ANNUAL REPORT
2019
(January-December 2019)

KRISHI VIGYAN KENDRA, DEOGARH

Odisha University of Agriculture and Technology

PROFORMA FOR ANNUAL REPORT 2019 (January-December 2019)

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, Deogarh Near Horticulture Farm, At/Po-Purunagarh, Dist-Deogarh, Pin-768119	06641-226123/ 226122	-	kvkdeogarh.ouat@gmail.com deogarhkvk@yahoo.com

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

Address	Telephone		E mail
	Office	FAX	
Odisha University of Agriculture & Technology, Bhubaneswar	0674-2562509	-	deanextension_ouat@rediffmail.com deanextensionouat@yahoo.com deanee@ouat.nic.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Sujit Ku. Nath	Deogarh	9437360866	kvkdeogarh.ouat@gmail.com

1.4. Year of sanction of KVK: 2006

1.5. Staff Position (**as on 1st January, 2019**)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist & Head	Dr. Sujit Ku. Nath	Senior Scientist & Head	Agriculture Extension	22320-39100 AGP- 8000	17.05.2018	Permanent	General
2	Subject Matter Specialist	Sri Laba Soren	Scientist	Plant Protection	15600 – 39100 AGP-6000	24.12.2009	Permanent	ST
3	Subject Matter Specialist	Sri Sabyasachi Sahoo	Subject Matter Specialist	Agronomy	15600 – 39100 AGP-5400	18.07.2018	Contractual	General
4	Subject Matter Specialist	Miss Sadhana Swastika	Subject Matter Specialist	Horticulture	15600 – 39100 AGP-5400	06.03.2019	Contractual	ST
5	Subject Matter Specialist	Vacant						
6	Subject Matter Specialist	Vacant						
7	Subject Matter Specialist	Vacant						
8	Programme Assistant	Sri Chinmaya Mishra	Programme Asst.(Soil Sc.)	Soil Science	9300 – 34800 AGP-4200	28.12.2015	Contractual	General
9	Computer Programmer	Sri Biswajit Pradhan	Programme Asst.(Computer)	Computer	9300 – 34800 AGP-4200	21.07.2014	Permanent	OBC
10	Farm Manager	Sri Mohan Murmu	Farm Manager	Ag. Engineeing	9300 – 34800 AGP-4200	11.02.2019	Contractual	ST
11	Accountant / Superintendent	Vacant		-				
12	Stenographer	Sri Benudhar Moharana	Steno cum Computer operator	-	5200-20200 GP-2400	11.10.2006	Contractual	Others
13.	Driver	Sri Ugreswara Pati	Driver cum Mechanic	-	5200-20200 GP-1900	19.10.2016	Contractual	Others
14.	Driver	Sri Akrura Mohapatra	Driver cum Mechanic	-	5200-20200 GP-1900	22.05.2018	Contractual	SC
15.	Supporting staff	Sri Raghu Senapati	Peon cum Watchman	-	4750-14680 GP-1700	31.07.2008	Contractual	Others
16.	Supporting staff	Vacant						

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.0
2.	Under Demonstration Units	1.0
3.	Under Crops	4.0
4.	Orchard/Agro-forestry	2.0
5.	Others with details(Rain water harvesting structure)	0.4
	Unbunded cultivable land	7.0
	Forest land	4.6
	Total	**20.0**

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					Totally completed	303.23	Use	ICAR
2.	Farmers Hostel					Totally completed	329.06	Use	ICAR
3.	Staff Quarters (6)					Totally completed	421.59	Use	ICAR
4.	Piggery unit								
5	Fencing								RKVY
6	Rain Water harvesting structure							Not functioning	RKVY
7	Threshing floor					Totally completed	222.96	Use	RKVY
8	Farm godown					Totally completed	46.45	Use	ICAR
9.	Dairy unit								

10.	Poultry unit					Totally completed		Use	RKVY
11.	Goatary unit								
12.	Mushroom Lab					Totally completed	6.87	Use	RKVY
13.	Mushroom production unit								
14.	Shade house					Totally completed	18.58	Use	RKVY
15.	Soil test Lab					Totally completed	92.90	Use	ICAR
16	Others, Please Specify					Totally completed			RKVY

* 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
Mahindra Bolero	2017	8,00,000/-	47081	Good
Mahindra Tractor	2006	4,75,000/-	659.6 hrs	Good
Hero Honda Passion	2010	45,945/-	52810	Good

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Drying cabinet	2018	19425.00	Good	ICAR
Decanter glass bottle with cap, 500 ml	2018	1262.00	Good	ICAR
ABBE refractometer	2018	14805.00	Good	ICAR
Crown cap sealing machine	2018	5985.00	Good	ICAR
Vacuum sealing machine	2018	1942.50	Good	ICAR
Electric motor operated pulse thresher	2018	84375.00	Good	ICAR
DE-stoner	2018	152287.00	Good	ICAR
Platform OE scale	2018	11328.00	Good	ICAR
Digital balance	2018	9971.00	Good	ICAR

Moisture meter for pulse	2018	16756.00	Good	ICAR
Portable back stitching machine	2018	7616.00	Good	ICAR
Sealing machine	2018	3186.00	Good	ICAR
Sampling trier(2.5cm dia)	2018	4130.00	Good	ICAR
Sampling trier(1.25cm dia)	2018	3186.00	Good	ICAR
Seed divider	2018	15930.00	Good	ICAR
Plastic carates	2018	9676.00	Good	ICAR
Fumigation cover	2018	7788.00	Good	ICAR
Dunnage material	2018	51861.00	Good	ICAR
Fire extinguisher	2018	10620.00	Good	ICAR
PE sheet	2018	10416.00	Good	ICAR
Seed processing unit with gravity separator	2018	1099674.00	Good	ICAR
b. Farm machinery				
Power Tiller	2017	155597.00	Good	ICAR
Brush cutter	2017	15999.00	Good	ICAR
Chain saw	2016	18000.00	Good	ICAR
c. AV aids				
Canon DSLR camera	2018	50000.00	Good condition	ICAR
LG LED 43 Inch Smart	2018	44500.00	Good condition	ICAR
UPS(V GUARD)	2018	2120.00	Good condition	ICAR
Desktop computer	2018	108000.00	Good condition	ICAR
Chairman unit microphone	2019	7400.00	Good condition	ICAR
Delegate unit microphone	2019	92680.00	Good condition	ICAR
Conference system amplifier	2019	21020.00	Good condition	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Sprayer	2017	4410.00	Good	ICAR
Digger	2017	48300.00	Good	ICAR
Disc Plough	2017	25000.00	Good	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	13.03.2018	25	Integrated farming system should be popularized	The programme has been taken with collaboration with line departments in Rajamunda village	
			Animal health camp should be organised	The programme will be taken during this March 2018	
			Training programme should be organised on Apiculture	The training programme has been conducted for 10 rural youths for entrepreneurship development.	
			To make identity of fishery science in the district with convergence of line departments activities	The programme has been taken in convergence mode with line departments	
			To make KVK as model E-KVK for instant access by the farmers of the district as and when required.	Advisories on agriculture and allied sector were sent by KVK on different problems of farmers and different interventions taken were uploaded in website.	
2	18.11.2019	25	Integrated farming system should be popularized	Integrated farming system was popularized in villages like Brahmanipali, Nuadihi, and Khilei in collaboration with the line departments	
			Popularisation of BPH tolerant paddy variety	BPH tolerant paddy variety Hasanta was tested in the district.	
			Training programme should be organised on Apiculture	A training programme was organised on Apiculture for its popularisation in the district.	
			Kharif tomato area and quality should be increased.	OFT on off-season tomato was taken on IIHR released varieties.	
			Quality of litchi be improved	FLD on Zn & B application in litchi has already been tested.	
			Advisories on agriculture and allied sector should be sent by KVK	KVK sent KMAs to 12435 nos. of farmers of our district regarding different problems of agriculture and allied sectors.	

** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

PROCEEDINGS OF THE 14TH SCIENTIFIC ADVISORY COMMITTEE MEETING OF KRISHI VIGYAN KENDRA, DEOGARH

The 14th Scientific Advisory Committee (SAC) meeting of KVK, Deogarh was held at 11 AM on 13.03.2019 in the training Hall of KVK under the Chairmanship of Dr. Hemanta Kumar Sahoo , Joint Director, Directorate of Extension Education, OUAT, Bhubaneswar .

After a brief welcome to the respected members and dignitaries by Dr. Sujit Kumar Nath, Senior Scientist & Head, KVK, Deogarh the Chief Guest Sri Punam Vincent Ekka, Project Director, DRDA, Deogarh inaugurated the meeting by lighting the lamp.

After a brief introductory remark about the mandates and functioning of the KVK, the chairman asked the Senior Scientist and Head to present the proceedings as per the agenda.

Agenda 1: Approval of the proceedings of last SAC meeting

The Senior Scientist and Head stated that the proceeding of the last SAC meeting was circulated to all the members. He also presented the proceedings in brief. The Chairman taking the consent of the members approved the proceedings.

Agenda 2 : Action taken on the proceedings of the last SAC meeting.

The Senior Scientist and Head presented the following actions taken on the recommendations of last meeting.

Sl. No	Recommendation	Action taken
1	Integrated farming system should be popularized	Integrated farming system was popularized in villages like Brahmanipali, Nuadihi and Khilei in collaboration with line departments.
2	Popularisation of BPH tolerant paddy variety	BPH tolerant paddy variety Hasanta was tested in the district.
3	Training programme should be organised on Apiculture	A training programme was organised on Apiculture for its popularisation in the district.
4	Kharif tomato area and quality should be increased	OFT on off-season tomato was taken on IIHR released varieties.
5	Advisories on agriculture and allied sector should be sent by KVK	Advisories on agriculture and allied sector were sent by KVK on different problems of farmers and different interventions taken were uploaded in website.
6	Quality of litchi be improved	FLD on Zn & B application in litchi has already been tested.
7	Advisories on agriculture and allied sector should be sent by KVK	KVK sent KMAs to 11652 nos of. farmers of our district regarding different problems of Agriculture and allied sectors.

Agenda 3: Achievements during the year 2018-19

The Senior Scientist & Head presented the achievements made by KVK during 2018-19.

i) **On Farm Testing:** Results of 6 OFTs conducted involving 40 farmers during the period to solve location specific problems were presented by the Senior Scientist and Head. An OFT was taken on assessment of different varieties of sesame in kharif season, where two numbers of varieties of sesame GT_{10} and Amrit were taken. In case of GT_{10} yield was increased 47.36% over FP and in case of var. Amrit yield was increased upto 26.31%.An OFT was taken on assessment of different date of sowing on productivity of summer Green gram, where incase of date of sowing, 2nd fortnight of January yield increased upto 33.3% and incase of date of sowing, 1st fortnight of February yield increased up to 27.8%.Incase of assessment of BPH tolerance paddy variety Hasanta, two no.s of paddy varieties were taken. In case of paddy variety Pratikhya yield increased upto 23.12% over FP and incase of var. Hasanta yield increased upto 40.17% over FP. In case of Assessment of different tomato varieties in late kharif season two no.s of IIHR released wilt resistant var. Arka Rakshak and Arka Samrat were taken, in case of Arka Rakshak yield increased up to 28% over FP and in var. Arka Samrat yield increased up to 26.4% over FP. In the OFT assessment of management of sucking pest (aphids) in cowpea foliar spraying with Imidachloprid 17.8 SL @ 0.5ml/lit and foliar spraying with Flonicamid 50%WG @ 0.4g/lit along with yellow sticky trap @ 50 nos./ha were taken. In first case yield increased 20.7% over FP and in second case yield increased 29.5% over FP.

ii) **Frontline Demonstrations:** Results were presented on 10 FLDs conducted during 2018-19 involving 100 farmers in participatory mode. In demonstration of herbicide application (Bensulfuron 0.6% + Pretilachlor 6% @ 660 gm/ha) at 3 DAT in transplanted rice yield increased 23.39% over FP. In demonstration of management of YSB in rice, (Soil application of Cartap hydrochloride 4G @ 20kg/ha followed by two spraying of Triazophos 35% EC + Deltamethrin 1% EC at 10 days interval) was done and yield was increased 21.2 % over FP. In integrated nutrient management in mustard Application (soil test based (N2:P2O5:K2O 34.5:14.25:14.25 kg/ha) and application of FYM @ 2t/ha, use of bio fertilizers (Azotobacter , Azospirillum and PSB in 1:1:1 each @ 4Kg/ha at the time of sowing and application of 30 kg S/ha) as basal was done and yield increased 26.51% over FP. In integrated weed management practices in groundnut (Pendimethalin (1kg a.i /ha. as pre-emergence), Imazethepyrin (0.15 kg a.i /ha 10 DAS) and 2 Hand Weeding 21 and 45 DAS) was done and the yield increased upto 27.4% over FP. In demonstration of rhizobium culture in greengram (Seed treatment with rhizobium @ 20gm/kg of seed and recommended dose fertilizer 20:40:20 in the form of Urea, DAP and MOP) was done and the yield increased 34.2% over FP. In demonstration on management in thrips in watermelon (Application of Thiomethoxam 25% WG @ 0.6g/lit along with installation of 50 nos. of blue sticky trap 50 nos./ ha at the time of appearance from vegetative to flowering stage) was done and the yield was increased upto 27.18% over FP. In demonstration on organic farming in brinjal (Use of Organics along with Bio-fertilizers like FYM + (Azospirillum + Azatobacter + PSB) @ 4 Kg/ha each after mixing with 10-25 times FYM incubating for 48 hours at the time of land preparation. Use of Trichocard @ 50 nos. & Pheromone traps @ 20 nos./ha to control fruit & shoot borer) was done and the yield increased 18.6% over FP. In demonstration of sulphur application in chilli (STB recommendation for NPK and Sulphur (Basal Application @ Bentonite Sulphur 30 kg ha-1) yield increased upto 30.76% over FP. In demonstration on INM in Litchi (STB recommendation for NPK and foliar application of ZnSO4 @ 0.5% & borax 0.2% at the time of fruit setting) was done and the yield increased upto 19.04% over FP.

iii) **Training:** KVK imparted 40 training programmes for capacity building of 1200 practising farmers and farm women, 5 no. of rural youth training for 100 rural youths, 5 no. of extension functionaries training for 75 extension functionaries, 3 no. of vocational training to 30 entrepreneurs imparted for skill & knowledge development during the reporting period.

iv) Other Extension Activities: KVK has also organized 258 other extension activities during 2018-19 for dissemination of technologies.

Agenda 4: Action Plan for 2019-20

The Senior Scientist and Head placed the Action Plan for the year 2019-20. Detail discussions were made on the action plan and following action points suggested.

1. The Chief Guest suggested to popularize integrated farming system for income generation of farming community.
2. The CDVO suggested to organize animal heath camp with collaboration with KVK in its operational areas.
3. ADH suggested to impart honeybee training for popularization of Apiculture in the district.
4. District Fishery Officer suggested to make fishery science popular in the district with convergence of line departments activities.
5. Farmers representative suggested to make KVK as model of e-KVK for instant access by the farmers of the district as and when required.

Agenda 5: Constraints of the KVK :

The Senior Scientist and Head presented the constraints faced by the KVK for smooth implementation of KVK activities.

i) Delaying in filling-up of the post of scientists and section officer affects the technical and administrative work of the KVK.

The Project Director, DRDA, Deogarh suggested Agriculture, Horticulture, Animal Husbandry and Fishery departments of the district should liaison with KVK for technology transfer to make Deogarh a model district and also suggested the new technologies should be published in KVK newsletter & other mass media for dissemination in farming community. He also emphasized to promote integrated farming system.

The Chairman in his presidential remarks thanked all the members and special invitees & urged cooperation from all line departments for benefit of farming community of the district and concluded declaring closing of the 14th SAC meeting, KVK, Deogarh.

Sri Chinmay Mishra, PA (Soil Science) gave the vote of thanks.

Senior Scientist and Head
Member secretary of SAC meeting

Dean Extension Education
OUAT, Bhubaneswar, Chairman of SAC meeting

LIST OF 14th SCIENTIFIC ADVISORY COMMITTEE MEMBERS OF KVK, DEOGARH 2019-20

Sl. No.	Name	Designation & Address
1	Dr. H.K. Sahoo	Joint Director, Dean Extension Education, OUAT, Bhubaneswar & Chairman, SAC meeting
2	Sri. P. Vimsent Ekka	PD, DRDA, Chief Guest
3	Sri Debesh Behera	AGM, MABARD, Sambalpur
4	Sri K. K. Mahalinga	ADH, Deogarh, Member
5	Sri Prasant Ku Sahu	DDA, Deogarh, Member
6	Sri Krushna Chandra Pradhan	PD Watershed,Deogarh, Member
7	Sri, Arshu Tudu	DSWO, Deogarh, Member
8	Sri Haladhara Mahananda	D.W.O, Member
9	Sri Sammer Ku Sahu	ADVO, Deogarh, Member
10	Dr. S. K. Ghosh	Nodal officer, CDVO office, Member
11	Sri Arun Ku Sahu	AFO, Deogarh, Member
12	Sri Sachidananda Dalai	AEE, OLIC, Deogarh, Member
13	Sri Pintu Pradhan	JE(M), OLIC, Deogarh, Member
14	Sri Sanjay Ku Behera	AEE, MI, Deogarh, Member
15	Sri Barada Sankar Mitra	Project Manager, OPELIP, PBDA, Rugudakudar, Member
16	Sri F. M. Rath	STA, Sericulture, Deogarh, Member
17	Sri C.S. Pradhan	RSETI, Deogarh, Member
18	Smt. Rina Dwibedy	Progressive farmer, Palkudar, Member
19	Dr. Narom Ramu	SMS(Agronomy), KVK, Keonjhar, Member
20	Dr. S. K. Sahoo	SS& H, KVK, Keonjhar, Member
21	Dr. Lipsa Dash	Scinentist(Animal Sc.), KVK, Keonjhar
22	Sri Gandur Minz	Progressive farmer, Kalchipadadihi, **Member**
23	Sri Babaji Behera	Progressive farmer, Kirtanpali, **Member**
24	Krushna Sundar Dash	Social mobiliser OPELIP, Member

PROCEEDINGS OF THE 15TH SCIENTIFIC ADVISORY COMMITTEE MEETING OF KRISHI VIGYAN KENDRA, DEOGARH

The 15th Scientific Advisory Committee (SAC) meeting of KVK, Deogarh was held at 3.30 PM on 18.11.2019 in the training Hall of KVK under the Chairmanship of Dr. Mahamaya Prasad Nayak, Joint Director, Directorate of Extension Education, OUAT, Bhubaneswar .

After a brief welcome to the respected members and dignitaries by Dr. Sujit Kumar Nath, Senior Scientist & Head, KVK, Deogarh the Chief Guest Sri Punam Vincent Ekka, Project Director, DRDA, Deogarh inaugurated the meeting by lighting the lamp.

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2	Popularisation of BPH tolerant paddy variety	BPH tolerant paddy variety Hasanta was tested in the district.
3	Training programme should be organised on Apiculture	A training programme was organised on Apiculture for its popularisation in the district.
4	Kharif tomato area and quality should be increased	OFT on off-season tomato was taken on IIHR released varieties.
5	Advisories on agriculture and allied sector should be sent by KVK	Advisories on agriculture and allied sector were sent by KVK on different problems of farmers and different interventions taken were uploaded in website.
6	Quality of litchi be improved	FLD on Zn & B application in litchi has already been tested.
7	Advisories on agriculture and allied sector should be sent by KVK	KVK sent KMAs to 11652 nos of. farmers of our district regarding different problems of Agriculture and allied sectors.

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vi) **Frontline Demonstrations:** Results were presented on 10 FLDs conducted during 2018-19 involving 100 farmers in participatory mode. In demonstration of herbicide application (Bensulfuron 0.6% + Pretilachlor 6% @ 660 gm/ha) at 3 DAT in transplanted rice yield increased 23.39% over FP. In demonstration of management of YSB in rice, (Soil application of Cartap hydrochloride 4G @ 20kg/ha followed by two spraying of Triazophos 35% EC + Deltamethrin 1% EC at 10 days interval) was done and yield was increased 21.2 % over FP. In integrated nutrient management in mustard Application (soil test based (N2:P2O5:K2O 34.5:14.25:14.25 kg/ha) and application of FYM @ 2t/ha, use of bio fertilizers (Azotobacter , Azospirillum and PSB in 1:1:1 each @ 4Kg/ha at the time of sowing and application of 30 kg S/ha) as basal was done and yield increased 26.51% over FP. In integrated weed management practices in groundnut (Pendimethalin (1kg a.i /ha. as pre-emergence), Imazethepyrin (0.15 kg a.i /ha 10 DAS) and 2 Hand Weeding 21 and 45 DAS) was done and the yield increased upto 27.4% over FP. In demonstration of rhizobium culture in greengram (Seed treatment with rhizobium @ 20gm/kg of seed and recommended dose fertilizer 20:40:20 in the form of Urea, DAP and MOP) was done and the yield increased 34.2% over FP. In demonstration on management in thrips in watermelon (Application of Thiomethoxam 25% WG @ 0.6g/lit along with installation of 50 nos. of blue sticky trap 50 nos./ ha at the time of appearance from vegetative to flowering stage) was done and the yield was increased upto 27.18% over FP. In demonstration on organic farming in brinjal (Use of Organics along with Bio-fertilizers like FYM + (Azospirillum + Azatobacter + PSB) @ 4 Kg/ha each after mixing with 10-25 times FYM incubating for 48 hours at the time of land preparation. Use of Trichocard @ 50 nos. & Pheromone traps @ 20 nos./ha to control fruit & shoot borer) was done and the yield increased 18.6% over FP. In demonstration of sulphur application in chilli (STB recommendation for NPK and Sulphur (Basal Application @ Bentonite Sulphur 30 kg ha-1) yield increased upto 30.76% over FP. In demonstration on INM in Litchi (STB recommendation for NPK and foliar application of ZnSO4 @ 0.5% & borax 0.2% at the time of fruit setting) was done and the yield increased upto 19.04% over FP.

vii) **Training:** KVK imparted 40 training programmes for capacity building of 1200 practising farmers and farm women, 5 no. of rural youth training for 100 rural youths, 5 no. of extension functionaries training for 75 extension functionaries, 3 no. of vocational training to 30 entrepreneurs imparted for skill & knowledge development during the reporting period.

viii) Other Extension Activities: KVK has also organized 258 other extension activities during 2018-19 for dissemination of technologies.

Agenda 4: Action Plan for 2019-20

The Senior Scientist and Head placed the Action Plan for the year 2019-20. Detail discussions were made on the action plan and following action points suggested.

6. The Chief Guest suggested to popularize integrated farming system for income generation of farming community.
7. The CDVO suggested to organize animal heath camp with collaboration with KVK in its operational areas.
8. ADH suggested to impart honeybee training for popularization of Apiculture in the district.
9. District Fishery Officer suggested to make fishery science popular in the district with convergence of line departments activities.
10. Farmers representative suggested to make KVK as model of e-KVK for instant access by the farmers of the district as and when required.

Agenda 5: Constraints of the KVK :

The Senior Scientist and Head presented the constraints faced by the KVK for smooth implementation of KVK activities.

ii) Delaying in filling-up of the post of scientists and section officer affects the technical and administrative work of the KVK.

The Project Director, DRDA, Deogarh suggested Agriculture, Horticulture, Animal Husbandry and Fishery departments of the district should liaison with KVK for technology transfer to make Deogarh a model district and also suggested the new technologies should be published in KVK newsletter & other mass media for dissemination in farming community. He also emphasized to promote integrated farming system.

The Chairman in his presidential remarks thanked all the members and special invitees & urged cooperation from all line departments for benefit of farming community of the district and concluded declaring closing of the 14th SAC meeting, KVK, Deogarh.

Sri Chinmay Mishra, PA (Soil Science) gave the vote of thanks.

Senior Scientist and Head
Member secretary of SAC meeting

Dean Extension Education
OUAT, Bhubaneswar, Chairman of SAC meeting

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Sl. No.	Name	Designation & Address
1	Dr. M. P. Nayak	Joint Director, Dean Extension Education, OUAT, Bhubaneswar & Chairman, SAC meeting
2	Dr. S. K. Mandal	Principal Scientist, ATARI, Member
3	Sri. P. Vinsent Ekka	PD, DRDA, Chief Guest
4	Sri Debesh Behera	AGM, MABARD, Sambalpur
5	Sri K. K. Mahalinga	ADH, Deogarh, Member
6	Sri Prasant Ku Sahu	DDA, Deogarh, Member
7	Sri Krushna Chandra Pradhan	PD Watershed,Deogarh,Member
8	Sri Paramananda Nayak	GM, DIC, Deogarh, Member
9	Sri Suraj Pandy	AHO, Deogarh
10	Smt Jyotshna Roy	DSWO, Deogarh, Member
11	Smt. Baijayantimala Majhi	OLM, Deogarh, Member
12	Smt. Smaranika Mohapatra	DPM, NRLM
13	Dr. S. K. Ghosh	Nodal officer, CDVO office, Member
14	Smt Sujata Sahu	District correspong , Deogarh, Member
15	Sri David James Bage	Scientist (Extension).
16	Sri Bhima Ch Majhi	LDM, SBI, Deogarh
17	Sri F. M. Rath	STA, Sericulture, Deogarh, Member
18	Sri S. N. Tripathy	OE, OLIC, Sambalpur
19	Sri Ashok Ku Panigraphi	Secretary SARC
20	Smt. Rina Dwibedy	Progressive farmer, Palkudar, Member
21	Sri B. C. Bhoi,	DM, OLIC, Deogarh
22	Sri Pradeep Lakra	Progressive farmer, Kalchipadadihi, Member
23	Smt Sukumari Sahu	Progressive farmer, Kalchipadadihi, Member
24	Sri Babaji Behera	Progressive farmer, Kirtanpali, Member
25	Sri Gandur Minz	Progressive farmer, Kalchipadadihi, Member

2.a. District level data on agriculture, livestock and farming situation (2019)

Sl. no.	Item	Information
1	Major Farming system/enterprise	Mushroom, Pisciculture, Dairy, Goatery, Backyard poultry.Rice-Pulses, Rice-Vegetables, Rice-Oilseeds
2	Agro-climatic Zone	North-western Plateau
3	Agro ecological situation	Low rainfall lateritic soils
4	Soil type	Sandy loam
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Rice(Kharif)-1925kg/ha, Rice(Rabi)- 2650 kg/ha, Sesame(Kharif)-427 kg/ha, Sesame(Rabi)- 408 kg/ha Greengram(Kharif)-325 kg/ha, Greengram(Rabi)-377 kg/ha Mango- 2234 kg/ha, Litchi-3800 kg/ha Sweet orange-8970 kg/ha
6	Mean yearly temperature, rainfall, humidity of the district	26.5, 1585.5mm, 53
7	Production of major livestock products like milk, egg, meat etc.	Meat, Egg

Note: Please give recent data only

2.b. Details of operational area / villages (2019)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1	Tileibani	Tileibani	Kalchipadadihi	Rice, Tomato, Goatery	Acidic soil, imbalance fertilizer application, pest and diseases	Acid soil management, crop diversification , off-season vegetables cultivation ,INM, IPM
2	Tileibani	Tileibani	Kailash	Rice, Sunflower, Mushroom, Goatery, pisciculture, poultry	Acidic soil, imbalance fertilizer application, pest and diseases	Acid soil management, crop diversification , off-season vegetables cultivation ,INM, IPM
3	Tileibani	Tileibani	Bankadarah	Rice, vegetables, pulses	Acidic soil, imbalance fertilizer application, pest and diseases	Acid soil management, crop diversification , off-season vegetables cultivation ,INM, IPM
4	Reamal	Reamal	Kirtanpali	Rice, Vegetables, Apiculture, Pisciculture, Mushroom	Acidic soil, imbalance fertilizer application, pest and diseases	Acid soil management, crop diversification , off-season vegetables cultivation ,INM, IPM
5	Barkote	Barkote	Akshyarashila	Rice, Pulses, Vegetables, Fruits	Acidic soil, imbalance fertilizer application, pest and diseases	Acid soil management, crop diversification , off-season vegetables cultivation ,INM, IPM

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2019-20) for its development and action plan

Name of village	Block	Action taken for development
Kalchipada Dihi	Tileibani	1. Application of different micronutrients, biofertiliser and staking technologies in tomato. 2. Use of different wilt tolerant tomato varieties in late kharif season. 3. Drip system in sweet potato cultivation.
Kailash	Tileibani	1. Mushroom cultivation throughout the year(Paddy straw and oyster) 2. Introduction of new poultry breed Kadaknath and Asli.
Bankadarah	Tileibani	1. STB application of fertilizer including micronutrients in medium land rice. 2. STB application of fertilizer including micronutrients, weed management in medium and low land rice.
Kirtanpalli	Reamal	1.Trellies system in bittergourd introduced. 2. New rice variety swarnashreya introduced.
Akshyarashila	Barkote	1. Varietal substitution of Khandagiri with Sahabhagidhan. 2. Paddy straw mushroom cultivation.

2.1 Priority thrust areas

S. No	Thrust area
1.	Production of quality seed and planting materials in different major crops of the district.
2.	Rejuvenation of existing orchards
3.	Management of Acid soil for higher productivity
4.	INM in different crops
5.	Yield enhancement of cereals, pulses, oilseeds, fruit & vegetable crops through implementation of proper IPM strategies
6.	Water management & soil-water conservation
7.	Farm mechanization
8.	Better & efficient utilization of forest produce for income generation of rural poor
9.	Agro based income generation activities to rural youths and farm women
10.	Organization of farmers clubs/associations in the district
11.	Drudgery reduction of farm women
12.	Food and nutritional security
13.	Poultry, goatery and dairy farming

3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
4	4	38	2	0	17	4	11	4	30	08	38	13	13	130	9	4	48	15	37	17	94	36	130

Training												Extension activities										
Number of Courses		Number of Participants										Number of activities		Number of participants								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
53	53	1440	66	17	560	212	446	135	1071	369	1440	285	290	5389	335	120	1978	734	1674	634	3987	1488	5475

Impact of capacity building											Impact of Extension activities										
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
53	53	8	3	45	12	33	9	86	24	110	142	142	5	2	32	8	21	6	58	16	74

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
Sesamum(4q), Dhanicha(2q)	Sesamum(2.44q), Dhanicha(1.1q)	50000	53045

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
300	321	200	271

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper							
Seminar/conference/ symposia papers	1	-	-	-	-	-	-
Books	-						
Bulletins							
News letter	2	1000					
Popular Articles	2	500					
Book Chapter							
Extension Pamphlets/ literature							
Technical reports	3	-					
Electronic Publication (CD/DVD etc)	2	-					
TOTAL	TOTAL 10	1500					

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessment of different date of sowing on productivity of *summer* Green gram
2.	Problem diagnosed	Late sowing causes terminal drought
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1-Date of sowing: 2nd fortnight of January TO_2- Date of sowing: 1st fortnight of February
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Proceedings of SLREC-2015
5.	Production system and thematic area	Integrated crop management
6.	Performance of the Technology with performance indicators	% infestation of YMV, Pods/ plant, Yield (Q/ ha), Net income, B:C ratio
7.	Final recommendation for micro level situation	Date of sowing: 2nd fortnight of January was recommended to farmer
8.	Constraints identified and feedback for research	In some cases early sowing causes late germination
9.	Process of farmers participation and their reaction	Satisfied with the productivity of early sowing

Thematic area: Integrated crop management.

Problem definition: Late sowing causes terminal drought
Technology assessed: Assessment of different date of sowing on productivity of *summer* Green gram

OFT-2

1.	Title of On farm Trial	Assessment of management of sucking pest (aphids) in cowpea
2.	Problem diagnosed	Incidence of aphids in flowering stage
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP-Injudicious use of insecticides like Dimethoate 30EC @ 2ml/lit TO_1 - Foliar spraying with Imidachloprid 17.8 SL @ 0.5ml/lit TO_2 - Foliar spraying with Flonicamid 50%WG @ 0.4g/lit along with yellow sticky trap @ 50 nos./ha
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TNAU-2016
5.	Production system and thematic area	Integrated Pest Management
6.	Performance of the Technology with performance indicators	% infestation, cost of intervention. additional income over additional investment Yield (q/ha), B:C ratio,
7.	Final recommendation for micro level situation	Flonicamid 50%WG and yellow sticky trap can be recommended to the farmers of vegetable growing areas.
8.	Constraints identified and feedback for research	New generation pesticides and traps are not available in the nearest market.
9.	Process of farmers participation and their reaction	Climate change is the most important factor for aphid infestation and its very difficult to control

Thematic area: Integrated Pest Management

Problem definition:

Technology assessed: Assessment of management of sucking pest (aphids) in cowpea

OFT-3

1.	Title of On farm Trial	Assessment of BPH tolerant Rice HYVs
2.	Problem diagnosed	BPH infestation causes hopper burn leads to yield loss
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_{1-} Pratikshya variety(145 days) having yield potential of 45q/ha TO2- Hasanta variety (145days) tolerant to BPH having yield potential of 39 q/ha
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on Rice, OUAT-2015
5.	Production system and thematic area	Varietal evaluation
6.	Performance of the Technology with performance indicators	% infestation, Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio
7.	Final recommendation for micro level situation	Hasant should be grown in BPH affected areas
8.	Constraints identified and feedback for research	Lodging & poor cooking quality
9.	Process of farmers participation and their reaction	Satisfied with BPH tolerance

Thematic area: Varietal evaluation

Problem definition: BPH infestation causes hopper burn leads to yield loss

Technology assessed: Assessment of BPH tolerant Rice HYVs

OFT-4

1.	Title of On farm Trial	Assessment of different tomato varieties with consumer preference for wilt tolerance in late kharif
2.	Problem diagnosed	High incidence of wilt in Late Kharif Tomato
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Arka Raksak:High yielding F1 hybrid developed by crossing IIHR-2834 X IIHR-2833. First F1 hybrid with triple disease resistance to ToLCV, BW and early blight. Fruits square round, large (90-100g), deep red colored and firm. Suitable for fresh market and processing. Yield: 75-80 t/ha in 140 days Arka Samrat: High yielding F1 hybrid developed by crossing IIHR-2835 X IIHR-2832. First F1 Hybrid with triple disease resistance to ToLCV, BW and early blight. Fruits oblate to high round, large (90-110g), deep red and firm. Suitable for fresh market, Yields:80-85 t/ha. in 140 days
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIHR, Banagalore
5.	Production system and thematic area	Varietal evaluation
6.	Performance of the Technology with performance indicators	Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio,
7.	Final recommendation for micro level situation	Arka Samrat & Arka Raksak is preferable to be grown in late kharif and rabi
8.	Constraints identified and feedback for research	Arka Samrat gives low yield as compared to Arka Raksak
9.	Process of farmers participation and their reaction	Farmers are satisfied with the quality and yield of both the varieties

Thematic area: Varietal evaluation

Problem definition: High incidence of wilt in Late Kharif Tomato

Technology assessed: Assessment of different tomato varieties with consumer preference for wilt tolerance in late kharif

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.)						
Assessment of different date of sowing on productivity of rabi Green gram	7			FP-5.08 TO_1-5.15 TO_2-5.14		FP-3.6 TO_1-4.8 TO_2-4.6	FP-13500 TO_1-14000 TO_2-14000	FP-25100 TO_1-33500 TO_2-32000	FP-11600 TO_1-19500 TO_2-18000	FP-1.86 TO_1-2.39 TO_2-2.29
Assessment of management of sucking pest (aphids) in cowpea	7				FP-35% TO_1-12% TO_2-9%	FP-32.8 TO_1-39.6 TO_2-42.5	FP-36300 TO_1-38400 TO_2-40400	FP-65400 TO_1-79100 TO_2-84900	FP-29100 TO_1-40700 TO_2-44500	FP-1.80 TO_1-2.06 TO_2-2.10
Assessment of BPH tolerant Rice HYVs	5				FP-18% TO_1-5% TO_2-0%	FP-31.6 TO_1-41.2 TO_2-45.3	FP-25600 TO_1-30500 TO_2-31500	FP-43500 TO_1-60000 TO_2-66500	FP-17900 TO_1-29500 TO_2-35000	FP-1.7 TO_1-1.97 TO_2-2.11
Assessment of different tomato varieties with consumer preference for wilt tolerance in late kharif	7					FP-265 TO_1-460 TO_2-440	FP-97000 TO_1-115000 TO_2-112000	FP-265000 TO_1-460000 TO_2-440000	FP-168000 TO_1-345000 TO_2-328000	FP-2.73 TO_1-4.0 TO_2-3.92

Results:
Please provide all the OFTs in same format

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Rice	Integrated weed management	Bensulfuronmethyl 0.6%+ Pretilachlor 6.0%is a pre-emergence herbicides which inhibits important perennial and annual species of grasses, broadleaf and sedges. Bisparybac sodium is a post emergence herbicide which controls grass , sedges, broadleaf weed in nursery and transplanted rice	1	1	1	0	2	1	5	1	8	2	10	
2.	Rice	Varietal evaluation	CR Dhan -310, duration 120-125 days having Protein content of at least 10% and moderately high Zinc. The successful marketing of these varieties will assist in reducing the protein energy malnutrition among the children in the places where rice is being solely consumed as major energy	2	2	0	0	4	1	4	1	8	2	10	

			requirements particularly tribal dominated areas of Odisha. Tolerant to blast, brown spot, rice tungro virus, bacterial leaf blight, moderately resistant to gall midge, sheath blight													
3.	Rice	Varietal evaluation	Swarna Shreya: Duration 120-125 days, Drought tolerant upto 15 days dry period	1	1	3	0	2	1	3	1	8	2	10	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Rice	Kharif 2019	Rainfed	Sandy loam	242	22	142	Green gram	25.06.2019	05.11.2019	176.70	12
Rice	Kharif 2019	Rainfed	Sandy loam	172	26.5	122	Fallow	18.06.2019	22.10.2019	246.07	15
Rice	Kharif 2019	Rainfed	Sandy loam	195	32	125.5	Fallow	29.06.2019	05.11.2019	246.07	15

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	Integrated weed management	Oxy flurofen as pre emergence herbicide is effective against most of the weed species like grasses and broadleaf weeds. Pre emergence application takes care of the early flush of weeds. Post emergence application of imazethapyr takes care of grassy weeds emerged in later phases in pulses	10	2	17.2	13.5	27.4	35077	84185	49,108	2.40	30987	66002	35,015	2.13

Mustard	Integrated nutrient management	Application of STBF (N2:P2O5:K2O 34.5:14.25:14.25 kg/ha) and FYM @ 2t/ha, application of 30 kg S/ha biofertizers (Azotobacter , Azospirillum and PSB in 1:1:1 each @ 4Kg/ha at the time of sowing and)	10	2	6.4	5.2	23%	28627	50097	21,470	1.75	33535	47955	14,420	1.43

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

** BCR= GROSS RETURN/GROSS COST

Pulses

Frontline demonstration on pulse crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Greengram	Integrated nutrient managment	Seed treatment with rhizobium @ 20gm/kg of seed and recommended dose fertilizer 20:40:20 in the form of Urea, DAP and MOP	10	2	3.8	5.1	34.2	16100.00	35600.00	19500.00	2.22	14900.00	26400.00	11500.00	1.77
	Total														

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

** BCR= GROSS RETURN/GROSS COST

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Watermelon	Integrated pest managment	Application of Thiomethoxam 25% WG @ 0.6g/lit along with installation of 50 nos. of blue sticky trap 50 nos./ha at the time of appearance from vegetative to flowering stage	10	1	365	287	27.18	-	-	62000	182500	120500	2.94	55000	143500	88500	2.61
Litchi	Integrated nutrient management	STB recommendation for NPK and foliar application of ZnSO4 @ 0.5% & borax 0.2% at the time of fruit setting.	10	1	50	42	19.40	35	20	125000	250000	101400	2.0	108600	210000	101400	1.93

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Mango	Integrated pest management	Installation trap [mixture of ethanol + methyl eugenol and malathion (6:4:1-V/V) soaking in wood block]. Suspend the pheromone capsule (wood block) from the lid using string or wire and close the container. Attach the trap to branch of a tree @ 20 trap/ha at maturing stage of fruits	10	4	126	94	34.0 %			48000	151200	103200	3.15	36000	94000	58000	2.61

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Bitterguard	Integrated crop management	Trellis should be of approximately 6 feet high with a top & bottom wire and plastic twine tied between the two wires at each plant. Posts should be no more than 15 feet apart and the top wire should be very tight. A stiff additional wire between posts may be required in the season when the fruit loads becomes heavy	10	1	40	26.5	13.5	-	-	60000	160000	100000	2.66	55000	106000	51000	1.92

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Chilli	Integrated disease management	Seed treatment with(Carboxin 37.5% + Thiram 37.5%) @ 0.2% followed by three sprayings with Difenoconazole @ 0.1% from initial disease appearance at 10 days interval	10	1	92	74	24.3			93200	230000	136800	2.47	84300	185000	100700	2.19

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Turmeric	Integrated crop management	Var- Rajendra Sonia Dwarf in nature, harvesting 200-210 days after sowing, yield potential 400-450 qt/ha, Dry recovery-20 %, Resistant against leaf spot & Leaf blotch. Intercrop Turmeric should be sown 1.5 meter away from mango tree	10	1													
Cowpea	Integrated pest management	Foliar spraying with Flonicamid 50%WG @ 0.4g/lit along with yellow sticky trap @ 50 nos./ha	10	1	46.4	38.7	19.9			42200	120600	78400	2.86	39100	100600	61500	2.57
	Total		70	10													

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)																	
Total																	

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

** BCR= GROSS RETURN/GROSS COST

Fisheries

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																	
Mussels																	
Ornamental fishes																	
Others (pl.specify)																	
		Total															

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

Other enterprises

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			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom																
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
Total																

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

Women empowerment

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

Farm implements and machinery

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

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

Demonstration details on crop hybrids

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

Pulses										
Green gram										
Black gram										
Benga lgram										
Red gram										
Others (Pl. specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Greengram	Satisfied with the productivity of early sowing
1	Rice	Satisfied with BPH tolerance
2	Tomato	Farmers are satisfied with the quality and yield of both the varieties
3	Bittergourd	More yield in trellis system compare to the traditional system
4	Cowpea	Climate change is the most important factor for aphid infestation and its very difficult to control

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	27.12.2019	1	45	
2.	Farmers Training	07.06.2019, 10.07.2019, 21.07.2019, 10.09.2019	5	150	
3.	Media coverage	31.09.2019	4	Mass	
4.	Training for extension functionaries	11.11.2019, 06.12.2019	2	40	

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2019 and Rabi 2019:

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	Greengram (Var.- IPM 02-03)	Local (Kalamuga)	2.5	4.06	4.8	6.0	High yielding variety IPM 02-03, seed treatment with Vitavax Power (Carboxin + Thiram) @ 2g and 20 gm rhizobium per 1kg of seed, line sowing (30 cm x 10 cm), pre-	50	20	5.25	2.62	3.53	0.53	1.27	2.47

							emergence herbicide Pendimethalin 30 %EC @ 2.5 lit /ha, release of *Trichogramma chilonis* with application of Chloropyrifos 35% + Cypermethrin 10% EC @ 1lit/ha, Indoxacarb @ 05 lit/ha and Imidachloprid @ 1 lit/ha for control of pod borer								
2	Pigeonpea (PRG-176)	Local	8.6	160.0	36.0	1640.0	Variety : PRG-176, Seed treatment with rhizobium 20g per 1kg of seed, line sowing in spacing 75 cm X 30 cm., application of pre-emergence herbicide Pendimethalin 30 %EC @3 lit /ha and spraying of water soluble fertiliser (18:18:18) at 90 DAS with need based plant protection measures	50	20	-	-	-	-	-	-

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	Variety: IPM 2-3, Seed treatment with Rhizobium@ 20 g per 1kg of seed, line sowing (30 cm x 10 cm), pre-emergence herbicide Pendimethalin 30 %EC @ 3 lit /ha and release of Trichogramma chilonis with need based application of Indoxacarb, Emamectin benzoate and Propenophos for control of pod borer	12,000.00	14,500.00	2,500.00	1.2	16,000.00	24,650.00	8,650.00	1.54
2	Variety : PRG-176, Seed treatment with rhizobium 20g per 1kg of	-	-	-	-	-	-	-	-

	seed, line sowing in spacing 75 cm X 30 cm., application of pre-emergence herbicide Pendimethalin 30 %EC @3 lit /ha and spraying of water soluble fertiliser (18:18:18) at 90 DAS with need based plant protection measures								

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Green gram (Var.-IPM 02-03)	353	250	69.5/-	100	53	Agriculture and household needs	68
2	Pigeonpea (PRG-176)	-	-	-	-	-	-	-

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

E. Specific Characteristics of Technology and Performance

CFLD on Rabi pulses- Green gram(IPM 2-3)			
Specific Characteristic	**Performance**	**Performance of Technology vis-a vis Local Check**	**Farmers Feedback**
High yielding variety	Enhancement of yield	Enhancement of yield against local check	Farmer observed and satisfied with the specific characteristics of the demonstrated technologies upto the flowering stage but during pod formation stage hailstorm severely damaged the crop and reduced the yield.
Seed treatment (Rhizobium)	Increase nodulation	Increase nodulation as compared to without rhizobium treatment	
Seed treatment (Chemicals)	Reduce disease incidence	Reduce disease incidence against local check	
Pre-emergence weedicide	Check weed infestation	Reduce weed infestation against local check	
Plant protection measures	Reduce pest and disease incidence	Reduce pest and disease incidence against local check	
CFLD on Kharif pulses-Pigeonpea(PRG 176)			
High yielding variety	Enhancement of yield	Enhancement of yield against local check	Farmer observed and assessed specific characteristics of the demonstrated technologies and will adopt the technologies in coming year for crop production
Seed treatment	Reduce disease incidence	Reduce disease incidence against local check	
Pre-emergence herbicide	Check weed infestation	Reduce weed infestation against local check	
Fertilizer management	Micronutrient application improves fruit setting	More fruit setting from flower than local check	
Plant protection measures	Reduce pest and disease incidence	Reduce pest and disease incidence against local check	

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Field Day(Green gram)	27.03.2019 (Bankadarh)	80
2.	-	-	

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.)
Greengram	i) Critical input	1,62,000/-	1,62,000/-	00
	ii) TA/DA/POL etc. for monitoring	18,000/-	18,000/-	00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
Pigeonpea	i) Critical input	1,62,000/-	1,24,000/-	38,000/-
	ii) TA/DA/POL etc. for monitoring	18,000/-	11,000/-	7,000/-
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**3,60,000/-**	**3,15,000/-**	**45,000/-**

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

A) Farmers and farm women (on campus)

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

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
Grading and standardization													
Protective cultivation													
Others													
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value													

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
addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													

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
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	1	3	5	8	-	-	-	8	4	12	11	9	20
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production	1	05	05	10	-	-	-	05	05	10	13	07	20
Production of organic inputs	1	03	03	06	01	-	01	07	06	13	14	06	20
Planting material production	1	3	5	8	-	-	-	8	4	12	11	9	20
Vermiculture													
Mushroom Production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Beekeeping	1	7	3	10	0	0	0	8	2	10	15	5	20
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing	1	3	5	8	-	-	-	8	4	12	11	9	20
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Total	6	24	26	50	1	0	1	44	25	69	75	45	120

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	2	11	2	13	1	0	1	12	4	16	24	6	30
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic	1	3	1	4	0	0	0	7	4	11	10	5	15

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
inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs	1	3	1	4	1	0	1	7	4	11	11	4	15
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers	1	5	1	6	2	1	3	4	2	6	11	4	15
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other	1	3	1	4	1	0	1	7	4	11	11	4	15
Total	6	21	10	31	5	1	6	35	20	55	61	29	90

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	2	9	1	10	1	0	1	42	7	49	52	8	60
Resource Conservation Technologies													
Cropping Systems	2	31	09	40	3	1	4	13	3	16	40	20	60
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production	3	25	3	28	3	0	3	45	14	59	73	17	90
Nursery management	1	6	9	15	5	2	7	6	2	8	17	13	30
Integrated Crop Management	3	16	7	23	5	3	8	43	16	59	64	26	90
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others	1	9	3	12	4	2	6	4	8	12	17	13	30
Total	12	96	32	128	21	8	29	153	50	203	263	97	360
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off season vegetables	3	25	3	28	3	0	3	45	14	59	73	17	90
Nursery raising	2	32	1	33	5	0	5	14	8	22	51	9	60
Exotic vegetables													

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
Export potential vegetables													
Grading and standardization													
Protective cultivation	3	20	5	25	3	2	5	48	12	60	71	19	90
Others													
Total (a)	8	77	9	103	11	2	13	107	34	141	195	45	240
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	1	6	7	13	2	5	7	4	6	10	12	18	30
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)	1	6	7	13	2	5	7	4	6	10	12	18	30
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology	1	6	9	15	5	2	7	6	2	8	17	13	30
Processing and value addition													
Others													
Total (e)	1	6	9	15	5	2	7	6	2	8	17	13	30
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													

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
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management	1	9	3	12	0	0	0	12	6	18	21	9	30
Integrated water management													
Integrated Nutrient Management	3	25	3	28	3	0	3	45	14	59	73	17	90
Production and use of organic inputs	3	20	5	25	3	2	5	48	12	60	71	19	90
Management of Problematic soils													
Micro nutrient deficiency in crops	2	32	1	50	5	0	5	14	8	22	51	9	60
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing	2	22	08	30	0	0	0	7	3	10	22	18	40
others													
Total	11	117	21	138	11	2	13	136	43	179	264	66	330
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems	2	9	1	10	1	0	1	42	7	49	52	8	60
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total	2	9	1	10	1	0	1	42	7	49	52	8	60
VII. Plant Protection													
Integrated Pest Management	3	29	13	42	6	2	8	23	11	34	58	32	90
Integrated Disease Management	3	31	16	47	9	2	11	11	21	32	51	39	90
Biocontrol of pests and diseases	2	9	1	10	1	0	1	42	7	49	52	8	60
Production of bio control agents and bio pesticides													
Others	2	42	7	49	1	0	1	9	1	10	52	8	60
Total	10	111	37	148	17	4	21	85	40	125	213	87	300
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													

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
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths	1	8	3	11	2	1	3	11	5	16	21	9	30
WTO and IPR issues													
Others													
Total	1	8	3	11	2	1	3	11	5	16	21	9	30
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	53	446	135	581	66	17	83	560	212	772	1071	369	1440

E) RURAL YOUTH (Off Campus)

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

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
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Total													

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													

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 and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total													

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

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

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
value crops													
Off0season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic													

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
Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization													

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
techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													

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
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

ii. RURAL YOUTH (On and Off Campus)

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

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
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Total													

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total													

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
Soil Science	FW	INM in vegetables	1	Off	14	16	30	5	6	30
	FW	Deficiency symptoms of micronutrients and their management.	1	Off	19	11	30	4	3	30
	FW	Importance of soil testing & technique of soil sample collection	1	Off	13	17	30	6	5	30

	FW	Integrated nutrient management in groundnut cultivation	1	Off	18	12	30	8	3	30
	FW	Method of preparation and use of different organic products	1	Off	14	16	30	5	6	30
	FW	Integrated nutrient management in Sesamum	1	Off	19	11	30	4	3	30
	FW	Integrated nutrient management in greengram	1	Off	13	17	30	6	5	30
	FW	Application method and usefulness of arka microbial consortium	1	Off	15	15	30	4	3	30
	FW	Method of application of lime and micronutrients in tomato.	1	Off	18	12	30	7	6	30
	FW	Method of application of biofertiliser in vegetables	1	Off	14	16	30	5	6	30
	FW	Use and role of mircronutrient in watermelon.	1	Off	19	11	30	4	3	30
	IS	Production and use of different organic inputs	4	On	15	5	20	3	2	20
	RY	Organic manure production technology	2	On	13	2	15	6	2	15
	IS	Production and use of different organic inputs.	4	On	14	6	20	5	5	20
	RY	Organic manure Production technology	2	On	12	3	15	4	2	15
Plant protection	FW	Disease & pest management in green gram and black gram	1	Off	18	12	30	7	6	30
	FW	Disease & pest management in ground nut, sesame and mustard	1	Off	13	17	30	6	5	30

	FW	Management of pest & diseases in litchi	1	Off	15	15	30	4	3	30
	FW	Integrated pest management for fruit flies in cucurbitaceous vegetables	1	Off	18	12	30	7	6	30
	FW	IPM modules for mnagement of BPH in rice	1	Off	13	17	30	6	5	30
	FW	Paddy straw mushroom cultivation	1	Off	14	16	30	5	6	30
	FW	Use of different pesticides to control sucking pests in cowpea	1	Off	19	11	30	4	3	30
	FW	Management practices for pod borer in greengram and blackgram	1	Off	13	17	30	6	5	30
	FW	Cultural practices to reduce die back diseasae in chilli	1	Off	18	12	30	8	3	30
	FW	Cultural practices to reduce fruit sucking moth infestation in sweet orange	1	Off	13	17	30	6	5	30
	FW	Biological management of pod borer in pigeon pea	1	Off	11	19	30	5	5	30
	FW	Different cultural practices to control soil borne pathogens in solanceous vegetables	1	Off	17	13	30	6	4	30
	RY	IPM modules to control major insect pest in rice	2	On	18	12	30	5	3	15
	RY	Use of diiferent adjuvants with pesticides	2	On	12	3	15	4	2	15
	IS	Apiculture for income generation	4	On	14	6	20	5	5	20

	RY	Use and efficacy of new generation chemical pesticides	2	On	11	4	15	2	3	15
Agril. Extension	FW	Market led vegetable Production.	1	Off	11	19	30	5	5	30
	RY	Different agro-based income generation avenues for rural youth.	4	On	11	9	20	7	1	15
	RY	Formation and management of FPOs	3	Off	14	6	20	5	5	15
	RY	Agricultural entrepreneurship through farmer organization.	2	On	11	4	15	2	3	15
	IS	Different IGAs for SHGs.	2	On	13	2	15	5	2	15
	IS	PRA tools for action plan development.	2	On	10	5	15	2	2	15
	IS	Market led extension.	2	On	9	6	15	2	1	15
	IS	Agricultural entrepreneurship through farmer organization.	2	On	11	4	15	2	3	15
Horticulture	FW	Cultivation practices of Cole crops**.**	1	Off	18	12	30	7	6	30
	FW	Cultivation practices of watermelon.	1	Off	13	17	30	6	5	30
	FW	Popularization of horticulture based farming system.	1	Off	15	15	30	4	3	30
	FW	Formation and management of FPOs of fruit crops	3	Off	14	6	20	5	5	20
	FW	Seed treatment of vegetables	1	Off	13	17	30	6	5	30
	FW	Rhizome treatment of turmeric before sowing and its sowing techniques	1	Off	11	19	30	5	5	30
	FW	Techniques of establishment of	1	Off	17	13	30	6	4	30

		different types of trellis in gourds								
	FW	Different intercultural operations for leguminaceae vegetables	1	Off	13	17	30	6	5	30
	FW	Trellis system, training and pruning in tomato	1	Off	11	19	30	5	5	30
	FW	Production techniques and management practices of marigold	1	Off	17	13	30	6	4	30
	FW	Weed management practices in different rabi vegetables	1	Off	13	17	30	6	5	30
	FW	Transplanting method of watermelon seedlings	1	Off	11	19	30	5	5	30
	FW	Nutrient management in Watermelon	1	Off	17	13	30	6	4	30
	IS	Scientific Nursery raising for different type of vegetables	4	On	14	6	20	5	5	15
	RY	Production of quality planting material of different fruit crops	4	On	11	9	20	4	4	15
	RY	Importance of training and pruning in fruit quality and yield	2	On	9	6	15	2	1	15
Agronomy	FW	Green manuring in rice cultivation	1	Off	13	17	30	6	5	30
	FW	Nursery management of rice	1	Off	11	19	30	5	5	30
	FW	Different herbicides used in Rice and application methods	1	Off	17	13	30	6	4	30
	FW	Millet	1	Off	13	17	30	6	5	30

		cultivation for crop diversification and nutritional security								
	FW	Integrated weed management practices in Pigeon pea	1	Off	11	19	30	5	5	30
	FW	Integrated weed management practices in ground nut	1	Off	17	13	30	6	4	30
	FW	Scientific cultivation practices of Sesame	1	Off	13	17	30	6	5	30
	FW	Integrated nutrient management practices in sesame	1	Off	18	12	30	5	2	30
	FW	Package and practices for cultivation of Rape seed and mustard	1	Off	11	19	30	5	5	30
	FW	Scientific cultivation practices of Lin seed	1	Off	17	13	30	6	4	30
	FW	Use of biofertilizer in pulse crops	1	Off	13	17	30	6	5	30
	IS	Different types of organic manures and it's preparation methods	4	On	14	6	20	5	5	15
	IS	Scientific cultivation practices of Maize- Cow pea intercropping	4	On	11	9	20	4	4	15
	RY	Contigent crop planning under drought situation in rainfed areas	2	On	9	6	15	2	1	15
	RY	Conservation Agriculture	2	On	11	4	15	2	3	15
Agril. Engineering	FW	Weed management of rice by different weeders.	1	Off	11	19	30	5	5	30

	FW	Installation and maintenance of micro irrigation system.	1	Off	17	13	30	6	4	30
	FW	Care and Safety measures during operation of farm implement.	1	Off	11	19	30	5	5	30

H) Vocational training programmes for Rural Youth

a) Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Enterprise	Beekeeping	Beekeeping	4	8	2	10				
	Income generation	Production of vermicompost	4	9	1	10				
	Protected cultivation	Protected cultivation	4	7	3	10				
	Income generation	Mushroom cultivation	4	0	10	10				
	Income generation	Seed production technologies in major field crops	4	10	0	10				

*training title should specify the major technology /skill transferred

b) Details of participation

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Crop production and management													
Commercial floriculture													
Commercial fruit production													

Commercial vegetable production													
Integrated crop management													
Organic farming													
Other	1	3	0	3	1	0	1	6	0	6	10	0	10
Total	1	3	0	3	1	0	1	6	0	6	10	0	10
Post harvest technology and value addition													
Value addition													
Other	1	4	1	5	1	0	1	4	0	4	9	1	10
Total	1	4	1	5	1	0	1	4	0	4	9	1	10
Livestock and fisheries													
Dairy farming													
Composite fish culture													
Sheep and goat rearing													
Piggery													
Poultry farming													
Other													
Total													
Income generation activities													
Vermicomposting	1	4	1	5	1	0	1	4	0	4	9	1	10
Production of bioagents, biopesticides,													
biofertilizers etc.													
Repair and maintenance of farm machinery & imlements													
Rural Crafts													
Seed production													
Sericulture													
Mushroom cultivation	1	2	0	2	0	1	1	0	7	7	0	10	10
Nursery, grafting etc.													
Tailoring, stitching, embroidery,													

dying etc.													
Agril. Para-workers, paravet training													
Other	1	3	1	4	0	0	0	5	1	6	8	2	10
Total	3	9	2	11	1	1	2	9	8	17	17	13	30
Agricultural Extension													
Capacity building and group dynamics													
Other													
Total													
Grand Total	5	16	3	19	3	1	4	19	8	27	36	14	50

I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

Sl. No	Title	Thematic area	Month	Duration (days)	Client PF/RY/EF	No. of courses	No. of participants	Sponsoring Agency
1	Mission Shakti	Income generation	Aug – December 2019	60	SHGs	10	250	OUAT, BBSR

b) Details of participation

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

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
Other													
Total													
Post harvest technology and value addition													
Processing and value addition													
Other													
Total													
Farm machinery													
Farm machinery, tools and implements													
Other													
Total													
Livestock and fisheries													
Livestock production and management													
Animal Nutrition Management													
Animal Disease Management													
Fisheries Nutrition													
Fisheries Management													
Other													
Total													
Home Science													
Household nutritional security													
Economic empowerment of women	10	0	93	93	0	37	37	0	120	120	0	250	250
Drudgery reduction of women													
Other													
Total	10	0	93	93	0	37	37	0	120	120	0	250	250
Agricultural Extension													
Capacity Building and Group Dynamics													

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
Other													
Total													
Grant Total													

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	3								182	58	240
Kisan Mela	3								295	115	410
Kisan Ghosthi	1								12	5	17
Exhibition	4								360	220	580
Film Show	3								120	70	190
Method Demonstrations											
Farmers Seminar	4								72	28	100
Workshop											
Group meetings	7								190	40	230
Lectures delivered as resource persons	16								310	110	420
Advisory Services											
Scientific visit to farmers field	-								830	202	1032
Farmers visit to KVK	-								621	191	812
Diagnostic visits	57								101	71	172
Exposure visits	-										-
Ex-trainees Sammelan	1								22	3	25
Soil health Camp	2								42	18	60
Animal Health Camp	1								33	9	42
Agri mobile clinic											
Soil test campaigns	5								120	30	150
Farm Science Club Conveners meet											
Self Help Group Conveners meetings	2								22	8	30
Mahila Mandals Conveners meetings											
Celebration of important days (Women in Agriculture Day, World Food Day, World Soil Day, Fertiliser awareness programme, PM Live telecast programme, Vigilance awareness	6								350	100	450

week)											
Sankalp Se Siddhi											
Swatchta Hi Sewa	26								305	180	485
Mahila Kisan Divas	1								0	30	30
Any Other (Specify)											
Total	**142**								**3987**	**1488**	**5475**

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	12
Radio talks	4
TV talks	3
Popular articles	5
Extension Literature	3
Other, if any	-

3.5 a. Production and supply of Technological products

Village seed

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in village seed production	Number of farmers to whom seed provided							
					SC		ST		Other		Total	
					M	F	M	F	M	F	M	F
Greengram	IPM 2-3	3.53	6950/- /q	18	0	0	8	0	10	0	18	0
Pigeonpea	PRG-176											
Total												

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Sesamum	GT-10	2.44	20374	2	0	11	1	4	2	17	3
Dhanicha	Local	1.1	4400	0	0	9	2	6	3	15	5
Grand Total		3.54	24774							32	8

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Vegetable seedlings											
Cauliflower	Megha	5058	9231	52	22	205	80	163	88	420	190
Cabbage	Green Challenger	2820	4920	18	5	102	35	83	25	203	65
Tomato	Arka Rakhyak, Arka Samrat, Sakhyam	32645	47260	70	12	289	65	191	48	550	125
Brinjal	Tarini	5614	5614	35	9	178	67	118	53	331	129
Chilli	Siamhot, Krishna	4170	5690	48	12	114	59	187	45	349	116

Onion	Agrifound dark red	800	400	0	0	6	2	4	2	10	4
Others(Broccoli, Chinese cabbage, Capsicum, Cowpea, Red cabbage, Knolkhol)	Belstar, Omaxe Chinese, Capsicum-J, Kasikanchan, Bok Choy, White Vienna)	1205	1455	2	1	18	7	34	22	54	30
Fruits											
Mango		750 kg	7500	1	0	34	7	33	9	68	16
Guava											
Lime											
Papaya		117	2925	0	0	11	3	16	2	27	5
Banana											
Others											
Ornamental plants											
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Others, pl. specify											
Total											

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers	325 kg	3250	2	0	15	0	13		30	0
Bio-pesticide										
Bio-fungicide										
Bio-agents										
Others, please specify.										
Total	325 kg	3250								

Production of livestock materials

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

Poultry											
Broilers											
Layers											
Duals (broiler and layer)											
Japanese Quail											
Turkey											
Emu											
Ducks											
Others (chicks)	Asli, Kaberi, Banaraj	321	21,215.00	6	2	16	5	9	3	31	10
Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings											
Spawn											
Others (Pl. specify)											
Grand Total											

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

i) Name of Seed Hub Centre:

Name of Nodal Officer :	Senior Scientist and Head,KVK,Deogarh
Address :	At/Po-Purunagarh, Dist-Deogarh, 768119
e-mail :	kvkdeogarh.ouat@gmail.com
Phone No. : Mobile :	Mob. No: 9437360866 06641-226123

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2018	Pigeonpea	PRG-176	-	15	10.4	CS
Rabi 2018-19	Greengram	IPM-02-03		160	70.4	CS
Kharif 2019	Pigeonpea	PRG-176		10	Crop in pod stage	CS
Rabi 2019-2020	Greengram	IPM 02-14		20	Sowing is continuing	CS

iii) Financial Progress

Fund received (2016-17, 2017-18 and 2018-19)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17	50.0	0.10922	39.87878	
2017-18	-	1.08810	39.11790	
2018-19	-	3.74002	36.66064	
2019-2020	-	7.20265	30.95919	

iv) Infrastructure Development

Item	Progress
Seed processing unit	Completed
Seed storage structure	90% of work completed

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

Item	Title	Author's name	Number	Circulation
Research paper				
Seminar/conference/ symposia papers			1	
Books				
Bulletins				
News letter			2	
Popular Articles			2	
Book Chapter				
Extension Pamphlets/ literature				
Technical reports			3	
Electronic Publication (CD/DVD etc)			2	
TOTAL			10	

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	Agripreneur DPR presentation meeting		Dr. Sujit Ku Nath, SS&H	02.02.2019	OUAT, Bhubaeswar
2	Workshop on PPV &FR		Sri Sabyasachi Sahu, SMS(Agronomy)	15 .03.2019	WBUAFS, Kolkatta
3	Action plan development meeting		Dr. Sujit Ku Nath, SS&H	02.05.2019	DEE,OUAT,Bhubaneswar
4	Action plan development meeting		Dr. Sujit Ku Nath, SS&H	12.05.2019 to 15.05.2019	KVK, Sonepur
5	SLREC Meeting		Dr. Sujit Ku Nath, SS&H	22.05.2019 to 25.05.2019	OUAT, Bhubaneswar
6	Zonal workshop		Dr. Sujit Ku Nath, SS&H	08.06.2019 to 12.06.2019	UBKV,Coochbihar

7	ICAR-DAE interface meeting		Dr. Sujit Ku Nath, SS&H	9.7.19 to 10.7.19	Krushi Bhawan, Bhubaneswar
8.	Capacity building programme of mission shakti		Dr. Sujit Ku Nath, SS&H	08.08.2019	OUAT, Bhubaneswar
9.	Preseasonal worksop		Dr. Sujit Ku Nath, SS&H	7.11.19 to 8.11.19	Krushi Bhawan, Bhubaneswar
10	ASCI Training of trainer programme		Miss Sadhana Swastik	9.12.19 to 10.12.19	WBUAFS, Kolkatta
11			Sri Laba Soren, Scientist(Plant Protection)		

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

Name of farmer	Sri Debendra Dhal
Address	At/Po-Khilei, Dist-Deogarh
Contact details (Phone, mobile, email Id)	9668985908
Landholding (in ha.)	2.5
Name and description of the farm/ enterprise	Pond based integrated farming system
Economic impact	Net annual income-2,50,000/-
Social impact	"Farmer Professor" being a role model to the fellow farmers of the locality.
Environmental impact	Improves soil quality
Horizontal/ Vertical spread	20 ha

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

Sl. No.	Name/ Title of the technology	Name/ Details of the Innovator(s)	Brief details of the Innovative Technology
1	IFS for employment and status for resource poor farmers	Sri Debendra Dhal	Deogarh is the smallest and most resource poor district of Odisha. Khilei, an under developed tribal dominated village of the district is surrounded by hills and forests. Debendra Dhal a young man of this village is now an example setter in the district, establishing a model pond based integrated farming system (IFS) in his village. His IFS is comprised of 3 acres of land where one acre is the water area with 2 ponds. In one acre he cultivates medium duration rice in kharif which later on changed to rice – toria-greengram cropping system. The bonds of both the ponds are full of banana and mango plantation. One side is also covered with pointed and spine gourds. From one acre rice based cropping system he gets a net return about Rs. 40,000/-. Throughout the year he cultivates seasonal vegetables in one acre which fetches him more than Rs. 75,000/- net return. From the mango, litchi and banana plantation he earns about Rs. 57,000/-. From both the ponds, spending about Rs. 25000/- in pisciculture he gets about Rs. 70000/-. He has two mixed jersey breed cows, from where he earns Rs. 20,000/- per annum. His total income comes more than Rs. 2,50,000/- from this IFS. Besides his total family gets employment from his own farm. All the residues or bi-product of one component is used to bring

			enhancement of yield of the other. Being a graduate he is now proud of leading a self contained independent life. His IFS is full of latest scientific interventions from the Krishi Vigyan Kendra and different line departments. He has tilapia fish, fresh water prawn, mulching on banana which are new to the district. By this scientific temperament he has been awarded from the district administration and State Govt. for his innovativeness. The district Research Extension Committee has designated him as "Farmer Professor" being a role model to the fellow farmers of the locality.

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

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Cereal and pulses	Elephant repellant	To drive out elephants from farm

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	Sesamum, mango	24.5 ha	300 q	35	Y

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

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed

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

Sl. No	Name of the Equipment	Qty.
1	Shaker	1
2	Meter	1
3	Hot plate	1
4	Sieve small	1
5	Sieve big	1
6	Solar plate with controller and cable	1
7	Manual	1
8	Funnel	20
9	Beaker	20
10	Test tube graduated 50ml	40
11	Glass test tube (50ml)	20
12	Spoon(small)	1
13	Spoon(big)	1
14	String rod(plastic)	2
15	String rod(glass)	2
16	Beaker glass 100ml	4
17	Graduated measuring cylinder glass(10ml)	1
18	Graduated measuring cylinder glass(50ml)	1
19	Reagent brown bottle glass (125ml)	2
20	Weighing balance	1
21	Wash bottle(500ml)	1
22	Wash bottle(250ml)	1

23	Tissue paper	2
24	Bottle brush	1
25	Test tube brush	1
26	Measuring cylinder glass (25ml)	1
27	Test tube stand	2
28	Safty glass (Goggle)	1
29	Training CD	1
30	Software for soil health card CD	1
31	Mridaparikshak soil testing kit (mini lab)	2
32	Flame photometer	1
33	Double beam UV visible spectro photometer	1
34	All glass double distillation unit	1
35	Distillation appts power supply	1
36	Rotary shaker	1
37	Digital balance	1
38	Automatic nitrogen analyser	1
39	PH,EC, TDS combined meter model	1
40	Digital soil mixture	1
41	Precision analytical balance	1
42	Magnetic stirrer	1
43	Hydrometer Boycous	1
44	Hot plate(rectangular)	1
45	Moisture dish	4

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			
223	69	292	2368	16	-

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	World soil day	170	3	Sj Subash Pani, MLA, Deogarh, Smt. Sudhamayee Patel, President Jilla Parisad, Sj Jayakrushan Sahu, Vice President Jilla Parisad	24	24

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

No of training programme	No of demonstrations	No of plant material produced	Visit by the farmers	Visit by the officials
1	1	22	130	10

3.13. Technology week celebration

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

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

No of student trained	No of days stayed

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit
13.03.2019	Sri Punam Kant Vincent Ekka, PD, DRDA	SAC meeting
13.03.2019	Dr. Hemant Ku Sahu, JDE, DEE, OUAT	SAC meeting
28.08.2019	Sri Dharam Hansdah, ADM, Deogarh	Mission shakti Programme
06.11.2019	Sri Manmath Ku Pani, Addl. Secretary to Govt. of Odisha	Visit to KVK
11.11.2019	Sri Subash Panigrahi, Hon'ble MLA, Deogarh	NADCP live telecast programme
18.11.2019	Dr. M. P. Nayak, JDE, DEE, OUAT	SAC meeting
18.11.2019	Dr. S. K. Mandal, Principal Scientist, ATARI, Kokatta	SAC meeting

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)
Use of different tomato varieties with consumer preference for wilt tolerance in late kharif	42	70	45,000/-	1,20,000/-

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
Trellis system in bitter gourd to check production of poor quality fruits due to soil contact	25 ha

Give information in the same format as in case studies

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

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

4.4. Details of innovations recorded by the KVK

Thematic area	IFS
Name of the Innovation	Pond based integrated farming system
Details of Innovator	Sri Debendra Dhal, At/po- Khilei, Dist.- Deogarh, PIN-768108
Back ground of innovation	
Technology details	➢ Composite pisciculture-1.0 acre ➢ Dairy and seasonal vegetables-1.0 acres ➢ Rice-Mustard-Greengram-1.0 acre **Net income per annum : 2,50,000/-(Approximately)**
Practical utility of innovation	Crop -Vegetables, rice, fishery and dairy

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	
Name & complete address of the entrepreneur	
Role of KVK with quantitative data support:	
Timeline of the entrepreneurship development	
Technical Components of the Enterprise	
Status of entrepreneur before and after the enterprise	
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	
Horizontal spread of enterprise	

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
ATMA, Deogarh	STRY training for rural youth, Farmers participatory research
Agriculture	Field & Diagnostic visit, Field Day, Training, Demonstration & Dissemination of technology.
Horticulture & Fisheries	Field & Diagnostic visit, Field Day, Training, Demonstration, Dissemination of technology.
Veterinary	Dissemination of technology, Training, Poultry, Goatery, Animal Health Camp
NABARD	FPO formation and drip irrigation

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

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.									
	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	
Sesamum			1	GT-10		2.44		20374	
Dhanicha			2	Local		1.1		4400	

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.	Vermi compost	325	3,250/-		

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.	Asali		Chicks	35	2,450/-		
2.	Kaberi			35	2,450/-		
3.	Banraj			251	16,315/-		
4	Kadaknath		Egg	497	4,970/-		

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
12.09.2019	25	7	
20.09.2019	25	7	
12.10.2019	25	7	
17.10.2019	25	7	
07.11.2019	25	7	
28.12.2019	25	5	
Total :	150	40	

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed: Yes

No. of staff quarters:6

Date of completion: 2012

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI
January 2019 to December 2019	All quarters occupied by staffs					

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Current	State bank of India	Deogarh	30062165311
Saving	State bank of India	Deogarh	30442362646
Current	State bank of India	Deogarh	36409971279

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	

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2013
	Kharif	Rabi	Kharif	Rabi	
Greengram		1,80,000.00		1,80,000.00	-
Pigeonpea	1,80,000.00		1,35,000.00		45,000.00

7.4 Utilization of KVK funds during the year 2019-20 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	82,00,000.00		
2	Traveling allowances	1,00,000	75,000.00	75000.00
3	Contingencies			
A	OE			
B	POL	4,00,000.00	10,48,800.00	3,91,446.00
C	VT/TM/EXT. ACT./RY			
D		3,00,000.00		2,20,595.00
E	OFT	1,50,000.00		65,823.00
F	FLD	1,50,000.00		76,423
G	SCSP	3,00,000.00		1,22,000
H	Maintenance of building	4,40,000.00		-
I	Library	10,000.00		-
J	HRD	30,000.00	22,500.00	12,000.00
K	Swachhta Expenditure	30,000.00		
TOTAL (A)				
B. Non-Recurring Contingencies				
1				
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND		-	-	49,385.00
GRAND TOTAL (A+B+C)		1,01,10,000.00	11,46,300.00	10,12,672.00

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2015-16	1,02,437.00	1,08,755.00	49,758.00	17,360.00
2016-17	46,868.00	1,21,370.00	66,768.00	Nil
2017-18	Nil	92,126.00	30,567.00	1,200.00
2018-19	Nil	1,26,279	31,750	2,54,435.00
2019-20	1,04,435.00	3,09,854.00	49,385.00 as on Feb 2020	-

7.6. (i) Number of SHGs formed by KVKs : 03
(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities :03
(iii) Details of marketing channels created for the SHGs : organising federation and rural mart by NABARD at Reamal block

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

8. Other information

8.1. Prevalent diseases in Crops

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

8.2. Prevalent diseases in Livestock/Fishery

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

9.1. Nehru Yuva Kendra (NYK) Training: NA

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

9.2. PPV & FR Sensitization training Programme

Date of organizing the programme	Resource Person	No. of participants	Registration (crop wise)	
			Name of crop	No. of registration
1	1	14	-	-

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

Type of message	No. of messages	No. of farmers covered
Crop	33	12343
Livestock	4	
Fishery	-	
Weather	2	
Marketing	-	
Awareness	5	
Training information	4	
Other	2	
Total	50	

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	2206
2.	No. of farmers registered in the portal	12344
3.	Mobile Apps developed by KVK	
4.	Name of the App	
5.	Language of the App	
6.	Meant for crop/ livestock/ fishery/ others	
7.	No. of times downloaded	22

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
12.09.19	Cleaning of demo units & garage
16.09.19	Community cleaning
18.09.19	Cleaning of administrative building
20.09.19	Cleaning of office campus
21.09.19	Community cleaning
25.09.19	Cleaning of office building
26.09.19	Cleaning of Agro polytechnic campus

b. Details of Swachhta activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office	3	
2. Basic maintenance	2	
3. Sanitation and SBM	5	
4. Cleaning and beautification of surrounding areas	2	
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	2	
6. Used water for agriculture/ horticulture application	2	
7. Swachhta Awareness at local level	5	
8. Swachhta Workshops	2	
9. Swachhta Pledge	3	
10. Display and Banner		
11. Foster healthy competition	1	
12. Involvement of print and electronic media	2	
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	4	
14.No of Staff members involved in the activities	17	
15. No of VIP/VVIPs involved in the activities	4	
16. Any other specific activity (in details)		
Total	**38**	

9.6. Observation of National Science day

Date of Observation	Activities undertaken
NA	

9.7. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants
NA		

9.8. Agriculture Knowledge in rural school

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

Give good quality 1-2 photograph(s)

9.9. Details of '*Pre-Rabi Campaign'* Programme

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 Doordarshan (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

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Cleaning of demo units & garage	-	25	-	
2	Community cleaning	8	94	2	
3	Cleaning of administrative building	-	7	-	
4	Cleaning of office campus		28	-	
5	Cleaning of Agro polytechnic campus		25	-	

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	Celebration of Mahila Kisan Diwas	3	50	2	Smt. Bhabani Patra, Sarapanch, GP-Palkudar, Jagyansini Mahanandia, Block Project Manager, OLM, Tileibani

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 Debendra Dhal	At/po- Khilei, Dist.- Deogarh, PIN-768108	Integrated Farming System of 3.0 acres
2	Sri Gosain Minj	At- Kalchipodadihi, Po- Sodo, Dist.- Deogarh, PIN-768121	Product- Kharif tomato
3	Sri Maheswar Pradhan	At-Khajurianali, Po- Baghabar, Dist.- Deogarh, PIN-768109	Product- Fruits
4	Sri Babaji Behera	At - Kirtanapali, Po- Lulang, Dist.-Deogarh, PIN-768109	Vegetable cultivation
5	Sri Purandar Mohanta	At - Hinjilita, Po- Balanda, Dist.-Deogarh, PIN-768110	Product- Field crops

9.13. Revenue generation

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

9.14. Resource Generation:

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1	Mission shakti programme	farmers hostel	OUAT	0.945	

9.15. Performance of Automatic Weather Station in KVK

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

9.16. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Odisha	Deogarh	NRM	1	24	

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 2019-2020

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 2019-20 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 2019-2020

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 2019-2020

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:-NA
(Applicable for KVKs identified under NICRA)

Natural Resource Management

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

Crop Management

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

Livestock and fisheries

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

Institutional interventions

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

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1	Best farmer award in 100 years celebration by SAMAJ	Pradeep Lakra	2019			
2		Debendra Dhal	2019			
3	Best farmer award in OUAT foundation day	Debendra Dhal	2019			

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
1	Silipathar Groundnut Agro-Producer Co. Pvt. Ltd		Dushila Pradhan, President, Adas Gram Panchayat, Block-Reamal, Dist-Deogarh	Groundnut cultivation	Groundnut	150	0.50	
2	Mandasuni Onion agro-producer co. Pvt. Ltd		Kamini Majhi, President, Adas Gram Panchayat, Block-Reamal, Dist-Deogarh	Onion cultivation	Onion	150	0.50	

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 adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	Integrated crop management in tomato	Off-season tomato cultivation (variety-Lakhmi-hybrid). New variety introduced-Arka Rakshak, Arka Samrat-Wilt resistant 2. Raising seedling in poly tunnel followed by poly potting for better growth and reduce Mortality. 3. Staking of plants 4. Management of wilting by soil drenching in nursery and seedling treatment with (Metalyxyl 8% + mancozeb 64%) + Streptocycline).	2,05,000.00	34	

		5. STB application of fertilizer including micronutrients in medium land rice.			
2	Oyster mushroom cultivation	Oyster mushroom cultivation.	2200.00	5	
3	Introduction of new paddy variety	1. Varietal substitution of Khandagiri with Sahabhagidhan. 2. STB application of fertilizer including micronutrients, weed management in medium and low land rice.	45,000.00	8	

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

	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
Phase	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I (up-to 15.03.2018)	7	110	17.2.2018	SS&H, DDA, DAO, AAO, Scientist, Progressive Farmer, Farm Women, Programme Asst.(Comp)	
II (up-to 24.04.218)	2	25			
Total	9	135			

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

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

20. a) Information on **ASCI** Skill Development Training Programme, if undertaken during 2019:-NA

Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants						Whether uploaded to SIP Portal (Y/N)	Fund utilized for the training (Rs.)
				SC		ST		Other			
				M	F	M	F	M	F		

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2019

Thematic area of training	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	
Income generation	Mushroom cultivation	56	0	0	2	7	1	5	3	12	15	ATMA

21. Information on NARI Project (if applicable)

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

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

Krishi Kalyan Abhiyan- I and II

A. Training

Name of programme	No. of programmes	No. of farmers benefitted									No. of officials attended the programme
		SC		ST		Others		Total			
		M	F	M	F	M	F	M	F	T	
KKA-I											
KKA-II											

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

Name of programme	No. of Programme	Total quantity distributed				No. of farmers benefited									No. of other officials (except KVK) attended the programme
		Seed (q)	Planting material (lakh)	Input (kg)	Other (kg/ No.)	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
KKA-I															
KKA-II															

C. Livestock and Fishery related activities

Name of programme	No. of Programme	Activities performed				No. of farmers benefited									No. of other officials (except KVK) attended the programme
		No. of animals vaccinated	No. of animals dewormed	Feed/ nutrient supplements provided (kg)	Any other (Distribution of animals / birds/ fingerlings) [No.]	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
KKA-I															
KKA-II															

D. Other activities

Name of program me	Activities	No. of farmers benefited									No. of other officials (except KVK) attended the programme
		SC		ST		Others		Total			
		M	F	M	F	M	F	M	F	T	
KKA-I	Soil Health Card Distributed										
	NADEP Pit established										
	Farm implements distributed										
	Others, if any										
KKA-II	Soil Health Card Distributed										
	NADEP Pit established										
	Farm implements distributed										
	Others, if any										

Krishi Kalyan Abhiyan- III

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

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

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

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

PHTOGRAPHS

OFT on different wilt tolerant tomato variety

FLD on trellis system in bitterguard

Assessment of BPH tolerant paddy var Hasant

OFT on assessment of nutrient management blossom and rot in tomato

Demonstration of mango-turmeric intercropping system

FLD on Black rice

	
FLD on weed management in groundnut	FLD on protein rich rice variety CR-Dhan-310
	
FLd on transplanting method of watermelon	Assessment of different varieties of Marigold cultivation

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