000	3900000	50.5	25	200	Enhancement of livelihood	45



	Rhizobium(20 gm/kg of seed), yellow sticky Trap 40nos./ha, Neem oil 300 ppm @ 2.5lit/ha DAP(2% spray)							
--	---	--	--	--	--	--	--	--

#### D. Oilseed 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 group/village	Suggestions, for change/improvement, if any
1	Cluster Demonstration on Groundnut, (Seed treatment with Carboxin (33.5%+Thiram 37.5%)+@2.5gm /Kg of seed inoculation with Rhizobium@ (20g/kg),,Zypmite, plus @45kg /ha, spraying of <a href="#">Boran@2.5gm/ltr</a> of water Combined nutrient spray, Indoxacrab 14.5 SC, Flonicamid 50 WG, Trizophos + Deltamethrin 36 EC, Metalaxyl 8 % + Mancozeb 64%, K-Cycline	Suitable to their farming system as per their soil type	Bold seeded( Red colour) is preferable	Medium	No	Yes	Larger number of training is required for scientific way of groundnut cultivation.
2	Seed treatment with Carboxin (33.5%+Thiram 37.5%)+@2.5gm ,Trizophos + Deltamethrin 36 EC,( Metalaxyl 8 % + Mancozeb 64%),	Suitable to their farming system	Preferability to Borax for spraying to capitulum	Medium	No	Yes	Larger number of training is required.

	spraying of Boron 10.5% @ 2.5gm/ltr.of water						
3	Cluster Demonstration on Blackgram (Seed treatment with <i>Imidachloprid</i> ( <i>Gauch</i> ) @5ml/kg of seed and inoculation with Rhizobium@20 gm/kg of seed), yellow sticky Trap 40nos./ha, Neem oil 300 ppm @ 2.5lit/ha DAP(2% spray	Yes	Bold seeded	Low - Medium	Medium irrigation potential	Yes	
4	Line sowing, Zero tillage, Tricho card	Suitable to their farming system	CSISA, IRRI, Nimapada		-	YES	Change of variety

### E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Groundnut (Spanish type)	Two seeded pod with bold seed	Better yield of the demo variety	Quality Seed with two seeded pod & palatable of haulms.
Sunflower (oil content)	More oil content 13%	Good yield with head diameter with 20cm	Less availability of processing facility
Resistance to leaf spot			1. Treatment of Rhizobium culture @ 20 gm/kg of seed fetches higher yield

Resistance to YMV			The variety is found to be bold seeded & producing good yield
-------------------	--	--	---

**F. Extension activities under FLD conducted:**

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Training programme (Production and Management of Groundnut cultivation)	21.12.17 and Lokapala (Block-kanas)	25
2	(Training programme) Production and management of Sunflower cultivation	16.02.2018	25
3	(Training programme) Production and management of Blackgram cultivation	Naiguan, Purisadar 03.01.2018	25
4	(Training programme) Production and management of Greengram cultivation	Othaka, Kakatpur 04.01.2018	25

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

**H. Farmers' training photographs**

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

**J. Details of budget utilization**

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













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			
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
TOTAL													

### 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													
Value addition													
Integrated Pest Management	1	7	12	19	1	-	1	-	-	-	8	12	20
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals	1	16	1	17	3	-	3	-	-	-	17	3	20
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1	14	5	19	1	-	1	-	-	-	15	5	20
Gender mainstreaming through SHGs													
TOTAL	3	37	18	55	5	-	5	-	-	-	40	20	60

### 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
<b>I. Crop Production</b>													
Weed Management	1	25	0	25	0	0	0	0	0	0	25	0	25
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Water management	1	24	-	24	1	-	1	-	-	-	25	-	25
Seed production	2	47	2	49	1	-	1	-	-	-	50	-	50
Nursery management													
Integrated Crop Management	3	72	2	74	1	-	1	-	-	-	73	2	75
Fodder production													
Production of organic inputs													
Others, (cultivation of crops ) INM	7	123	47	170	5	-	5	-	-	-	175	-	175
<b>II. Horticulture</b>													
<b>a) Vegetable Crops</b>													
Integrated nutrient management													
Water management	1	22	-	22	3	-	3	-	-	-	25	-	25
Enterprise development													
Skill development													
Yield increment	3	41	19	60	9	6	15	-	-	-	50	25	75
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
<b>b) Fruits</b>													
Layout and Management of Orchards													
Cultivation of Fruit	2	24	16	40	1	9	10	-	-	-	25	25	50
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
<b>c) Ornamental Plants</b>													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any( Floriculture)	1	9	10	19	6	-	6	-	-	-	15	10	25
<b>d) Plantation crops</b>													
Production and Management technology	1	21	-	21	4	-	4	-	-	-	25	-	25
Processing and value addition													
Others, if any													
<b>e) Tuber crops</b>													
Production and Management technology													
Processing and value addition													
Others, if any													
<b>f) Spices</b>													







Thematic Area	No. of Course s	No. of Participants									Grand Total			
		Other			SC			ST			M	F	T	
		M	F	T	M	F	T	M	F	T				
Fish harvest and processing technology														
Fry and fingerling rearing														
Small scale processing														
Post Harvest Technology														
Tailoring and Stitching														
Rural Crafts														
Others, if any														
<b>TOTAL</b>	<b>6</b>	<b>82</b>	<b>45</b>	<b>127</b>	<b>10</b>	<b>3</b>	<b>13</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>92</b>	<b>48</b>	<b>140</b>	

### F) Extension Personnel (Off Campus)

Thematic Area	No. of Course s	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														
Integrated Nutrient management														
Rejuvenation of old orchards														
Protected cultivation technology														
Formation and Management of SHGs														
Group Dynamics and farmers organization														
Information networking among farmers														
Capacity building for ICT application														
Care and maintenance of farm machinery and implements														
WTO and IPR issues														
Management in farm animals														
Livestock feed and fodder production														
Household food security														
Women and Child care														
Low cost and nutrient efficient diet designing														
Production and use of organic inputs														
Gender mainstreaming through SHGs														
Crop intensification														
<b>TOTAL</b>														

### 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				
Production of livestock feed and fodder														
Production of Fish feed														
Others, if any														
<b>X. Capacity Building and Group Dynamics</b>														
Leadership development														
Group dynamics														
Formation and Management of SHGs														
Mobilization of social capital														
Entrepreneurial development of farmers/youths	5	83	21	104	13	3	16	-	-	-	96	24	120	
WTO and IPR issues														
Others, if any(DIGITAL FARMING)	3	59	2	61	14	-	14	-	-	-	73	2	75	
XI Agro-forestry														
Production technologies														
Nursery management														
Integrated Farming Systems														
<b>XII. Others (Pl. Specify)</b>														
<b>TOTAL</b>	66	1101	323	1424	133	88	221	-	-	-	1283	362	1645	

#### 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			
Mushroom Production	1	-	25	25	-	-	-	-	-	-	-	25	25
Bee-keeping	1	14	7	21	3	1	4	-	-	-	17	8	25
Integrated farming													
Seed production													
Production of organic inputs	2	35	-	35	5	-	5	-	-	-	40	-	40
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying	1	23	-	23	2	-	2	-	-	-	25	-	25
Sheep and goat rearing	1	10	13	23	-	2	-	-	-	-	10	15	25



Capacity building for ICT application														
Care and maintenance of farm machinery and implements														
WTO and IPR issues														
Management in farm animals	1	16	1	17	3	-	3	-	-	-	17	3	20	
Livestock feed and fodder production														
Household food security														
Women and Child care														
Low cost and nutrient efficient diet designing														
Production and use of organic inputs	1	14	5	19	1	-	1	-	-	-	15	5	20	
Gender mainstreaming through SHGs														
Crop intensification														
Others if any														
TOTAL	3	37	18	55	5	-	5	-	-	-	40	20	60	

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	
Crop production		Paddy production in low land	1	OFC							25
Crop production		Water management in pulse crop	1	OFC							25
Crop production		Fertilizer management in sesamum	1	OFC							25
Crop production		Fertilizer management in sunflower	1	OFC							25
Crop production		Fertilizer management in paddy	1	OFC							25
Crop production		Micronutrient application in pulse	1	OFC							25
Crop production		Weed management in groundnut	1	OFC							25
Crop production		Integrated Nutrient Management in greengram	1	OFC							25
Crop production		Importance of	1	OFC							25

		lime in pulse crops								
Crop production		Importance of plant growth regulator	1	OFC						25
Crop production		Seed production in paddy	1	OFC						25
Crop production		Fertilizer management in paddy	2	OFC						20
Plant protection		Integrated Pest Management in Paddy	1	OFC						25
Plant protection		Integrated Pest Management of Spodoptera in groundnut	1	OFC						25
Plant protection		Integrated Pest Management of YMV in green gram	1	OFC						25
Plant protection		Sigatoka disease management in Banana	1	OFC						25
Plant protection		Foot Rot disease management in betel vine	1	OFC						25
Plant protection		Integrated Pest Management of Diamond Back Moth disease in cauliflower	1	OFC						25
Plant protection		Wilt management in solanaceous crop	1	OFC						25
Plant protection		Fruit fly management in cucurbits	1	OFC						25
Plant protection		Store grain pest management	1	OFC						25
Plant protection		Rodent management	1	OFC						25
Plant protection		Methods of preparation neem pesticide	1	OFC						25
Plant protection		Apiary production	1	OFC						25
Plant protection		New generation chemical pesticide	2	OFC						20
Horticulture		Scientific production management of Banana crop	1	OFC						25
Horticulture		Betel vine production and	1	OFC						25

		management								
Horticulture		Scientific method of cultivation of tuber crops	1	OFC						25
Horticulture		Production and management of short duration fruit crop Papaya, drumstick	1	OFC						25
Horticulture		Production and management of high value crop.	1	OFC						25
Horticulture		Commercial cultivation of marigold, tuberose	1	OFC						25
Horticulture		Production and management of pointed gourd	1	OFC						25
Horticulture		Scientific production of cole crop	1	OFC						25
Horticulture		Water Management in vegetable crops	1	OFC						25
Horticulture		Vermicompost application in vegetable crops	1	OFC						25
Horticulture		Seed production in vegetable crop	1	OFC						25
Horticulture		High-tech horticulture	2	ONC						25
Horticulture		Management of coconut orchard	2	OFC						20
Agril extn		Role of Krishi Vigyan Kendra in digital India for farming community	1	OFC						25
Agril extn		Doubling the farmer income towards agriculture development	1	OFC						25
Agril extn		Skill development programme for farming community in various sector of agriculture	1	OFC						25
Agril extn		Production and management of green gram cultivation	1	OFC						25
Agril extn		Production and management of groundnut	1	OFC						25

		cultivation								
Agril extn		Production and management of black gram cultivation	1	OFC						25
Agril extn		Upliftment of skill India in the Agril. Sector	1	OFC						25
Agril extn		Up gradation of farmers skill through electronic media	1	OFC						25
Agril extn		Role of KVK for changing the destiny of farmers' income	1	OFC						25
Agril extn		Role of information communication & technology for the benefit of farmers' in digital India	1	OFC						25
Agril extn		Development of managerial skills among the rural youth	1	OFC						20
Soil Science		Importance of soil testing Technique of soil sample collection	1	OFC						25
Soil Science		Fertilizer recommendation on basis of soil test value	1	OFC						25
Soil Science		Management of saline soil for sustainable crop production	1	OFC						25
Soil Science		Use of Biofertiliser in pulse crop	1	OFC						25
Soil Science		Deficiency symptom of macro nutrient and their management in soil	1	OFC						25
Soil Science		Deficiency symptom of micro nutrient and their management in soil	1	OFC						25
Soil Science		Management of Acid soil	1	OFC						25
Soil		Organic farming	1	OFC						20

Science										
Fishery		Fish production with improved Rohu	1	OFC						25
Fishery		Multiple stocking and harvesting	1	OFC						25
Fishery		Feeding management in fish	1	OFC						25
Fishery		Fish seed production	1	OFC						25
Fishery		Integrated farming system	1	OFC						25
Fishery		Biologically weed management of pond for pisciculture	1	OFC						25
Fishery		Fish cum prawn culture	1	OFC						25
Fishery		Fish feed production in different ways	1	OFC						25
Fishery		Pond based farming system	1	OFC						25
Fishery		Fish seed production	1	OFC						25
Fishery		Multiple stocking and harvesting in fish	2	ONC						20
Animal Science		Dairy farming	1	OFC						25
Animal Science		Sheep & goat farming	1	OFC						25
Animal Science		Poultry farming	1	OFC						25
Animal Science		Fodder production for livestock nutrition	1	OFC						25
Animal Science		Feed management of dairy animal	1	OFC						25
Animal Science		Reproductive diseases of livestock & their management	1	OFC						25
Animal Science		Metabolic diseases of cattle and their nutritional management	1	OFC						25
Animal Science		Unconventional feed and fodder for livestock and management	1	OFC						25
Animal Science		Care and management of	1	OFC						25



		heifer , pregnant animal and new born calf								
Animal Science		Milk and milk product processing and marketing	1	OFC						25
Animal Science		Income generation through dairy farming	1	ONC						25
Animal Science		Income generation through sheep goat farming	1	ONC						25
Animal Science		New diagnostic techniques for livestock health management	2	OFC						20
Home Science		Vermicomposting from spent mushroom substrates	1	OFC						25
Home Science		Apiary for income generation	1	OFC						25
Home Science		Value added products making from oyster mushroom	1	OFC						25
Home Science		Women friendly implements for drudgery reduction	1	OFC						25
Home Science		Management of women SHGs	1	OFC						25
Home Science		Principles and practices of better marketing of agri producer	1	OFC						25
Home Science		Cultivation of paddy straw mushroom in agro shade net	1	OFC						25
Home Science		Management of nutritional garden in backyard	1	OFC						25
Home Science		Importance & requirement of daily nutrition for children	1	OFC						25
Home Science		Importance of nutrition for pregnant lactating women	1	OFC						25
Home Science		Oyster mushroom production	1	OFC						25
Home		Paddy straw	1	OFC						25



2.																	
3.																	
4.																	

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		Total
		M	F	T	SC/ST (% of total)	Male	Female	Total	Male	Female	
Field Day	15	418	82	450	27.2	16	2	18	334	44	378
Kisan Mela	1								500	112	612
KisanGhoshthi											
Exhibition	8	1820	680	2500	16.4	82	18	100			
Film Show	64	540	482	1022	40	8	2	10			
Method Demonstrations	5										
Farmers Seminar											
Workshop											
Group meetings	24			720							
Lectures delivered as resource persons	25			750							
Advisory Services	300	184	116	300							
Scientific visit to farmers field	180	350	200	550							
Farmers visit to KVK	980	845	135	980							
Diagnostic visits											
Exposure visits	5	62	8	70							
Ex-trainees Sammelan	2	35	15	50							
Soil health Camp	2	108	17	125	32	3	-	3	111	17	128
Animal Health Camp	4	99	11	110	16.7	4	-	4	103	11	114
Agri mobile clinic	1	60	-	60	25	-	-	-	60	-	60
Soil test campaigns	2	75	5	80	20	2	-	2	77	5	82
Farm Science Club Conveners meet	15	300	150	450	16	2	-	2	302	150	452
Self Help Group Conveners meetings	1	-	50	50	12	2	2	4	2	52	54

Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Celebration of important days (specify)	4	114	86	200	30	12	2	14	126	88	214
Sankalp Se Siddhi	-	-	-	-	-	-	-	-	-	-	-
Swatchta Hi Sewa	8	120	80	200	20	2	-	2	122	80	202
Mahila Kisan Divas	1	-	50	50	10	2	2	4	2	52	54
Any Other (Specify)											
<b>Total</b>											

### B. Other Extension activities

Nature of Extension Activity		No. of activities
Newspaper coverage		16
Radio talks		15
TV talks		7
Popular articles		5
Extension Literature		6
Other, if any	leaflet	2
	Booklet	8
	News letter	4

### 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
<b>Total</b>					

#### *KVK farm*

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided
Paddy	Swarna sub-1	550	1305200	-
Blackgram	PU-31	12	132960	-
Fish fingerling	IMC	78250 (NO)	96950	75

Fish yearling	IMC	0.19	3800	5
Azolla	A.pinnata	0.8	1600	33
<b>Grand Total</b>				

### Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided
<b>Vegetable seedlings</b>				
Cauliflower				
Cabbage				
Tomato				
Brinjal				
Chilli				
Onion				
Others (Drumstick,	PKM-1	450	2250	57
Pointed gourd	Swarna aloukik	1000	10000	8
<b>Fruits</b>				
Mango				
Guava				
Lime				
Papaya				
Banana				
Others				
Ornamental plants				
Medicinal and Aromatic				
Plantation				
Spices				
Turmeric				
Tuber				
Elephant yams				
Fodder crop saplings				
Forest Species				
Others, pl.specify				
<b>Total</b>				

### Production of Bio-Products

Name of product	Quantity	Value (Rs.)	No. of Farmers benefitted
	Kg		
Bio-fertilizers			
Bio-pesticide			
Bio-fungicide			
Bio-agents (Vermi culture)	23	11500	23
Others, please specify.			
<b>Total</b>	<b>23</b>	<b>11500</b>	<b>23</b>

## Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted
<b>Dairy animals</b>				
Cows				
Buffaloes				
Calves				
Others (Pl. specify) Azolla	A.pinnata	0.8	1600	33
<b>Small ruminants</b>				
Sheep				
Goat				
Other, please specify				
<b>Poultry</b>				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
<b>Piggery</b>				
Piglet				
Others (Pl. specify)				
<b>Fisheries</b>				
Fish fingerlings	IMC	78250 (N0)	96950	75
Spawn				
Others (Pl. specify) Yearling	IMC	0.19	3800	5
<b>Grand Total</b>			<b>102350</b>	<b>113</b>

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

i) Name of Seed Hub Centre: NA

Name of Nodal Officer :	
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 2017						
Rabi 2017-18						

Summer/Spring 2018						
--------------------	--	--	--	--	--	--

## iii) Financial Progress

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

## iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper				
Seminar/conference/ symposia papers				
Books				
Bulletins				
News letter	Nilachala Barta	KVK Puri	4	2000
Popular Articles	Milk product preparation from surplus milk	Scientist (A.Sc.)	1	Mass
Book Chapter				
Extension Pamphlets/ literature		KVK Puri	8	400
Technical reports	KVK reports	KVK Puri	22	22
Electronic Publication (CD/DVD etc)				
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.	Orientation programme at ATARI, Kolkata	Refresher course	Scientist (A.Sc.)	30.01.18 to 06.02.18	ATARI, Kolkata
2.			Scientist (Agril. Extn.)		
3.			Scientist (Agro.)		
4.			Scientist (H.Sc.)		
5.			Scientist (PP.)		

6.			Prog Asst.(Soil Sc.)		
7.	International conference of Extn.	Conference	Senior Scientist & Head Scientist (H.Sc.)	1.02.18 to 03.02.18	CIWA, ICAR
8		Principle & practices of management		05.03.18	DEE, OUAT
9	Workshop	Extn. Strategy for promotion of climate smart livelihood	Scientist (A.Sc.)	12.09.17 to 14.09.17	MANAGE, hydrabad
10	Seminar	Opportunity and challenges of translation research	Scientist (A.Sc.)	22.09.17 to 23.09.17	
11	Conference	Improving income of farmers through agriculture & aquaculture	Scientist (A.Sc.)	05.01.18 to 07.01.18	CIFA, BBSR
12	Training	Training on Mridapaskhyak	Prog.Asst(Soil.Sc.)	04.08.17	ATARI,Kolkata

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	Sri Sudarshan Barik
Address	Adangapada, Pipili,Puri, Odisha
Contact details (Phone, mobile, email Id)	8018705409
Landholding (in ha.)	1.2
Name and description of the farm/ enterprise	Paddy (Swarna) Pulse (Green gram) Mushroom (open method) Poultry (Local breed) Vermicomposting Pisciculture (IMC) Honey
Economic impact	Initial income- Rs.46300 Income after KVK intervention –Rs,75276 (62.5% Increase)
Social impact	Financial, Member of farmers' club
Environmental impact	
Horizontal/ Vertical spread	10%, 15%

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

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)
1	Paddy	0.8	37q/ha	1	N
2	Vegetables	1	180 q/ha	1	N

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

3.11. a. Details of equipment available in Soiland Water Testing Laboratory

Sl. No	Name of the Equipment	Qty.
1	Mridaparikshak mini kit	2

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			
366	40	406	1051	24	Nil

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	2	350	23	Sri S.Chandrasekhar Rao, DDA, Puri Sri Nabakishore Tad, DDH, Puri Sri Manoranjan Mishra, ADR,RRTTS, Coastal zone Mrs.Sasmita Pradhan Chaieman, Satyabadi Dhruba Charan Dash, Zilla parishad Pratap Nayak, Sarapanch, Sansandra	125	500

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

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 - NA

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

## 3.14. RAWE/ FETprogramme - is KVK involved? (Y/N)- NO

No of student trained	No of days stayed

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
04.11.17	Hon'ble VC, OUAT	Review
10.11.17	Director ATARI, Principal Sc,ATARI	Visit
17.11.17	Principal Sc,ATARI	Visit
05.12.17	Block Chairman	Visit
12.12.17	ADG, Extn ICAR, Principal Sc,ATARI	SAC meeting & CFLD field visit
19.12.17	Members of Niti Ayaga	KVK ranking , field 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)
Value addition of vegetable, fruits	20	60	500	2000
Apiary	20	30	Nil	800
Planting material production	20	5	600	3000

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
Saline tolerant variety Luna Subarna	
Submergence tolerant variety Swarna Sub-1	

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

## 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

<b>Entrepreneurship development</b>	
Name of the enterprise	Famer producer organisation
Name & complete address of the entrepreneur	<b>OMM SAI BABA MAHILA UTPADAK GOSTI,</b> <b>President: Smt. Gouripriya Mohapatra</b> <b>Village:Nuasahi</b> <b>Block: Nimapada</b>
Role of KVK with quantitative data support:	<b>KVK Intervention:</b> <ul style="list-style-type: none"> <li>➤ Group meetings (6 nos),</li> <li>➤ Motivated the interested members of different SHGs to form FPO</li> <li>➤ Imarted training (Honey bee, Value added products, Mushroom)</li> <li>➤ Linkage (OLM, DSMS, CDB, DIC, MSME, CIWA, F&amp;N Board, GoI, Dept of Horticulture)</li> <li>➤ Food licensing</li> <li>➤ Project Prepared by KVK</li> <li>➤ Loan sanctioned- (KVIC): Rs.3000000</li> <li>➤ Market Linkage (ORMAS exhibitions, fairs, reliance fresh)</li> </ul>
Timeline of the entrepreneurship development	<b>KVK Intervention:</b> <ul style="list-style-type: none"> <li>➤ Group meetings (6 nos),</li> <li>➤ Motivated the interested members of different SHGs to form FPO</li> <li>➤ Imarted training (Honey bee, Value added products, Mushroom)</li> <li>➤ Linkage (OLM, DSMS, CDB, DIC, MSME, CIWA, F&amp;N Board, GoI, Dept of Horticulture)</li> <li>➤ Food licensing</li> <li>➤ Project Prepared by KVK</li> <li>➤ Loan sanctioned- (KVIC): Rs.3000000</li> <li>➤ Market Linkage (ORMAS exhibitions, fairs, reliance fresh)</li> </ul>
Technical Components of the Enterprise	3 years
Status of entrepreneur before and after the enterprise	Initial Status: Rs 50000 balance, 10 member Members of WSHGs involved in no economic activities Product: <ul style="list-style-type: none"> <li>✓ Virgin coconut oil</li> <li>✓ Honey</li> <li>✓ Value added products <ul style="list-style-type: none"> <li>▪ Fruit squash</li> <li>▪ Sauce / Puree</li> <li>▪ Pickles</li> <li>▪ Dehydrated products</li> </ul> </li> </ul>

Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. ( Economic viability of the enterprise):	Present status: Balance 35Lakh, 150 members Future Prospects: ➤ Food processing Industry (Coconut desiccated fibers, Packaged Coconut water) ➤ 1000 members ➤ Network marketing Employment generation
Horizontal spread of enterprise	➤ Linkage (OLM, DSMS, CDB, DIC, MSME, CIWA, F&N Board, GoI, Dept of Horticulture) ➤ Food licensing ➤ Field day, Exhibitions

4.6. Any other initiative taken by the KVK- NA

## 5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
OLM, DSMS, CDB, DIC, MSME, CIWA, F&N Board, GoI, Dept of Horticulture, Agriculture, Fishery, Animal Husbandry, CARI, CROP PRODUCTIONDO- ICAR, IRRI, CSISA, RKVY, Reliance foundation, AIR, DD	Project proposal, Exhibition, Inputs, Exposure visit, Financial linkage for entrepreneurship development, resource person, Head to Head trial, Infrastructure development, Technical support, Advisory, Mass dissemination of technology

5.2. List of special programmes undertaken during 2017-18 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies (**information of previous years should not be provided**)

a) Programmes for infrastructure development

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
World Soil Health Day	Awareness	05.12.17	ICAR	80000
Live web telecast of Hon'ble PM, GOI	Awareness	17.03.18	ICAR	50000

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

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

## 6. PERFORMANCE OF INFRASTRUCTURE IN KVK - NA

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.									
2.									
3.									
4.									
5.									
6.									
7.									
	Total								

## 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	
Watermelon	17.02.18	27.04.18	0.6	F1-Ichiban gold	Fruit	7Qn		5680	
Cucumber	19.02.18	11.04.18 to 21.04.18	0.3Ac	Supriya	Vegetable	1.2Qn		1200	
Pumpkin	13.02.18	29.04.18 to 21.05.18	1 Ac	Guamal	Vegetable	10.3Qn		10200 (Approx)	
Bitter gourd	21.02.18	15.04.18 to 21.05.18	0.1Ac	Nakhara (Improved)	Vegetable	0.5Qn		600	

## 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.	Vermiculture	23	1400	11500	

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Fingerling & yearling	IMC	Seed	78250 No + 0.19q	40000	96950	
2.	Azolla	A.pinata	Seed	0,8q	800	1600	
3.							

## 6.5. Utilization of hostel facilities - NA

Accommodation available (No. of beds)

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 staff quarters:

Date of completion:

Occupancy details:

Months	Q I	Q II	Q III	Q IV	Q V	Q VI

### 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

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

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	
Groundnut		425000		366098	58902
Sunflower		60000		47579	12421
				Total	71323

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

Item	Budget Provision by ICAR		Expenditure		Unspent balance as on 1 <sup>st</sup> April 2013
	Kharif	Rabi	Kharif	Rabi	
Greengram		225000		183629	41371
Blachgram		225000 <b>(Budget Not Received)</b>		170288	54712

#### 7.4. Utilization of KVK funds during the year 2017-18(Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	91,50,000	91,50,000	
2	Traveling allowances	1,50,000	1,50,000	
3	Contingencies			
A	OE & POL	5,60,000	5,60,288	
B	Training, Meals, Training IS, Training RY	4,20,000	5,06,595	
C	FLD	2,80,000	2,33,253	
D	OFT	1,40,000	98,664	

E				
F				
G				
H				
I				
J	Swatchta Expenditure			
TOTAL (A)		1,07,00,000	15,48,800	15,48,800
B. Non-Recurring Contingencies				
1	Office equipment, furniture &	3,00,000	3,00,000	246984
2	Maintenance of pond(Renovation)	2,00,000	2,00,000	2,00,000
3				
4				
TOTAL (B)			20,48,800	20,48,800
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 1 <sup>st</sup> April	Income during the year	Expenditure during the year	Net balance in hand as on 1 <sup>st</sup> April of each year (Kind + cash)
2015-16	4,45,528	2,14,702.00	6,59,415.75	814.25
2016-17	814.25	15,12,310.75	14,89,377.50	23747.50
2017-18	O.B-23747.50 Loan DEE+ 2,00,000	14,13,226	768915.99	4,22,717 (Loan for pulse and world soil day) 4,00,000 (DEE profit & loan amount) Closing Balance :46230.01

7.6. (i) Number of SHGs formed by KVKs- 2

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities- 6(Mushroom,Apiary, Value addition, Fishery, Poultry)

(iii) Details of marketing channels created for the SHGs- OLM, DIC, MSME,

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both
World Soil Health Day	1	Rabi			√
World Metrological Day	1	Rabi			√
Live Web Telecast of Hon'ble PM	1	Rabi			√
Gram Swaraj Abhiyan- Krushi Kalyan Diwas	1	Rabi			√

8. Other information

8.1. Prevalent diseases in Crops - No reporting in the operational area

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- No reporting in the operational area

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 Yuva Kendra(NYK) Training: -NA

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

## 9.2. PPV &amp; 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. mKisanPortal (National Farmers' Portal/ SMSPortal)

Type of message	No. of messages	No. of farmers covered
Crop	18	72345
Livestock	6	72345
Fishery	4	72345
Weather	2	72345
Marketing	2	72345
Awareness	4	72345
Training information	0	72345
Other	5	72345
<b>Total</b>	41	72345

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

#### 9.5. a. Observation of Swacha Bharat Programme

Date of Observation	Activities undertaken

#### b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	1	
2. Basic maintenance		
3. Sanitation and SBM	12	
4. Cleaning and beautification of surrounding areas	12	
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	1	
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)		
<b>Total</b>		

## 9.6. Observation of National Science day - NA

Date of Observation	Activities undertaken

## 9.7. Programme with Seema Suraksha Bal (BSF) - No

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 'Sankalp Se Siddhi' Programme – Not organized

Date of programme	No. of Union Ministers attended the programme	No. of Hon'ble MPs (Loksabha/Rajyasabha) participated	No. of State Govt. Ministers	Participants (No.)							Coverage by Door Darsan (Yes/No)	Coverage by other channels (Number)
				MLAs Attended the programme	Chairman ZilaPanchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total		

## 9.10. Details of Swachhta Hi Sewa programme organized -NA

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

## 9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	1	2	60	2	AHO, Pipili CDVO, Puri

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

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1.	Sri Sudarshan Barik	Adangapada, Pipili	Mushroom & Fishery & Poultry
2.	Sri Biswanath Choudhuri	Gadatorihan, Nimapada	Goat,
3.	Sri Debashis Mohanty	Gopalpur, Nimapada	Fish Seed
4.	Sri Bhagirathi Barik	Dalabhanapur, Nimapada	High Value crops
5.	Sri Banshidhara Dalei	Othaka, Kakatpur	Dairy
6.	Sri Jayram Das	Othaka, Kakatpur	Betelvine
7.	Sri Sushant Satpathy	Jaypur, Satyabadi	Paddy seed
8.	Miss, Krushna Das	Gualigorada, Satyabadi	IFS
9.	Sri Dilip Bral	Resinga, Nimapada	Seed production(Paddy, Pulse)
10.	Mrs. Gouripriya Mohapatra	Nuasahi, Nimapada	FPO
11.	Sri Kailash Ch.Sahoo	Subarnapur, Gop	Fish seed
12.	Sri Santosh Jena	Jadupur , Krushnaprasad	Poultry, Organic vegetable
13.	Sri Kailash Pradhan	Naiguan, Puri	IFS

## 9.13.HRD programmes attended by KVK person

Training programme/ Seminar/ Symposia/ Workshop etc attended	Duration	Name of the participants	Designation	Organizer of the training Programme
Orientation programme at ATARI,Kolkata	30.01.18 to 06.02.18	Dr. S Ranabijuli Dr. S. Paramaguru  Sri. S.Taria Dr.J.Udgata Sri.S.Baral Dr.P.Majhi	Scientist (A.Sc.) Scientist (Agril. Extn.) Scientist (Agro.) Scientist (H.Sc.) Scientist (PP.) Prog Asst.(Soil Sc.)	ATARI,Kolkata
International conference of Extn.	1.02.18 to 03.02.18	Dr.S.Mohanty  Dr.J.Udgata	Senior Scientist & Head Scientist (H.Sc.)	CIWA, ICAR
Principle & practices of management	05.03.18	Dr.S.Mohanty	Senior Scientist & Head	DEE, OUAT
Workshop Extn. Strategy for promotion	12.09.17 to 14.09.17	Dr. S Ranabijuli	Scientist (A.Sc.)	MANAGE, hydrabad

of climate smart livelihood					
Seminar Opportunity and challenges of translation research	22.09.17 to 23.09.17	Dr. S Ranabijuli	Scientist (A.Sc.)		
Conference Improving income of farmers through agriculture & aquaculture	05.01.18 to 07.01.18	Dr. S Ranabijuli	Scientist (A.Sc.)	CIFA, BBSR	
Training Training on Mridapaskhyak	04.08.17	Dr. S Ranabijuli	Prog.Asst(Soil.Sc.)	ATARI,Kolkata	

## 9.14. Revenue generation - NA

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

## 9.15. Resource Generation: NA

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

## 9.16. Performance of Automatic Weather Station in KVK - NA

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning

## 9.17. 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

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

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

	Title	Objective	Treatment details	Date of sowing	Replication	Result with photographs
Experiment 1						
Experiment 2						
Experiment 3						
...						
..						

Others (If any)						
-----------------	--	--	--	--	--	--

## 11. Details of TSP - NA

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

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

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

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

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

## d. Location and Beneficiary Details during 2017-18

District	Sub-district	No. of Village covered	Name of village(s) covered	ST population benefitted (No.)		
				M	F	T

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

## Natural Resource Management

Name of intervention undertaken	Numbers under	No of	Area (ha)	No of farmers	Remarks

	taken	units		covered / benefitted	

### Crop Management

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted	Remarks

### Livestock and fisheries

Name of intervention undertaken	Number of animal covered	Number of units	Area (ha)	No of farmers covered / benefitted	Remarks

### Institutional interventions

Name of intervention undertaken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks

### Capacity building

Thematic area	No. of Courses	No. of beneficiaries		
		Males	Females	Total

### Extension activities

Thematic area	No. of activities	No. of beneficiaries		
		Males	Females	Total

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	<b>Best presentation</b>	2017	ATARI	-	<b>24<sup>th</sup> zonal</b>

	<b>award during the 24<sup>th</sup> zonal workshop held at Burhanpur, MP</b>				<b>workshop</b>
--	--	--	--	--	-----------------

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1	Progressive farmer	<b>Sri. Babuli Parida Adhangapada, Pipili</b>	2017	OUAT		Foundation Day
2	Progressive farmer	<b>Miss. Krushna Dash Gualigorada, Nimapada</b>	2017	OUAT		Foundation Day

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

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

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 the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1					
2					

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

Phase	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
	Total no. of villages	Total no. of farmers	Date of formation	Name of members	

I (up-to 15.03.2018)					
II (up-to 24.04.218)					
Total					

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

Sl. No.	Name of the programme	Date of the programme	Venue	Purpose	No. of participants