ANNUAL REPORT 2017-18

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
Krishi Vigyan Kendra, Chirang PO: Kajalgaon, Dist: Chirang BTAD, PIN: 783385	Office	FAX	kvkbngn@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Assam Agricultural University Jorhat-785013	0376-2340013	0376-2340001	kvkaau@gmail.com

1.3. Name of the Programme Coordinator with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Kameswar Das	-	9854071472	kameswardas@rediffmail.com

1.4. Year of sanction: 2004

1.5. Staff Position (As on 31st March, 2018)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
1	Programme Coordinator	Dr. Kameswar Das	Programme Coordinator	Agronomy	37,400-67,000	72,910	17.08.11	Permanent	General
2	Subject Matter Specialist	Dr. Hiranya Kumar Baruah	SMS	Agril. Economics	15,600-39,100	27,200	07.11.08	Permanent	General
3	Subject Matter Specialist	Ms Mandakini Bhagawati	SMS	Horticulture	15,600-39,100	22,280	10.10.15	Permanent	General
4	Subject Matter Specialist	Dr Rajeev Bhandar Kayastha	SMS	Animal Science	15,600-39,100	22,280	17.10.15	Permanent	General
5	Subject Matter Specialist	Ms. Shaptadvipa Bhattacharjee	SMS	Plant Breeding and Genetics	15,600-39,100	22,280	19.10.15	Permanent	General
6	Subject Matter Specialist	Dr Kripal Borah	SMS	Soil Science	15,600-39,100	22,280	26.10.15	Permanent	OBC
7	Subject Matter Specialist	Mr Bikram Bhattacharyya	SMS	Entomology	15,600-39,100	22,280	03.11.15	Permanent	General
8	Programme Assistant	Mr Sailen Talukdar	Programme Assistant	Crop Physiology	8000-35,000	18,920	21.03.09	Permanent	SC
9	Computer Programmer	Anirban Singha	Computer Programme Assistant	-	8000-35,000	13,690	06.08.15	Permanent	General
10	Farm Manager	Mr Jyotish Sarma	Farm Manager	Crop Physiology	8000-35,000	15,430	09.09.11	Permanent	General

11	Accountant cum Superintendent	Mr. Pradip Kumar Roy	Supperintendent cum Accountant	-	8000-35,000	14,980	25.02.12	Permanent	OBC
12	Stenographer	Mr. Anjalu Basumatary	Stenographer	-	5,200-20,200	11,560	25.02.12	Permanent	ST
13	Supporting staff	Mr. Levi Murmu	Supporting staff	-	4,560-15,000	10,010	16.10.04	Permanent	OBC
14	Driver	Mr. Lakhi Ram Brahma	Driver cum Mechanics	-	5,200-20,200	9,680	20.02.12	Permanent	ST
15	Driver	Mr. Sanju Boro	Driver cum Mechanics	-	5,200-20,200	9,680	20.02.12	Permanent	ST
	Total								

1.6. a. Total land with KVK (in ha) :12.00 ha
b. Total cultivable land with KVK (in ha) :7.49 ha
c. Total cultivated land (in ha) :6.00 ha

S. No.	Item	Area (ha)
1	Under Buildings (Administrative building)	4.00
2.	Under Demonstration Units	2.00
3.	Under Crops (Cereals, pulses, oilseeds etc.)	2.00
4.	Under vegetables	1.00
5.	Orchard/Agro-forestry	2.00
6.	Others (Medium land)	1.00

1.7. Infrastructural Development:

A) Buildings

Sl. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building with training hall	ICAR	31.3.13	400	47,19,000.00	-	-	-
2.	Farmers Hostel	-	-	-	-	-	-	-
3.	Staff Quarters (6)	-	-	-	-	-	-	-
4.	Demonstration Units (2)	RKVY	31.03.13	102.45	4,92,000.00	-	-	-
5	Fencing	-	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Regd. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep	AS03 E 0026	2006	4.90 lakh	1,31,550	Good
Tractor	19B 1740	2006	3.66 lakh	1007	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Copier Machine (1 No.)	2006-07	0.54	Good
Digital Camera (1 No.)	2015-16	0.14	Good
Copier Machine (1 No.)	2009-10	1.20	Good
Computer (2 No.)	2009-10	0.63	Good
Computer (2 No.)	2016-17	1.00	Good
Computer UPS (1 No.)	2009-10	0.12	Good
LCD projector (1 No.)	2009-10	0.98	Good

Laser printer (1 No.)	2009-10	0.06	Good
Scanner (2 No.)	2009-10	0.07	Good
Ralson By Closure Machine (1No.)	2011	-	Good
Mixer Grinders (1No.)	2012	-	Good
Autoclave(1 no)	2012	-	Good
Universal Hot air Oven (1 No)	2012	-	Good
Rotary Flask shaker Shaker (1 No)	2012	-	Good

1.8. A). Details SAC meeting* conducted in the year 2017-18

Sl. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken on last SAC recommendation
1	05.02.18	Enclosed in Annexure I	Enclosed in Annexure II	Enclosed in Annexure III

**** Attach a copy of SAC proceedings along with list of participants***

2. DETAILS OF DISTRICT

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

Sl. No	Farming system/enterprises
1.	Agriculture (field crops)—Horticulture (Fruits and vegetables)
2.	Agriculture (Field crops)—Animal Husbandry (Piggery, duckery, goatary, poultry and dairy)
3.	Agriculture (Field crops) – Fishery
4.	Agriculture (Field crops)—Sericulture (Eri and muga silkworm)
5.	Agriculture (Field crops)—Horticulture – Animal Husbandry (Piggery, duckery, goatary, poultry and dairy)
6.	Agriculture (Field crops)—Horticulture (Fruits and vegetables)—Fishery
7.	Agriculture (Field crops)—Horticulture (Fruits and vegetables)—Forestry
8.	Agriculture (Field crops)—Animal Husbandry (Piggey, duckery, goatary, poultry and dairy)-Fishery
9.	Agriculture (Field crops)—Animal Husbandry (Piggey, duckery, goatary, poultry and dairy)-Forestry

2.2 Description of Agro-climatic Zone & major agro-ecological situations (based on soil and topography)

A. Agro-climatic Zone:

Sl. No	Agro-climatic Zone	Characteristics
1.	Lower Brahmaputra Valley Zone	The soil of the zone is mostly acidic in nature and soil PH gradually increases towards the river Brahmaputra. The soil is medium to high in organic carbon and available N and P_2O_5 low and medium in K_2O status. Four orders of soils are found in the zone (i) Entisol, (ii) Inceptisol, (iii) Alfisol and (iv) Ultisol.

B. Agro-ecological Situations

Sl. No	Agro-climatic Zone	Characteristics
1.	Foot hill old mountain valley alluvial plain	The northern part of the district comprising this situation contains old mountain valley alluvial soils (Alfisol & Ultisol). Build up of alluvial materials washed down from the hill slops. Surface soil is light yellow to pale brown, compact, sticky and plastic. Generally, medium to heavy in soil texture. The elevation is higher towards foot hills which gradually slop towards south.
2.	Flood prone recent riverine alluvial plain	Recent riverine alluvial (Entisol), sandy to sandy loam in soil texture. This situation is represented by an almost flat topography which often experiences flood hazard. Apart from some natural depressions, some riverine islands are also in existence.

3.	Flood free riverine alluvial middle plain	Old riverine alluvial type (Inceptisol). The texture of the surface soils ranges from sandy loam to loam, silty clay loam, silty clay and clay. The topography is almost plain.
4.	Hill and Hillock	Old alluvial type (Alfisol), sandy to sandy loam in texture and acidic in nature. The topography is undulating.

2.3 Soil types

Sl. No	Soil type	Characteristics	Area in ha
1.	Light gray	Sandy loam to silly loam in texture	186.00
2.	Red soil (Mixed)	High in 'Fe' and 'Al' oxides. Fairly well drained soil	48349.33
3.	Sandy soil	Light textured soil	162.66
4.	Sandy loam	Medium textured	489.50
5.	Clay loam	Heavy textured. Poor external as well as internal drainage	228.54

2.4. Area, Production and Productivity of major crops cultivated in the district

Sl. No	Crop	Area (ha)	Production (ton)	Productivity (Qtl /ha)
1	Autumn Rice	10568.5	10663.62	10.09
2	Winter Rice	38910.6	61634.40	15.84
3	Boro Rice	1566	3875.85	24.75
4	Wheat	1064	1755	16.49
5	Maize	478	291	6.09
6	Arhar	382.5	318.62	8.33
7	Greengram	143.5	58.26	4.06
8	Black gram	1364	636.98	4.67
9	Gram	213	100	4.70
10	Lentil	2050.5	1060.10	5.17
11	Peas	883	675.50	7.65
12	Other Pulses	754	367.95	4.88
13	Rapeseed & Mustard	8683.5	3490.77	4.02

2.5. Weather data

Month/Year	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
April 2017	431.0	34.3	17.3	81.3
May 2017	272.5	35.6	20.5	80.3
June 2017	382.8	37.0	24.3	85.1
July 2017	433.5	37.5	23.9	84.5
August 2017	819.6	35.7	23.8	84.7
September 2017	1005.4	35.1	22.7	85.7
October 2017	500.2	34.8	19.2	81.8
November 2017	5.0	30.6	12.2	76.2
December 2017	5.6	28.5	8.8	77.1
January 2018	7.2	31.2	5.1	75.6
February 2018	0.6	25.4	8.4	75.3
March 2018	40.5	28.1	11.0	78.5

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
Cattle			
Crossbred	462	1329 liters/day	3.31 litrs./day
Indigenous	36952	9000 liters/day	300 ml/day
Buffalo			
Crossbred	194	500 liters/day	3 liters/day
Indigenous	666	600 liters/ day	1 liters/day
Sheep			
Crossbred			
Indigenous	6167	-	-
Goats	24902	10 ton kg/year	5 kg/animal
Pigs			
Crossbred	4948	60 ton kg/year	25 kg/animal
Indigenous	9412		
Rabbits	-	-	-
Poultry			
Backyard	68320	Meat: 5 ton/year	Meat: 0.83 kg/ animal
Farm	255913	Eggs: 32 lakhs nos	90 eggs/bird
Improved	-	-	-
Ducks	-	-	-
Turkey and others	-	-	-

Category	Area	Production(MT)	Productivity (Kg/ha)
Fish	2695	57394.31	2150
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

Category	Area (ha)	Production(MT)	Productivity (Kg/ha)
1. Tank and pond	332	7138	2150
2. Beel	6201	21393	345
3. River	256	640	250
4. Paddy field	621	9135	150
5. Forest Fishery	0.85	46	550
6. Others	211	369	175

(Source: SREP, Chirang)

Note: Pl. provide the appropriate Unit against each enterprise

2.7 Details of Operational area / Villages (2017-18)

Sl. No.	Taluk/ Eleka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified thrust area
1.	Kajalgaon	Sidli	South Kajalgaon, Kasikotra, Hulmagaon No. 1, Saljhora, Baikhungaon, Tangabari, Padmapur, Nimagaon, Kolobari, Banduguri, Sundari, Kashikotra, Hatipota, Dangaigaon,	Rice, rapeseed & mustard, sesame, black gram, buckwheat,	-Soil acidity -Rain fed farming -Low rate of seed replacement	-Acid soil management -Productivity enhancement in major field crops.

			Baikhungaon, Dwkhanagar Tirimari, Basugaon, Runikhata, Dadgiri, Deoshree, Tukrajhar, Mulandubi, , Amlaiguri, North Sukhanipara, Thuribari, South Silkaguri, Sakatiuzanpara, Sakati Bhatipara, Fulguri, Khagrabari, Nalbari, Kachutola, Bhutkura, Nichinapara, Basugaon Turibari, Bhutiapara, Tukrajhar-I, Kanibhur, Salbari, Domgaon, Paschim Hulmagaon-I, Hulmagaon-II, Pub – Domgaon, Choto Nilibari, Maidam Runikhata, Runikhata, Ashrabri, Pub-Ashrabari, Taktara, Ghoramari, Duligaon, Pakhriguri - 2, Gossaigaon, Pakhriguri-1 Amguri –II, Guwabari, Nehalgaon, Kathalpara, Ulubari, Garubhasa No.1, Julioga, Goragaon Salibari, Kahibari, Jaoliabari, Balapara, Lauripara, Garubhasa No.2, Goragaon, Dologaon, Amguri, Athiabari, Bamungaon, Dangshibari, Bairajhora. Shymthaibari, Thuribari, Simlaguri, Hwswarabari, Khakaragaon Mwkwnaguri, Thuribari, Rabhapara, North Rowmari, Palashguri, New Dimapur, Monglagaon, Barigaon, Hasrabari, Banduguri,West Gumargaon,Thalirbari, Deolguri, Sefrnguir, Bangaldoba, New Latima Hatipota	kharif & rabi vegetables, maize, banana etc. are important crops. Major enterprises included cropping, dairy, backyard poultry, goatery etc	- Yield gap in paddy, pulses, oilseeds, fruits and vegetables -Imbalance use of chemical fertilizer -Low productivity of animals	- Popularization of HYVs - Seed and planting material production --Commercial production of fruits and vegetables. -AdIption of INM and IPM technologies. -Live-stock management -Formation of farm science club
2.	Bijni	Boroba zar	Majrabari, Batabari, Pub Khamarpara, Saragaon, Laugaon, Larugaon, Batabari, Agrong pakriguri, Dahlapara, Daisunguri, Khamarpara, Labdanguri, Kishan Bazar Majrabari, Moneswari, Kochubari, Borgaon, Ulu Bari, Thasobari, Ballamguri, Pub-Makra, Malivita, Janata Bazar, Malivita F.V, Amteka F.V, Dhalpani Forest Block, Simlaguri Forest Block, Dakhingaon F.V, Bhurbasti FB, Bhur FV, Parbatipur, Gendabil, Koila - Moila, Narayanpur, Napalpara, Parbatjhora, Pub - amguri, No. 1 Mazrabari, Malipara, Pachim Makra, Baripara No.1, Sowari No. 2, Sowari No. 1, Dahalapara No. 2, Dahalapara No.2, Bishnupur No. 3,	Major crops are rice, lentil, toria, rapeseed & mustard, areca nut, coconut, banana, vegetables, bamboo etc. Major enterprises are cropping, fishery, dairy, duckery, goatery, backyard poultry,	-Soil acidity -Yield gap in paddy, pulses, oilseeds, fruits and vegetables -Low rate of seed replacement and poor adoption of HYVs -Poor fertility management -Rainfed farming -Un-organized marketing	-Management of acid soil -Crop planning for rainfed area. -Commercial production of fruits and vegetables. -Increasing productivity of major field crops through improved crop management practices -Popularization of HYVs -Seed and

			Bishnupur No. 2, Bishnupur No. 1, Kachubil No. 1, Kachubil No. 2, Thaisobari No. 2, Thaisobari No. 1, Panbari, Betbari No. 1, Betbari No. 2, Purakhola, Silikhaguri, Larugaon No. 1, Larugaon No. 2, Bagargaon, Silikhaguri No. 2, Dewanpara No. 2, Silikhaguri No. 1, Lasatipara, Pub – Khamarpara, Batabari, Doturi, Kawatika -1 Kalobari, Puradia, Silbari, Dangage, Bagakgaa, Dokhona gaon	Mushroom etc.	system -Low productivity of animals --Low production of fish per unit of water bodies.	planting material production -Adoption of INM and IPM technologies. -Live-stock management -Adoption of improved fish production technology. - Formation of SHGs and farmer's club

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2017-18

Discipline	OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)			
	1				2			
	Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
	T	A	T	A	T	A	T	A
Agronomy	1	1	3	2	2	2	18	10
Plant protection	3	3	9	9	4	3	45	28
PBG	2	2	6	7	4	4	32	27
Soil Science	2	2	6	6	3	3	20	20
Horticulture	3	2	9	5	3	2	11	6
Ani. Sci.	2	2	6	9	4	4	12	12
Economics	0	0	0	0	3	2	20	20
Total	**13**	**12**	**39**	**38**	**23**	**20**	**158**	**123**

Note: Target set during last Annual Zonal Workshop

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	**T**	**A**	**T**	**A**	**T**	**A**	**T**	**A**
Farmers	18	17	450	422	1551	507	7593	**7967**
Rural youth	9	10	250	151				
Extn. Functionaries	6	4	145	108				
Vocational Training	7	5	145	105				
Total	**40**	**36**	**990**	**786**	**1551**	**507**	**7593**	**7967**

Seed Production (ton.)		Planting material (Nos. in lakh)	
5		6	
Target	**Achievement**	**Target**	**Achievement**
54.51	827.62	0.12	0.092

Note: Target set during last Annual Zonal Workshop

3. B. Abstract of interventions undertaken during 2017-18

Sl. No	Thrust area	Crop/ Enterprise	Identified problems	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1.	Reduction of yield gap in major field crops through introduction of improved varieties and crop management practices	Hybrid maize, Mustard Sali rice, Buckwheat, Jute,Fingermillet, Lentil, Toria	Yield gap due to poor adoption of HYV and poor knowledge on scientific management practices, poor weed management	1. Performance of Sali rice variety (Tripura Chikon ,CR Dhan 909,CR Dhan 310,Shraboni) in rice-lentil sequence 2. Performance of Mustard variety NRCHB-101 in rice-mustard sequence 3.INM in Jute	1. Integrated crop management of Rabi maize 2. Integrated crop management of buck wheat 3. Performance and evaluation of submergence tolerance varieties of Sali rice Ranjit Sub-1,Bahadur Sub-1,Swarna Sub-1 4.Integrated crop management of Fingermillet in fingermillet toria sequence	1. Crop diversification in sand & silt deposited areas. 2. Scientific method of cultivation of rabi oilseed crops in rice – toria sequence 3. Scientific methods of cultivation of rabi pulse crops in rice-pulse sequence 4. Scientific method of cultivation of maize and rice in rice – maize sequence	-	Advisory services, diagnostics visit, field visit, Field day, Method demonstrations	Seed, fertilizers and other critical inputs

2.	Seed production	Toria, Jute	Non availability of quality seed and planting materials	-	1. Foundation Seed production of olitorious Jute var. Tarun after sesamum 2. Foundation seed production var.TS-46	1. Seed production technology and scientific cultivation practices of cereals 2. Seed production technology and scientific cultivation practices of oilseed crops 3. Seed production technology and scientific cultivation practices of pulse crops	1.Certification procedure of different field crops	Field Day on Improved production and foundation seed production technology in Toria, Jute	Seed, chemical fertilizer and pesticides
3.	Integrated pest management/Integrated disease management/Biological Management	Sali rice, Honeybee, Wheat, Tomato, jute	Lack of scientific approaches in insect pest and disease management strategies	1. Control of false smut disease in rice 2.Effect of management practices of white fly (leaf curl virus) in tomato 3. Control of stem rot and root rot disease in *olitorius* jute	1.Monitoring and management of rice yellow stem borer through pheromone trap 2. Rearing of *Apis cerana indica* in toria field for increasing overall productivity 3.Rodent management in wheat through low cost bamboo trap	1. Integrated pest management in summer and winter rice. 2. Scientific Beekeeping. 4. Integrated pest and disease management in winter vegetables.	Recent advancement in pest and disease management in agriculture.	Advisory services, field visits, Diagnostic visit, Field day	Chemical pesticides and fertilizer,low cost bamboo traps, Honey bee hive, Pheromone traps (Funnel trap)
4.	Soil health and nutrient management	Sali paddy, Lentil, Linseed, and Toria	Improper management of soil due to imbalanced chemical fertilizer use, poor knowledge on nutrients and resource use efficiency and poor fertilizer management.	1. INM in toria in rice-toria sequence 2.Phosphorous management in rice-linseed sequence	1. Application of Zinc and boron on rice-rapeseed sequence. 2.Method demonstration on foliar nutrition of lentil in rice-lentil sequence.	1. INM in rice based cropping system 2.Soil testing procedures and its importance in crop production.	Production technology of biofertilizer and its utilization in farmers field to sustain soil health.	Diagnostic visit and Advisory Services and field day.	Seed & fertilizer

5.	Soil microbes (beneficial)	Vermi compost	Lack of knowledge on production and use of organic inputs	-	1. Production of vermicompost in low cost vermicompost unit	Production technology of biofertilizer (Azolla, Vermicompost and Enriched compost)	-	Advisory services and method demonstrations and field day	Bamboo based earthen mud plastered low cost vermi compost unit & earth worm species *Eisenia foetida*
6	Scientific livestock management	Poultry, Duck Pig, Goat,	Low productivity of indigenous birds and animals,	1. Performance and evaluation of Broiler duck under backyard 2. Breed improvement by crossing of local pigs with improved boar (Rani Pig).	1. Breed improvement by crossing of local goat with improved Goat breed. 2. Demonstration on quail farming for additional income generation 3. Performance of turkey birds for meat production 4. Performance of Indian Runner ducks	-	-	Advisory services, Field visit	120 nos Quail chicks, 1 breeding bucks, 30 Turkey birds 100 nos. broiler Ducks 3 nos. Rani boars
7	Commercial production and management of horticultural crops	Banana, Black Pepper, Apple ber	Yield gap due to poor adoption and poor knowledge on scientific management practices of vegetable and fruit crops	1.Stage wise Nutrient Management in Banana cv. Malbhog 2. Performance of Blackpepper var.Karimunda & Panniyur-1 in existing Sal tree plantations in Forest Area	1. Intercropping in Apple Ber with Lathyrus	1. Nursery raising for self employment	-	Advisory services, diagnostics visit, field visit, Field day,	Seed, fertilizers and other critical inputs
9	Scientific mushroom cultivation	Mushroom	Consumption of wild mushroom	-	1. Milky Mushroom cultivation for economic upliftment 2. Oyster Mushroom cultivation for economic upliftment	Year round mushroom cultivation for economic upliftment	-	Practical demonstration, Training, monitoring and field day	Mushroom spawn, plastic bag

3.1 Achievements on technologies assessed and refined during 2017-18

A.1 Abstract of the number of technologies **assessed*** in respect of crops/enterprises

Thematic areas	**Cereals**	**Oilseeds**	**Pulses**	**Commercial Crops**	**Vegetables**	**Fruits**	**Flower**	**Plantation crops**	**Tuber Crops**	**TOTAL**
Varietal Evaluation	1	1		1						3
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management	1	1		1		1				4
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management					1					1
Integrated Disease Management	1			1						2
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL	**3**	**2**		**3**	**1**	**1**				**10**

* *Any new technology, which may offer solution to a location specific problem but not tested earlier in a given micro farming situation.*

A.2. Abstract of the number of technologies **refined*** in respect of crops/enterprises :NIL

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient										

Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Post Harvest Technology										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL										

***** *Technology that is refined in collaboration with ICAR/SAU Scientists for improving its effectiveness.*

A.3. Abstract of the number of technologies **assessed** in respect of livestock / enterprises

Thematic areas	**Cattle**	**Poultry**	**Sheep**	**Goat**	**Piggery**	**Rabbitery**	**Fisheries**	**TOTAL**
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management					1			1
Feed and Fodder								
Small Scale income generating enterprises		1						1
TOTAL		**1**			**1**			**2**

A.4. Abstract on the number of technologies **refined** in respect of livestock / enterprises :NIL

Thematic areas	**Cattle**	**Poultry**	**Sheep**	**Goat**	**Piggery**	**Rabbitery**	**Fisheries**	**TOTAL**
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL								

A.5. Results of On Farm Testing

Sl. No.	Title of OFT	Problem Diagnosed	Name of Technology Assessed	Crop/Cropping system/ Enterprise	No. of Trials	Results of Assessment/ Refined (Data on the parameter should be provided)	Feedback from the farmer	Feedback to the Researcher	B.C . Ratio (if applicable)
Agronomy									
1	INM in Jute in jute-Toria sequence	Imbalance use of fertilizer	T1: 75% recommended dose of NPK +25% supplement from compost T2: Farmers practice	Jute	2	Ongoing			
Plant Protection									
2	Effect of management practices of whitefly (leaf curl vector)in tomato in tomato-okra sequence	Poor knowledge on IPM	Treatment:T1 Nursery: One week after germination of seeds, spray the seedlings with Imidacloprid 200 SL @0.3 ml/l or Thiamethoxam 25 WP @ 0.3 g/l Before transplanting: Dip the roots of the seedlings with with imidacloprid 200SL @ 0.3 ml/l or Thiamethoxam 25 WP @ 0.3 g/l Main field: Spraying of Imidacloprid 200SL @ 0.4 ml/l or Thiamethoxam 25 WP @ 0.3 g/l after 15 days of planting in the main field T2: Control	Tomato	3	T1:Per cent of infected plants: 5.3 Yield(t/ha): 37.5 T2:Per cent of infected plants: 52.60 Yield(t/ha): 18.7	Farmers found the chemical suitable and effective against white fly(leaf curl vector)	The use of Imidacloprid 200 SL was found to be suitable and very must effective.	T1:3.3 T2:2.0
3	Control of False Smut disease of rice in rice-toria sequence	Lack of knowledge on disease management	T_1: Spraying of propconazole 25 EC once at 50 % panicle emergence stage@ 0.15 T_2: Control	Rice	3	T1:Infected tillers(%) : 0.87(0.63-1.06) Smut ball/panicle : 1.92 (1.40-2.40) Percent smutted grain in panicle : 4.20(2.67-5.56) Disease severity(%) : 3.64 Yield : 58.0 q/ha T2: Infected tillers(%) : 3.93(3.14-4.48) Smut ball/panicle : 4.24(3.80-5.00)	Farmers found the chemical suitable and effective	The use of propconazole 25 EC was found to be suitable and very must effective	T1:1.5 T2: 1.3

						Percent smutted grain in panicle : 11.08(9.33-12.86) Disease severity(%) : 43.52 Yield : 51.5 q/ha			
4	Control of stem rot and root rot disease of Olitorious jute through potassic fertilizer in jute-torai sequence	Lack of knowledge on disease management	T1: Application of 50 kg/ha K2O at the time of sowing T2: Control	Jute	3	On going			
Plant Breeding and Genetics									
5	Performance of Mid duration Sali rice variety in rice – lentil sequence	less availability of mid duration variety	T_1: Var: CR Dhan 310,T2: CR Dhan 909 T3:Tripura Chikon T_4: Shraboni	Rice	3	Yield(q/ha) T1:23.0 T2:21.0 T3:25.0 T4:24.0	Farmers accepted CR Dhan 909 and Tripura Chikon but still found Shraboni better than above two varieties	Usefull in Rice fallow situation .Since the varieties are early duration so there is lot of attack of pest and disease.	T1:1.56 T2:1.46 T3:1.75 T4:1.68
6	Performance of mustard variety NRCHB-101 in rice-mustard sequence	poor knowledge of farmers on improved varieties	T1: Variety NRCHB-101 T2: Farmers practice	Mustard	3	T1:10.0 T1:7.5	Farmers found the variety suitable	Since Mustard variety gave much yield than local toria variety so found suitable	T1:2.09 T2:1.66
Soil Science									
7	Phosphorous management in rice –linseed sequence	Poor knowledge of nutrient management	T1: Control (Recommended dose of NPK) T2: In rice 75% of RD of P2O5 In Linseed 75% of RD of P2O5 + PSB (50 g/kg seed)	Rice , Linseed	3	Plant height(cm): T1: in rice,98 cm In linseed,25 cm T2: in rice,122 cm In linseed,38 cm Yield(q/ha): In rice,	Farmers found effective in grain production by use of balanced	Use of balanced chemical fertilizers along with biofertilizers in both Sali paddy and linseed can enhance the grain yield and crop growth as compared to application	In rice, T1: 1.78 T2:1.85 In linseed, T1:1.55 T2: 1.70

						T1:43.00 T2:48.00 In linseed(q/ha), T1: 7.50 T2: 8.50	chemical fertilizers along with biofertilizers.	of recommended dose of N,P2O5,K2O fertilizers alone .	
8	Integrated nutrient management in toria in rice – toria sequence	Lack of knowledge on integrated nutrient management	T1: Control(recommended dose of NPk) T2: Fertilizer @ 45 : 22.5 : 30 kg (N : P2O5 : K2O)/ ha along with Azotobecter and PSB each @ 40g/ kg Seed	Toria	3	Plant height(cm): T1: In rice: 100cm In rapeseed:87 cm T2: In rice: 122cm In rapeseed:94 cm Yield (q/ha) In rice, T1:40.90 T2:46.15 In rapeseed (q/ha), T1:7.00 T2:8.25	Farmers found effective in grain production by use of biofertilizers along chemical fertilizers.	Increased grain yield and crop growth in INM practice as compared to application of recommended dose of N, P_2O_5, K_2O fertilizers alone.	In rice, T1:1.43 T2:1.62 In toria, T1:1.75 T2:2.06
Horticulture									
9	Nutrient management in Banana *var.* Malbhog	Poor nutrient management	T_1: N: 60% of RDF at 5months after planting, 20% of RDF at shooting,20% of RDF at last hand opening stage P: Whole at 3 Month of plant K: 40% of RDF at shooting and 60% at last hand opening T_2: Farmers practice	Banana	2	Corms have been distributed among the beneficiaries. The trial is in progress.	-	-	-
10	Performance of Black pepper in Saal tree plantation in forest area	lack of knowledge of crop management	Variety: Panniyur/Karimunda	Black pepper	3	ongoing	-	-	-
Animal Science									
11	Performance and evaluation of Broiler duck under backyard	Lack of knowledge on improved breed	T1: Rearing of broiler duck White Pekin T2: Farmers' practice- local duck	Duck	6	Av. Body weight on 20^{th} day of age is 300g. Mortality rate during brooding: Nil	Farmer accepted as mortality percentage almost nil during	Suitable for meat production under backyard	Ongoing

							brooding period with effective growth.		
12	Breed improvement by crossing of local pigs with improved boar. Breed: Rani	Lack of knowledge of breed improvement	T1: Crossbreeding for increased vigour in crossbred piglets T2: Farmers' practice with local pig	Pig	3	Crossbreeding with local pig already has been started with Av. litter size at birth: 8 piglets.	Farmer accepted as the piglets born were higher body weight with low mortality rate.	Suitable for breed improvement	Ongoing

Field crops – ton/ha, * for horticultural crops -= kg/t/ha, * milk and meat – litres or kg/animal, * for mushroom and vermicompost kg/unit area.

***** Give details of the technology assessed or refined and farmer's practice***

3.2 Achievements of Frontline Demonstrations during 2017-18

a. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2017-18 and recommended for large scale adoption in the district

Sl. No	Crop/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
1	Toria	Foundation seed production of Toria (TS-46) in rice – toria sequence	7	50	20ha
2	Maize	Integrated crop management of rabi maize under TSP Programme	6	60	20 ha
3	Buckwheat	Integrated crop management of Buckwheat	7	30	20 ha
4	Buckwheat	Integrated crop management of buckwheat under TSP	10	320	150 ha
5	Toria	Integrated crop management of toria under TSP	9	530	200 ha
6	Niger	Cluster demonstration of Niger under cluster FLD	6	20	10 ha
7	Water melon	Cultivation of water melon in sand and silt deposited areas of Aie river valley	6	40	3 ha
8	Lentil	Technology demonstration under Cluster FLD lentil, Var: Maitree	20	970	500 ha
9	Vermicompost	Production of vermicompost in low cost vermicompost unit	8	200	200 units
10	Toria	Cluster demonstration of toria	20	1030	500 ha
11	Pea	Cluster demonstration of pea under cluster FLD	13	710	100 ha

12	Sali paddy	Technology demonstration under technology showcasing of Sali paddy	25	1150	1000 ha
13	Blackgram	Technology demonstration under technology showcasing of Blackgram	15	1120	150 ha
14	Blackgram	Cluster demonstration of blackgram under cluster FLD	7	150	98 ha
15	Sesamum	Techno/ogy demonstrated under CFLD	13	650	220 ha
16	Linseed	Cluster demonstration of Linseed, variety:T-397	10	490	200 ha
17	Livestock	Performance of improved poultry birds,ducks,pigs under backyard condition under TSP	10	1000	4400 Nos.
18	Sali paddy	Varietal demonstration of submergence tolerance varieties of Sali rice (Ranjit Sub-1, Bahadur Sub -1, Swarna Sub -1)	8	150	50ha
19	Honeybee	Scientific bee keeping	8	150	25 units
20	Mushroom	Scientific mushroom cultivation	10	2000	50 units

**** Thematic areas as given in Table 3.1 (A1 and A2)***

b. Details of FLDs conducted during reporting period (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops**.)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement	Farming situation (Rainfed/ Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
												N	P	K
					Proposed	Actual	SC/ST	Others	Total					
Agronomy														
1	Buckwheat	ICM	Integrated crop management of Buckwheat	2017-18	3	2	4	3	7	NA	Rainfed	456	21.20	132
2	Maize	ICM	Integrated crop management of Rabi maize, Var: DHS-42	2017-18	3	1	1	2	3	NA	Rainfed	432	21.20	113
Plant Protection														
3	Rice	Biological Management	Monitoring and management of rice yellow stem borer through pheromone trap in rice-toria sequence	2017-18	3	13.4	9	11	20	NA	Rainfed	426	20.09	121
4	Wheat	ITK	Rodent management in wheat through low cost bamboo trap	2017-18	1	1	0	6	6	NA	Rainfed	418	21.30	132
Plant Breeding and Genetics														
5	Sali Rice	Varietal evaluation	Varietal demonstration of submergence tolerance varieties of Sali rice(Ranjit Sub-1 , Bahadur Sub-1 & Swarna Sub-1)	2017-18	5	5	2	14	16	NA	Rainfed	421	22.03	124
6	Finger millet	ICM	ICM on Finger Millet(Local)in Finger millet – toria sequence	2017-18	1	1	0	4	4	NA	Rainfed	432	20.17	130

7	Jute	Seed production	Foundation Seed production of olitorious Jute var:Tarun after sesamum	2017-18	0.26	0.26	2	0	2	NA	Rainfed	456	20.20	126
8	Toria	Seed production	Foundation seed production of Toria(TS-46) in rice – toria sequence	2017-18	2	2	0	5	5	NA	Rainfed	450	22.00	115
Soil Science														
9	Rice, Rapeseed	Soil management	Application of zinc and boron on rice-rapeseed sequence	2017-18	3	3	5	0	5	NA	Rainfed, medium upland	463	22.00	119
10	Lentil	fertility management	Foliar nutrition of lentil in rice lentil sequence	2017-18	1	1	0	5	5	NA	Rainfed	413	19.00	123
Horticulture														
11	Apple Ber	Weed & water management	Intercropping in apple ber	2017-18	0.26	0.26	0	2	2	NA	Rainfed	320	15.67	112
13	Watermelon	ICM	Cultivation of watermelon in sand and silt deposited areas . Variety: Sugarbaby:	2017-18	0.26	0.26	0	4	4	NA	Rainfed	413	19.58	123

c. Performance of FLD on Crops

Sl. No.	Crop	Thematic area	Area (ha.)	Avg. yield (Q/ha.)		% increase in Avg. yield	Additional data on demo. yield (Q/ha.)		Data on parameters other than yield, e.g., disease incidence, pest incidence etc.		Econ. of demo. (Rs./ha.)				Econ. of check (Rs./Ha.)			
				Demo	Check		H*	L*	Demo	Local	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR
Agronomy																		
1	Buckwheat	ICM	2	11.0	8.0	37.5%	12.5	10.0	-	-	15000	55000	40000	3.7	14000	40000	26000	2.85
2	Maize	ICM	1	45.0	37.0	21.6%	50.0	30.0	-	-	33000	67500	34500	2.75	27000	55500	28500	2.06
Plant Protection																		

3	Rice	Biological Management	13.4	55.5	50.4	10.11%	57.0	53.0	Avg. nos of insect trapped at vegetative stage: 8.3 per trap at 7 days interval Avg. nos of insect trapped at reproductive stage: 7.4 per trap at 7 days interval Dead heart incidence (%):8.5 % White ear head incidence (%):9.6%	Dead heart incidence (%):15.3 % White ear head incidence (%):18.2%	27210	55500	28290	2.04	25000	50400	25400	2.01
4	Wheat	ICM	5	18.0	12.0	50%	21.0	8.0	-	-	18850	27000	8150	1.43	15000	18000	3000	1.20
Plant Breeding and Genetics																		
5	Sali Rice	Varietal evaluation	5	T1:48 T2:46 T3:43	Ranjit:50.0	T1:(-4%) T2:(-8%) T3: (-14%)	T1:50 T2:47 T3:35	T1:30 T2:24 T3:45	-	-	27000	48000 46000 43000	21000 19000 16000	T1:1.77 T2:1.70 T3:1.60	26000	50000	24000	1.92
6	Finger millet	ICM	1	9.0	-		11.0	8.00	-	-	30000	53000	23000	1.76	-	-	-	-
7	Jute	Seed production	0.26	3	-	-	-	-	-	-	29510	42000	13000	1.42	-	-	-	-
8	Toria	Seed production	2	8.5	-	-	-	-	-	-	21000	50400	29400	2.4	-	-	-	-
Soil Science																		
9	Rice, Rapeseed	Soil management	3	45.0	48.0	-6%	48.0	42.0	-	-	27210	45000	17790	1.84	25000	48000	23000	1.92
				12.5	8.0	56.25%	15.5	12.5	Siliqua/pl=129 Ht/pl= 119cm Br/pl= 9	Siliqua/pl=110 Ht/pl= 109cm Br/pl= 7	22000	68750	44000	3.13	20000	44000	22000	2.20
10	Lentil	fertility management	1	11.0	7.25	52.0%	13.5	7.5	Br/pl=5.5 Ht/pl= 23.4 cm	Br/pl=5 Ht/pl= 23.0 cm	22500	71500	49000	3.18	20100	47125	27025	2.34
Horticulture																		
11	Watermelon	ICM	0.26	618.8	318.0	94.6%	675.4	275.6	Fr/p=6 Fr/wt=6.3kg	Fr/p=4 Fr/wt=5.1kg	120000	618800	498800	5.16	110000	318000	208000	2.89
12	Ber	Weed & water management	0.26	220.5	185.05	19.15%	240.5	170.5	-	-	129525	882000	8690475	6.81	120000	740200	620200	6.17

***H-Highest recorded yield, L- Lowest recorded yield**
**** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio**
Produce Sale Price must be as per MSP or Registered Marketing Society
Pl. apply the formula: Net Return= Gross Return-Gross Cost, BCR= GR/GC

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

d. Extension and Training activities under FLD on Crops

Sl.No.	Activity	No. of activities organised	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days	18	02/11/17, 14/11/17, 15/11/17, 16/11/17 17/11/17, 23/11/17, 21/12/17, 22/12/17 06/01/18, 22/01/18, 29/01/18, 16/02/18, 19/02/18, 21/02/18, 22/02/18, 23/02/18, 24/02/18, 21/03/18,	244	333	577	
2	Farmers Training	4	03/08/17, 25/10/17, 25/11/17,14/02/18	53	91	144	
3	Media coverage (Cluster FLD on pulse and lentil)	-	-	-	-		
4	Training for extension functionaries	-	-	-	-	-	
5	Any other (Pl. specify)	-	-	-	-	-	
	Total	22		297	424	721	

e. Details of FLD on Enterprises

(i) Farm Implements: NIL

Name of the implement	Crop	No. of farmers	Area (ha)	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		

**** Field efficiency, labour saving etc.***

(ii) Livestock Enterprises

Sl. No.	Enterprise/ Category (e.g., Dairy, Poultry etc.)	Thematic area	Name of Technology	No. of farmers	No. of units	No. of animals, poultry birds	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)		Remarks		
							Demo	Check		Demo	Check	GC **	GR **	NR **	BCR**	GC	GR	NR	BCR	

						etc.	**er**	
1	Quail	Breed introduction	Demonstration on quail farming for additional income generation. Technology: Scientific Quail rearing	3	3	120	Weekly weight gain upto start of lay egg:0 day: 8.6g, 7 days: 26.9g, 14 days: 34.6g, 21 days: 67.2g, 28days: 103.5g, 35 days: 117.2g, 42 days: 127.2g. Weekly feed requirement up to start of lay egg: 0 day: 1g, 7 days: 5g, 14 days: 10g, 21 days: 15g, 28days: 20g, 35 days: 25g, 42 days:30g. Age at 1st lay egg: 62 days	Egg production 1st 6 months: 120 eggs C:B ratio for 6 month egg production: 1.8
2	Turkey	Breed introduction	Performance of turkey birds for meat production. T1: Turkey chicks as quality input	3	3	45	Av. Body weight on 0 days: 62g, !st week: 240g, 2nd wk: 465g, 3rd wk: 610g, 1month: 840g, 2 month: 1.3kg 3rd month: 2.5kg and 4th month: 3.8kg	Ongoing
3	Goat	Breed improvement	Crossbreeding of local goat with beetle buck/ Sikkim germplasm Technology: Crossbreeding for increased vigour in crossbred kids	3	3	3	Avg body weight at birth and 1st month for crossbred kids are 1.8 kg and 2.5 kg as compare to 950 g and 1.6 kg in case of local kids	Ongoing
4	Duck	Breed introduction	Performance of Indian Runner ducks Technology: Indian Runner as improved duck breed	3	3	100	Body weight (kg): 1 month: 0.215 (Male), .189 (Female) 3month: 1.85 (Male), 1.65 (Female) Mortality: 4% (till Now) Age at 1st lay egg: 135 days Weight at 1st lay of egg: 65g	Though Body weight gain of technology and local check is almost similar, age at 1st lay and egg production is significantly higher in technology

**** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio**

Produce Sale Price must be as per MSP or Registered Marketing Society

Pl. apply the formula: Net Return= Gross Return-Gross Cost, BCR= GR/GC

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

(iii) Fisheries :Nil

Sl. No.	**Category, e.g. Common carp, ornamental fish etc.**	**Thematic area**	**Name of Technology**	**No. of farmers**	**No. of units**	**No. of fish/ fingerlings**	**Major Performance parameters / indicators**		**% change in the parameter**	**Other parameters (if any)**		**Econ. of demo. (Rs./Ha.)**				**Econ. of check (Rs./Ha.)**				**Remarks**
							Demo	**Check**		**Demo**	**Check**	**GC****	**GR****	**NR****	**BCR****	**GC**	**GR**	**NR**	**BCR**	

***** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio***

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

(iv) Other enterprises

Sl. No.	Category/ Enterprise, e.g., mushroom, vermicompost, apiculture etc.	Thematic area	Name of Technology	No. of farmers	No. of units	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
						Demo	**Check**		Demo	Check	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR	
1	Vermicompost	soil management	Production of vermicompost in low cost vermicompost unit and yield performance of vegetables and other crops after its application	10	10	40 kg/m3	-	-	-	-	750	4000	3250	5.33	-	-	-	-	on going
2	Honey bee	Beneficial insect	Scientific beekeeping for economic upliftment	5	5	Avg. honey production from Nov 2016 to March 2017=9.5kg/bee hive	-	6% increase in toria production	-	-	2500	4750	2250	1.9 (Six month result)	-	-	-	-	Initial cost of one beehive with colony=2500.00 ,Income from 9.5 kg honey =4750.00 (@500 per kg honey)
3	Milky Mushroom	Coordination/ Convergence/ Linkages promoted / created	Year round Mushroom cultivation for rural youths	100	10	3 KG/CYLLINDER	2 kg/cyllinder	**50 %increase**			90	270	180	2.85	75	180	105	1.9	More farmers are interested
4	Oyster Mushroom	Coordination/ Convergence/ Linkages promoted / created	Year round Mushroom cultivation for rural youths	100	10	4 kg/cyllinder	2.5 kg/cyllinder	**60 %increase**			100	300	200	3:1	80	200	120	2.2	More farmers are interested -

***** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio***

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

(v) Farm Implements and Machinery : Nil

Sl. No.	Name of implement	Crop	Name of Technology demonstrated	No. of farmers	Area (In ha.)	Field observation (Output/ man-hours)		% change in the parameter	Labour reduction (Man days)	Cost reduction (Rs. per ha. or Rs. per unit etc.)	Remarks
						Demo	Check				
-	-	-	-	-	-	-	-	-	-	-	-

f. Performance of FLD on Crop Hybrids: **Nil**

Sl. No.	Crop	Name of hybrids	Area (ha.)	No. of farmers	Avg. yield (Q/ha.)		% increase in Avg. yield	Additional data on demo. yield (Q/ha.)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)			
					Demo.	Check		H*	L*	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

****H-Highest recorded yield, L- Lowest recorded yield***

***** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio***

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

h. Performance of cluster demonstration on Oilseed and Pulses crops

Sl. No.	Crop	Thematic area	Number of farmers	Area (ha.)	Avg. yield (Q/ha.)		% increase in Avg. yield	Additional data on demo. yield (Q/ha.)		Data on parameters other than yield, e.g., disease incidence, pest incidence etc.		Econ. of demo. (Rs./ha.)				Econ. of Check (Rs./Ha.)			
					Demo.	Check		H*	L*	Demo	Local	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR
Oilseed																			
1	Toria and	Double	173	50.0	12.5	7.50	66.67%	14.0	9.30	Siliqua/pl	Siliqua/p	22000	68750	46750	3.13	20000	41250	21250	2.06

	mustard	Cropping								=122 Ht/pl= 130cm Br/pl= 8	l=98.5 Ht/pl= 100.5 cm Br/pl= 5								
2	Sesamum	Double Cropping	72	50.0	8.12	5.22	55%	8.5	7.8	-	-	19300	48540	29240	2.51	16300	32280	15980	1.98
3	Niger	Double cropping	50	20.0	6.5	3.5	85%	7.0	4.0	-	-	11500	32500	22000	2.82	9000	17500	8500	1.94
4	Linseed	Double Cropping	42	20.0	11.0	6.0	83%	13.0	9.0	-	-	18500	55000	36500	2.97	17500	30000	12500	1.71
Pulse																			
5	Lentil	Double Cropping	97	50.0	12.0	7.00	71%	14.5	8.00	Br/pl=6 Ht/pl= 25.5 cm	Br/pl=4 Ht/pl= 23.0 cm	22500	78000	55500	3.47	20100	45500	25400	2.26
6	Pea	Double Cropping	71	10.0	16.0	10.5	52%	17.0	12.0	-	-	33500	160000	126500	4.78	30200	105000	74800	3.48
7	Blackgram	Double cropping	15	10.0	6.09	5.38	13%	7.5	5.10	Br/pl=12 Ht/pl= 70 cm NO.of pod=42 seed/pod =8	Br/pl=7 Ht/pl= 50 cm NO.of pod=28 seed/pod=15	19300	34720	15420	1.79	18500	26900	8400	1.45

i. Performance of Tribal Sub Plan Programme (TSP)

Sl. No.	Crop	Thematic area	Number of farmers	Area (ha.)	Avg. yield (Q/ha.)		% increase in Avg. yield	Additional data on demo. yield (Q/ha.)		Data on parameters other than yield, e.g., disease incidence, pest incidence etc.		Econ. of demo. (Rs./ha.)				Econ. of Check (Rs./Ha.)			
					Demo.	Check		H*	L*	Demo	Local	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR
1	Pig	Semi Scientific management	3	17 nos.							ongoing								
2	Duck	Scientific management	10	200 nos.							ongoing								
3	poultry	Scientific management	10	200 nos.							ongoing								
4	Toria	Rice fallow	53	20.0	12.5	7.50	66.67%	14.0	9.30	Siliqua/pl =122 Ht/pl= 130cm	Siliqua/pl=98 .5 Ht/pl= 100.5 cm	22000	68750	46750	3.13	20000	41250	21250	2.06

										Br/pl=8	Br/pl= 5								
5	Buckwheat	Rice fallow	52	30 ha	11.0	8.0	37.5%	12.5	10.0	-	-	15000	55000	40000	3.7	14000	40000	26000	2.85

j. Technology Showcasing

Crop / Enterprise	Technology demonstrated	Area (ha)	Nos. of beneficiaries	Avg. yield (Q/ha.)		BC Ratio (Demos)
				Demo.	Check	
Sali Rice	Var:Gitesh	76.75	165	60.0	50.0	1.55
Sali Rice	Var:Shraboni	23.25	50	50.0	52.0	1.50
BlackGram	Var:PU-31	50.0	115	6.0	3.0	1.83

3.3. Achievements on Training

3.3.1. Farmers and Farm Women in On Campus including Sponsored On Campus Training Programmes (*Sp. On means On Campus training programmes sponsored by external agencies)

Thematic area	No. of Courses/ prog			Participants																		
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	On-Campus (1)	Spon On* (2)	Total (1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a=4+6)	Sp. On (b=5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c=8+10)	Sp. On (d=9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x=a+c)	Sp. On (y=b+d)	Grand Total (x + y)
I. Crop Production																						
Weed Management																						
Resource Conservation Technologies																						
Cropping Systems																						
Crop																						

Diversification																						
Integrated Farming																						
Water management																						
Seed production																						
Nursery management																						
Integrated Crop Management																						
Fodder production																						
Production of organic inputs																						
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops																						
Off-season vegetables																						
Nursery raising																						
Exotic vegetables like Broccoli																						
Export potential vegetables																						

Grading and standardization																						
Protective cultivation (Green Houses, Shade Net etc.)																						
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																					
c) Ornamental Plants																					
Nursery Management																					
Management of potted plants																					
Export potential of ornamental plants																					
Propagation techniques of Ornamental Plants																					
d) Plantation crops																					
Production and Management technology																					
Processing and value addition																					
e) Tuber crops																					
Production and Management technology																					
Processing and value addition																					
f) Spices																					
Production																					

and Management technology																						
Processing and value addition																						
g) Medicinal and Aromatic Plants																						
Nursery management																						
Production and management technology																						
Post harvest technology and value addition																						
III Soil Health and Fertility Management																						
Soil fertility management																						
Soil and Water Conservation																						
Integrated Nutrient Management																						
Production and use of organic inputs																						
Management of Problematic soils																						
Micro nutrient																						

deficiency in crops																						
Nutrient Use Efficiency																						
Soil and Water Testing																						
IV Livestock Production and Management																						
Dairy Management																						
Poultry Management																						
Piggery Management																						
Rabbit Management																						
Disease Management																						
Feed management																						
Production of quality animal products																						
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																						
Gender mainstreaming through SHGs																						
Storage loss minimization techniques																						
Value addition																						
Income generation activities for empowerment of rural Women																						
Location specific drudgery reduction technologies																						
Rural Crafts																						
Women and																						

child care																						
VI Agril. Engineering																						
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																						
VII Plant Protection																						
Integrated Pest Management																						
Integrated Disease Management																						

Bio-control of pests and diseases																						
Production of bio control agents and bio pesticides																						
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																						
IX Production of Inputs at site																						
Seed Production																						
Planting material production																						
Bio-agents production																						
Bio-pesticides production																						
Bio-fertilizer production																						
Vermi-compost production																						
Organic manures production																						
Production of fry and fingerlings																						
Production of																						

Bee-colonies and wax sheets																						
Small tools and implements																						
Production of livestock feed and fodder																						
Production of Fish feed																						
X Capacity Building and Group Dynamics																						
Leadership development																						
Group dynamics																						
Formation and Management of SHGs	1	0	1	2	0	2	0	4	0	18	0	3	0	21	0	20	0	5	0	25	0	25
Mobilization of social capital																						
Entrepreneurial development of farmers/youths																						
WTO and IPR issues																						
XI Agro-forestry																						

Production technologies																						
Nursery management																						
Integrated Farming Systems																						
TOTAL	**1**	**0**	**1**	**2**	**0**	**2**	**0**	**4**	**0**	**18**	**0**	**3**	**0**	**21**	**0**	**20**	**0**	**5**	**0**	**25**	**0**	**25**

3.3.2. Achievements on Training of <u>Farmers and Farm Women</u> in <u>Off Campus</u> including <u>Sponsored Off Campus</u> Training Programmes
(*Sp. Off means Off Campus training programmes sponsored by external agencies)

Thematic area	No. of Courses/ prg.			Participants																		Grand Total
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	Off	Sp Off*	Total	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
I. Crop Production																						
Weed Management																						
Resource Conservation Technologies																						
Cropping Systems																						
Crop Diversification																						
Integrated Farming																						
Water management																						

Seed production	1	0	1	17	0	6	0	23	0	2	0	0	0	2	0	19	0	6	0	25	0	25
Nursery management																						
Integrated Crop Management	3	0	3	46	0	4	0	50	0	14	0	11	0	25	0	60	0	15	0	75	0	75
Fodder production																						
Production of organic inputs																						
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops																						
Off-season vegetables																						
Nursery raising																						
Exotic vegetables like Broccoli																						
Export potential vegetables																						
Grading and standardizatio n																						

Protective cultivation (Green Houses, Shade Net etc.)																						
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																						
c) Ornamental Plants																						

Nursery Management																					
Management of potted plants																					
Export potential of ornamental plants																					
Propagation techniques of Ornamental Plants																					
d) Plantation crops																					
Production and Management technology																					
Processing and value addition																					
e) Tuber crops																					
Production and Management technology																					
Processing and value addition																					
f) Spices																					

Production and Management technology																						
Processing and value addition																						
g) Medicinal and Aromatic Plants																						
Nursery management																						
Production and management technology																						
Post harvest technology and value addition																						
III Soil Health and Fertility Management																						
Soil fertility management																						
Soil and Water Conservation																						
Integrated Nutrient Management	1	0	1	0	0	0	0	0	0	25	0	0	0	25	0	25	0	0	0	25	0	25
Production and use of organic inputs	1	0	1	24	0	0	25		0	0	0	0	0	0	0	24	0	1	0	25	0	25
Management of Problematic																						

soils																						
Micro nutrient deficiency in crops																						
Nutrient Use Efficiency																						
Soil and Water Testing	1	0	1	23	0	2	0	25	0	0	0	0	0	0	0	23	0	2	0	25	0	25
IV Livestock Production and Management																						
Dairy Management	1	0	1	0	0	0	0	0	0	0	0	25	0	25	0	0	0	25	0	25	0	25
Poultry Management																						
Piggery Management																						
Rabbit Management																						
Disease Management	1	0	1	10	0	13	0	23	0	2	0	0	0	2	0	12	0	13	0	25	0	25
IFS	1	0	1	0	0	0	0	0	0	0	0	25	0	25	0	0	0	25	0	25	0	25
Production of quality animal products	1	0	1	0	0	0	0	0	0	1	0	26	0	27	0	1	0	26	0	27	0	27
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																						
Gender mainstreaming through SHGs																						
Storage loss minimization techniques																						
Value addition																						
Income generation activities for empowerment of rural Women																						
Location specific																						

drudgery reduction technologies																						
Rural Crafts																						
Women and child care																						
VI Agril. Engineering																						
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																						

VII Plant Protection																						
Integrated Pest Management	2	0	2	25	0	0	0	25	0	18	0	7	0	25	0	43	0	7	0	50	0	50
Integrated Disease Management	1	0	1	21	0	0	0	21	0	1	0	0	0	1	0	22	0	0	0	22	0	22
Bio-control of pests and diseases																						
Production of bio control agents and bio pesticides																						
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																						
IX Production of Inputs at site																						
Seed Production																						
Planting material production																						
Bio-agents production																						
Bio-pesticides production																						
Bio-fertilizer production																						

Vermi-compost production																						
Organic manures production																						
Production of fry and fingerlings																						
Production of Bee-colonies and wax sheets																						
Small tools and implements																						
Production of livestock feed and fodder																						
Production of Fish feed																						
X Capacity Building and Group Dynamics																						
Leadership development																						
Group dynamics																						
Formation and Management of SHGs																						
Mobilization of social																						

capital																						
Entrepreneurial development of farmers/youths Mushroom cultivation	1	0	1	0	0	0	0	0	0	20	0	5	0	25	0	20	0	5	0	25	0	25
WTO and IPR issues																						
XI Agro-forestry																						
Production technologies																						
Nursery management																						
Integrated Farming Systems																						
TOTAL	**15**	**0**	**15**	**166**	**0**	**26**	**0**	**192**	**0**	**83**	**0**	**99**	**0**	**182**	**0**	**249**	**0**	**125**	**0**	**74**	**0**	**374**

(B) RURAL YOUTH

3.3.3. Achievements on Training Rural Youth in On Campus including Sponsored On Campus Training Programmes

(*Sp. On means On Campus training programmes sponsored by external agencies)

Thematic area	No. of Courses/ Prog			Participants																		Grand Total (x + y)
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	On (1)	Sp On* (2)	Total (1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a= 4+6)	Sp. On (b= 5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c= 8+10)	Sp. On (d= 9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+1 1)	On (x= a +c)	Sp. On (y= b +d)	
Mushroom																						

Production																						
Bee-keeping	1	0	1	0	0	0	0	0	0	13	0	12	0	25	0	13	0	12	0	25	0	25
Integrated farming																						
Seed production	1	0	1	0	0	0	0	0	0	11	0	9	0	20	0	11	0	9	0	20	0	20
Production of organic inputs																						
Integrated Farming	1	0	1	5	0	0	0	5	0	4	0	1	0	5	0	9	0	1	0	10	0	10
Planting material production																						
Vermi-culture																						
Soil and Water Testing																						
Sericulture																						
Protected cultivation of vegetable crops																						
Commercial fruit production																						
Repair and maintenance of farm machinery and implements																						
Nursery Management																						

of Horticulture crops																						
Training and pruning of orchards																						
Commercial flower cultivation																						
Value addition																						
Production of quality animal products																						
Dairying	1	0	1	5	0	0	0	5	0	4	0	1	0	5	0	9	0	1	0	10	0	10
Sheep and goat rearing																						
Quail farming																						
Piggery																						
Rabbit farming																						
Poultry production																						
Ornamental fisheries																						
Para vets																						
Para extension workers																						
Composite fish culture																						
Freshwater prawn culture																						
Shrimp farming																						

Pearl culture																						
Cold water fisheries																						
Fish harvest and processing technology																						
Fry and fingerling rearing																						
Small scale processing																						
Post Harvest Technology																						
Tailoring and Stitching																						
Rural Crafts																						
TOTAL	**4**	**0**	**4**	**10**	**0**	**0**	**0**	**10**	**0**	**32**	**0**	**23**	**0**	**55**	**0**	**42**	**0**	**23**	**0**	**65**	**0**	**65**

3.3.4. Achievements on Training of <u>Rural Youth</u> in <u>Off Campus</u> including <u>Sponsored Off Campus</u> Training Programmes
(*Sp. Off means Off Campus training programmes sponsored by external agencies)

Thematic area	No. of Courses/ Prog.			Participants																		Grand Total
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	Off	Sp Off	Total	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
Crop diversification	1	0	1	18	0	7	0	25	0	0	0	0	0	0	0	18	0	7	0	25	0	25
Oyster Mushroom Production	2	0	2	11	0	6	0	17	0	12	0	22	0	34	0	23	0	28	0	51	0	51

Formation of groups																						
Bee-keeping																						
Integrated farming																						
Integrated crop management																						
Seed production	2	0	2	24	0	1	0	25	0	11	0	14	0	25	0	35	0	15	0	50	0	50
Production of organic inputs	1	0	1	0	0	0	0	0	0	25	0	0	0	25	0	25	0	0	0	25	0	25
Integrated Farming																						
Planting material production																						
Vermi-culture																						
Soil and Water Testing	1	0	1	4	0	0	0	4	0	21	0	0	0	21	0	25	0	0	0	25	0	25
Sericulture																						
Protected cultivation of vegetable crops																						
Commercial fruit production																						
Repair and maintenance of farm machinery and implements																						
Nursery Management of Horticulture																						

crops																						
Training and pruning of orchards																						
Value addition																						
Production of quality animal products																						
Dairying																						
Sheep and goat rearing																						
Quail farming																						
Piggery																						
Rabbit farming																						
Poultry production																						
Ornamental fisheries																						
Para vets																						
Para extension workers																						
Composite fish culture																						
Freshwater prawn culture																						
Shrimp farming																						
Pearl culture																						
Cold water fisheries																						
Fish harvest and processing technology																						
Fry and fingerling																						

rearing																						
Small scale processing																						
Post Harvest Technology																						
Tailoring and Stitching																						
Rural Crafts																						
TOTAL	**7**	**0**	**7**	**57**	**0**	**14**	**0**	**71**	**0**	**69**	**0**	**36**	**0**	**105**	**0**	**126**	**0**	**0**	**50**	**176**	**0**	**176**

C. Extension Personnel

3.3.5. Achievements on Training of Extension Personnel in On Campus including Sponsored On Campus Training Programmes
(*Sp. On means On Campus training programmes sponsored by external agencies)

Thematic area	No. of Courses/ prog			Participants																		Grand Total (x + y)
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	On (1)	Sp On* (2)	Total (1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a= 4+6)	Sp. On (b= 5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c= 8+10)	Sp. On (d= 9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x= a +c)	Sp. On (y= b +d)	
Productivity enhancement in field crops																						
Horticulture based Cropping system																						
Seed Production	1	0	1	5	0	17	0	22	0	8	0	0	0	8	0	13	0	17	0	30	0	30
Integrated Pest Management	1	0	1	2	0	0	0	2	0	6	0	20	0	26	0	8	0	20	0	28	0	28
Integrated Nutrient management																						

Rejuvenation of old orchards																						
Protected cultivation technology																						
Formation and Management of SHGs																						
Group Dynamics and farmers organization																						
Information networking among farmers																						
Capacity building for ICT application																						
Care and maintenance of farm machinery and implements																						
WTO and IPR issues																						
Management in farm animals																						
Livestock feed and fodder production	1	0	1	9	0	0	0	9	0	8	0	3	0	11	0	17	0	3	0	20	0	20
Household food security																						
Women and																						

Child care																						
Low cost and nutrient efficient diet designing																						
Production and use of organic inputs	1	0	1	3	0	0	0	3	0	7	0	15	0	22	0	10	0	15	0	25	0	25
Gender mainstreaming through SHGs																						

3.3.6. Achievements on Training of <u>Extension Personnel</u> in <u>Off Campus</u> including <u>Sponsored Off Campus</u> Training Programmes
(*Sp. Off means Off Campus training programmes sponsored by external agencies)

Thematic area	No. of Courses/ prog.			Participants																		Grand Total
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	Off	Sp Off*	Total	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
Productivity enhancement in field crops																						
Integrated Pest Management																						
Integrated Nutrient management																						
Rejuvenation of old orchards																						
Protected cultivation																						

technology																						
Formation and Management of SHGs																						
Group Dynamics and farmers organization																						
Information networking among farmers	1	0	1	21	0	3	0	24	0	1	0	0	0	1	0	22	0	3	0	25	0	25
Capacity building for ICT application																						
Care and maintenance of farm machinery and implements																						
WTO and IPR issues																						
Management in farm animals																						
Livestock feed and fodder production																						
Household food security																						
Women and Child care																						
Low cost and nutrient efficient diet designing																						

Production and use of organic inputs																						
Gender mainstreaming through SHGs																						
TOTAL	**5**	**0**	**5**	**40**	**0**	**20**	**0**	**60**	**0**	**30**	**0**	**38**	**0**	**68**	**0**	**70**	**0**	**58**	**0**	**128**	**0**	**128**

Note: Please furnish the details of above training programmes as <u>Annexure</u> in the proforma given below

Annexure 1: Details of Training Programme (On Campus including Sponsored On Campus) for Farmers, Farm Women, Rural Youth and Extension Personnel

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
Farmer & Farm women															
Horticulture	Nursery raising	Nursery raising for self employment	10.07.17-14.07.17	5	KVK, Chirang	F/FW	16	0	16	5	2	7	21	2	23
TOTAL				**5**			**16**	**0**	**16**	**5**	**2**	**7**	**21**	**2**	**23**
Rural Youth															
Plant Protection	Beneficial insect	Scientific beekeeping for economic upliftment	26.02.18, 27.02.18, 03.03.18	3	KVK, Chirang	RY	0	0	0	13	12	25	13	12	25
Plant Breeding and Genetics	Seed production	Seed production technology and seed certification procedure of different field crops	22.03.18 to 27.03.18	5	KVK, Chirang	RY	0	0	0	11	9	20	11	9	20
Animal Science	IFS	Livestock based Integrated Farming System		5	KVK, Chirang	RY	5	0	5	4	1	5	9	1	10
Agricultural Economics	Capacity building	Formation and management of SHG	28.11.2017 to 02.12.2017	5	KVK Chirang	RY	2	2	4	18	3	21	20	5	25
TOTAL				**18**			**7**	**2**	**9**	**46**	**25**	**71**	**53**	**27**	**80**
EP and NGO Personnel															

Plant Breeding and Genetics	Seed production	Certification procedure of different field crops	26.05.2017	1	KVK Chirang	Extension Functionaries	5	0	5	8	17	25	13	17	30
Soil science	Production and use of organic inputs	Production technology of biofertilizer and its utilization in farmers field to sustain soil health	16.03.18	1	KVK Chirang	Extension functionaries	3	0	3	7	15	22	10	15	25
Plant Protection	IPM	Recent advancement in pest and disease management in agriculture	15.03.18	1	KVK, Chirang	Extension functionaries	2	0	2	6	20	26	8	20	28
TOTAL				**3**			**10**	**0**	**10**	**21**	**52**	**73**	**31**	**52**	**83**

Annexure 2: Details of Training Programme (Off Campus including Sponsored Off Campus) for Farmers, Farm Women, Rural Youth and Extension Personnel

Discipline	**Area of training**	**Title of the training programme**	**Date (From – To)**	**Duration in days**	**Venue**	**Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)**	**General participants**			**SC/ST**			**Grand Total**		
							M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Farmer and Farm Women															
Agronomy	Crop production	Scientific method of cultivation of maize and rice in rice – maize sequence	11.10.17,12.10.17, 13.10.17, 18.10.17, 26.10.17	5	Duttapur	Farmer & Farm women	0	0	0	14	11	25	14	11	25
Agronomy	Crop production	Scientific method of cultivation of jute Scientific method of cultivation of rabi pulse crop in rice – pulse sequence	22.02.18 , 23.02.18, 24.02.18, 26.02.18, 27.02.18	5	Palanchuguri	Farmer & Farm women	25	0	25	0	0	0	25	0	25

Agronomy	Crop production	Scientific method cultivation of rabi oilseed crops in rice – toria sequence	22.03.18, 23.03.18, 24.03.18, 24.03.18, 26.03.18, 27.03.18	5	Bhutkura	Farmer & Farm women	21	4	25	0	0	0	21	4	25
Plant Breeding and Genetics	Seed production	Seed production technology and scientific cultivation practices of cereals	20.06.17, 31.10.17, 01.11.17, 02.11.17, 03.11.17	5	Lakhipur	Farmer & Farm women	17	6	23	2	0	2	19	6	25
Plant Breeding and Genetics	Crop Diversification	Crop diversification in sand and silt deposited areas	21.07.17, 08.08.17, 09.08.17	3	Dipu-Tunkubari	Farmer & Farm women	18	7	25	0	0	0	18	7	25
Plant Protection	IPM	Integrated pest and disease management in rice.	11.07.17, 12.07.17, 10.10.17, 11.10.17, 12.10.17	5	Bangaljhora	Farmer & Farm women	25	0	25	0	0	0	25	0	25
Plant Protection	IPM	Integrated pest and disease management in winter vegetables.	20.11.17, 21.11.17, 22.11.17, 23.11.17, 25.11.17	5	Mwkwanaguri	Farmer & Farm women	0	0	0	18	7	25	18	7	25
Plant Protection	IDM	Integrated pest and disease management in oilseed and pulses	20.01.18, 21.01.18, 22.01.18, 23.01.18 24.01.18	5	Saragaon	Farmer & Farm women	21	0	21	1	0	1	22	0	22
Soil Science	Production and use of organic inputs	Production technology of biofertilizer and its utilization in farmers field to sustain soil health	23.06.17, 29.08.17, 30.08.17, 31.08.17, 01.09.17	5	Bangaljhora	Farmer & Farm women	24	1	25	0	0	0	24	1	25
Soil Science	Soil fertility management	Soil testing procedures and its importance in crop production	16.09.17, 18.09.17, 19.09.17, 20.09.17, 21.09.17	5	South Bamungaon	Farmer & Farm women	23	2	25	0	0	0	23	2	25

Soil Science	Soil fertility management	INM in rice based cropping system	13.02.18, 16.02.18, 19.02.18, 20.02.18, 21.02.18	5	Denaipara	Farmer & Farm women	0	0	0	25	0	25	25	0	25
Animal Science	Health care management	Preventive healthcare management, Diagnosis and treatment of livestock diseases.	30.06.17, 11.10.17 to 14.10.17	5	Choto Nilibari	Farmer & Farm women	10	13	23	2	0	2	12	13	25
Animal Science	Dairy Science	Scientific Dairy Farming and fodder production technology	23.10.17 to 27.10.17	5	Deolguri	Farmer & Farm women	0	0	0	0	25	25	0	25	25
Animal Science	IFS	Integrated Farming System	02.01.18 to 06.01.18	5	Thuribari	Farmer & Farm women	0	0	0	0	25	25	0	25	25
Animal Science	Marketing of livestock products	Production and marketing of livestock products	13.03.18 to 17.03.18	5	Dangtol	Farmer & Farm women	0	0	0	1	26	27	1	26	27
Agricultural Economics	Marketing management	Marketing of Agricultural and Horticultural Produce	29.06.17 30.06.17 19.07.17 20.07.17 21.07.17	5	Mwkwnaguri	Farmer & Farm women	0	0	0	20	5	25	20	5	25
Total				**78**			**184**	**33**	**217**	**83**	**99**	**182**	**267**	**132**	**399**
Rural Youth															
Plant Breeding and Genetics	Seed production	Seed production technology and scientific cultivation practices of oilseed crops	27.11.17, 28.11.17, 29.11,17, 30.11.17, 01.12.17	5	Patalmari	Rural youth	4	0	4	21	0	21	25	0	25
Plant Breeding and Genetics	Seed production	Seed production technology and improved cultivation practices of pulse crops	12.02.18, 13.02.18, 14.02.18, 15.02.18, 17.02.18	5	Odalguri	Rural youth	0	0	0	25	0	25	25	0	25
Soil Science	Soil fertility management	Soil testing procedures and its importance in crop production	19.12.17, 20.12.17, 21.12.17, 22.12.17, 23.12.17	5	1 no Amguri (Khagrabari)	Rural youth	4	0	4	21	0	21	25	0	25
Soil Science	Production of organic inputs	Production technology of biofertilizer(Azolla,	03.11.17, 08.11.17,	4	Mwkwnaguri	Rural youth	0	0	0	25	0	25	25	0	25

		Vermicompost and Enriched compost)	09.11.17, 11.11.17													
Agricultural Economics	Mushroom production	Year round Mushroom cultivation for rural youths	03.07.17 04.07.17 05.07.17 06.07.17 07.07.17	5	Dababil	Rural youth	11	6	17	4	5	9	15	11	26
Agricultural Economics	Mushroom production	Year round Mushroom cultivation for rural youths	12.01.18 13.01.18 14.01.18 15.01.18 16.01.18	5	Dangtol	Rural youth	0	0	0	08	17	25	08	17	25
TOTAL				**29**			**39**	**7**	**46**	**69**	**36**	**105**	**108**	**43**	**151**
EP and NGO Personnel															
Agricultural Economics	Capacity building	Information networking among farmers	2302.18	1	Bijni	Extension functionaries	21	3	24	1	0	1	22	3	25
TOTAL															

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date (From – To)	Duration (days	Area of training	Training title*	No. of Participants									Impact of training in terms of Self employment after training				Whether Sponsored by external funding agencies (Please Specify with amount of fund in Rs.)
					General			SC/ST			Total							
					M	F	T	M	F	T	M	F	T	Type of enterprise ventured into	Number of units	Number of persons employed	Avg. Annual income in Rs. generated through the enterprise	
Honey bee	26.02.18, 27.02.18, 03.03.18	3	Beneficial insect	Scientific beekeeping for economic upliftment	0	0	0	13	12	25	13	12	25	ISI-A type beehive with honey bee colony(*Apis*	05	05	12000.00 to 15000.00	No

														cerena)				
Biofertilizer	03.11.17, 08.11.17, 09.11.17, 11.11.17	4	Production of organic inputs	Production technology of biofertilizer(Azolla, Vermicompost and Enriched compost)	0	0	0	25	0	25	25	0	25	Low cost Vermicompost production unit	10	10	8000.00	No
Seed Production technique	22.03.2018, 23.03.2018, 24.03.2018, 25.03.2018, 27.03.2018	5	Seed Production	Seed production technology and seed certification procedure of different field crops	0	0	0	11	9	0	11	9	20	Seed production and certification	5	5	25000	No
IFS		5	Livestock production	Livestock based Integrated Farming System	5	0	5	4	1	5	9	1	10	Fish cum duck cum horticultural IFS	3	3	10000	No
Mushroom	11.02.2018 to 16.02.2018	5	Mushroom production	Year round Mushroom cultivation for economic upliftment	6	7	13	7	5	12	13	12	25	self dependent after mushroom cultivation by selling mushroom	10	50	25000	No
TOTAL					**11**	**7**	**18**	**60**	**27**	**67**	**71**	**34**	**105**		**33**	**73**		

*training title should specify the major technology /skill transferred

Annexure 3: Only Sponsored Training Programmes (On, Off and Vocational)

On/ Off/ Vocational	Beneficiary group (F/ FW/ RY/ EP)	Date (From-To)	Duration (days)	Discipline	Area of training	Title	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
							General			SC/ST			Total				
							M	F	T	M	F	T	M	F	T		
Off	F	18.11.17	1 day	Agriculture	Resource conservation technologies	Agricultural workshop on Petroleum product conservation	0	0	0	64	0	64	64	0	64	PCRA, Ministry of Petroleum and Natural Gas	7500/-
Total							**0**	**0**	**0**	**64**	**0**	**64**	**64**	**0**	**64**		**7500/-**

3.4. Extension Activities (including activities of FLD programmes) (Please mention specific Extension Activity conducted by the KVK such as Field Day, Kisan Mela, Exhibition, Diagnostic Visit, etc) during 2017-18

Sl. No.	Extension Activity	Topic	Date and duration	No. of activities	Participnts											
					General (1)			SC/ST (2)			Extension Officials (3)			Grand Total (1+2)		
					M	F	T	M	F	T	M	F	T	M	F	T
1	Advisory services	ICM,INM,IPM,Bee keeping, animal rearing, seed production, marketing, vermin-composting, soil testing, entrepreneurship development etc.		300	65	35	100	140	50	190	10	0	10	225	75	300
2	Diagnostic visit	Nursery management	08/06/17,12/7/17,12/08/17,12/08/17, 20/08/17, 29/10/17	33	15	20	35	16	10	26	5	2	7	36	32	68
		False grain hybrid rice, Stem borer in rice	25/08/17,3/09/17,09/09/17, 21/10/17, 22/10/17, 27/10/17		25	5	30	30	17	47	5	2	7	60	24	84
		Parasitic disease cattle	12/04/17,20/04/17, 17/6/17, 20/7/17		7	0	7	10	7	17	2	0	2	19	7	26
		Infertility in dairy cows	12/05/17, 19/10/17, 20/12/17, 14/02/18		6	5	11	14	10	24	2	0	2	22	15	37
		Brown spot and blast of rice	22/09/17, 27/09/17		0	0	0	5	0	5	2	0	2	7	0	7
		Nutrient deficiency in banana and tomato	20/12/17,26/12/17, 05/01/18, 22/01/18		6	0	6	5	2	7	2	1	3	13	3	16
		FMD in cattle, piggery	25/01/18, 09/02/18		3	0	3	5	0	5	1	0	1	9	0	9
		Aphid attack in toria	22/12/17,03/01/18, 16/01/18		5	1	6	6	5	11	4	2	6	15	8	23
		Nutrient deficiency in Rabi maize	09/01/18, 25/02/18		0	0	0	7	0	7	2	0	2	9	0	9
3	Field day	Mushroom cultivation, Varietal performance of Sali rice. Toria cultivation, Maize cultivation, Pea cultivation, Cultivation of watermelon, plasti mulching in okra, cultivation of lentil, cultivation of pea, cultivation of potato, cultivation of sesamum and	02/11/17,14/11/17, 15/11/17, 16/11/17 17/11/17,23/11/17, 21/12/17, 22/12/17 06/01/18,22/01/18, 29/01/18,16/02/18, 19/02/18,21/02/18, 22/02/18,23/02/18, 24/02/18, 21/03/18	18	200	44	244	198	135	333	20	10	30	418	189	607

		linseed, cultivation of niger														
4	Group Discussion	Formation of SHG, formation of Farmers club, formation of Joint liability group, Discussion on doubling income, PRA	22/04/17,19/08/17 21/11/17, 12/01/18	4	24	07	31	18	8	26	4	1	5	46	16	62
5	Kishan Gosthi			0	0	0	0	0	0	0	0	0	0	0	0	0
6	Kishan Mela			0	0	0	0	0	0	0	0	0	0	0	0	0
7	Film show	Vermicomposting, Mushroom cultivation, Piggery, Bee keeping, poultry farming,	12/08/17,15/12/17, 22/12/17,29/12/17, 21/01/18,05/02/18	6	70	25	95	70	35	105	20	5	25	160	65	225
8	SHG formation	Mithinga SHG, Phungbili SHG, Aie valley SHG, Hatipota Women SHG, Nomalpur women SHG, Bornali SHG, Mangalagaon women SHG, Bengalijora SHG, Maa laksmi SHG, Anjali SHG		10	50	15	65	25	30	55	2	0	2	75	45	122
9	Exhibition	PCRA Exhibition, Panbari, PPVFRA Exhibition, Kahikuchi,	18/11/18, 14/12/18	2	70	15	85	65	7	72	5	0	5	140	22	162
10	Scientists visit to farmers fields	Field visit under FLD/OFT/Training/Other extension activities	-	60	13	5	18	20	15	35	6	1	7	39	21	60
11	Plant/ Animal Health camp	Animal Health Camp	18/08/17, 23/08/17 & 07/03/18	3	52	10	62	210	125	335	6	0	6	268	135	403
12	Farm science club			0	0	0	0	0	0	0	0	0	0	0	0	0
13	Ex-trainee Sammelan			0	0	0	0	0	0	0	0	0	0	0	0	0
14	Farmers	Improved cultivation of	25/04/16,	3	170	40	210	150	80	230	0	0	0	320	120	440

	seminar/ workshop	Summer vegetable, Improved cultivation of Sali paddy, Milky Mushroom cultivation,Seed Production	20/05/16, 05/02/18,28/01/18													
15	Method demonstration	Production of Oyster Mushrrom, nursery raising, Application of biofertilizer, Pheromon trap, Preparation of low cost vermin compost, Soil testing, Bee keeping,Seed production	08/04/17,18/06/17, 26/06/17,19/07/17, 10/11/17,03/08/17, 17/08/17,27/08/17, 12/12/17,25/01/17,	10	10	5	15	13	1	14	6	2	8	29	8	37
16	Celebration of important days	World Honeybee Day	19/08/17	1	5	0	5	61	4	65	7	1	8	73	5	78
		Swachhata hi sewa	15/09/17 to 02/10/17	1	320	56	376	220	163	383	6	1	7	546	220	766
		Womens farmers Day	15/10/17	1	31	0	31	20	0	20	6	2	8	57	2	59
		FCAC	06/05/17	1	11	3	14	7	3	10	2	1	3	20	7	27
		World Environment day	05/06/17	1	78	52	130	62	33	95	5	1	6	145	86	231
		New India Manthan Sankalp Se Siddhi	26/08/17	1	285	120	405	150	101	251	8	2	10	435	221	666
		PCRA	18/11/18, 14/12/18	2	70	15	85	65	7	72	5	0	5	140	22	162
		Foudation Day	22/09/17	1	35	15	50	28	22	50	6	1	7	69	38	107
		World Food Day	16/10/17	1	49	6	55	0	0	0	5	1	6	54	7	61
		World Soil Day	05/12/17	1	360	120	480	330	167	497	7	2	9	697	289	986
		Independence day	15/08/17	1	10	0	10	9	2	11	0	0	0	19	2	21
		Republic Day	26/01/18	1	5	0	5	7	0	7	4	0	4	16	0	16
		National Science Day	28/02/18	1	110	61	171	2	8	10	5	1	6	117	70	187
17	Exposure visits	PCRA Exhibition, Panbari, PPVFRA Exhibition, Kahikuchi,	18/11/18, 14/12/18	2	70	15	85	65	7	72	5	0	5	140	22	162
18	Electronic media (CD/DVD)			0	0	0	0	0	0	0	0	0	0	0	0	0
19	Extension literature			0	0	0	0	0	0	0	0	0	0	0	0	0
20	Newspaper coverage	World Soil Day, National Science Day Womens farmers Day World Food Day World Honeybee D		6	0	0	0	0	0	0	0	0	0	0	0	0

		Swachhata hi sewa ay														
21	Popular articles	In Ghare pathare and other local news paper		10	0	0	0	0	0	0	0	0	0	0	0	0
22	Radio talk			0	0	0	0	0	0	0	0	0	0	0	0	0
23	TV talk			0	0	0	0	0	0	0	0	0	0	0	0	0
24	Training manual			0	0	0	0	0	0	0	0	0	0	0	0	0
25	Soil health camp	Soil health awareness camp	05/12/17	2	300	90	390	280	30	310	20	10	30	600	130	730
26	Awareness camp	Soil health awareness camp, awareness camp on bee keeping, Environment awareness camp	19/08/17,05/12/17, 28/02/18	3	50	20	70	70	30	100	5	2	7	125	52	177
27	Lecture delivered as resource person	Vermicomposting, bee keeping, Marketing of Agricultural Produce, Oyster Mushroom Cultivation, Button Mushroom production, Protected cultivation, Scientific apple Ber cultivation, Organic cultivation, Quail farming, Pig farming,seed production	23/04/17, 25/04/17 27/04/17,28/04/17 26.05.17, 20.06.17 06.07.17, 08.07.17 10.07.17,23.03.18,07.03.18,14.02.18,	11	110	30	140	70	20	90	6	1	7	187	51	238
28	PRA	Mwkwnaguri, Bengalijhora, Saragaon, Mangalagaon	06/07/17,07/07/17, 10/08/17 11/08/17, 09/09/17,09/09/17, 05/01/18,06/01/18	4	26	25	51	22	27	49	4	0	4	52	52	104
29	Farmer-Scientist interaction	Improved cultivation of Summer vegetable, Improved cultivation of Sali paddy, Milky Mushroom cultivation, entrepreneurship through animal component,Seed production technique	25/04/17,20/05/17, 03/07/17,26/08/17 16/10/17, 05/02/18	4	170	40	210	150	80	230	0	0	0	322	122	442
30	Soil test	Soil testing procedures and	16.09.17,18.09.17,	2	27	2	29	21	0	21	0	0	0	48	2	50

	campaign	its importance in crop production	19.09.17,20.09.17, 21.09.17,19.12.17, 20.12.17,21.12.17, 22.12.17,23.12.17													
31	Mahila Mandal Convener meet			0	0	0	0	0	0	0	0	0	0	0	0	0
32	Any other (Please specify)			0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total				**507**	**2913**	**902**	**3815**	**2646**	**1241**	**3887**	**210**	**52**	**262**	**5772**	**2185**	**7967**

3.5 Production and supply of Technological products during 2017-18

A. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Number of recipient/ beneficiaries		
					General	SC/ST	Total
CEREALS	Sali Rice	Gitesh, Shraboni	5752.0	20,132,000.00	63	152	215
OILSEEDS	Sesamum	ST-1683	406.0	6,090,000.00	25	47	72
	Toria	TS-67, TS-46, TS-29,	625.0	4,375,000.00	112	61	173
	Linseed	T-397	220.0	1,100,000.00	26	16	42
	Niger	NG-1	120.0	4,20,000.00	17	16	33
PULSES	Lentil	Moitree	375	43,87,500.00	63	34	97
	Pea	PS10	155	12,40,000.00	50	21	71
	Blackgram	PU-31	360.9	54,13,500.00	72	53	125
VEGETABLES	Potato	Kufri Jyoti	5	10,000.00	3	1	4
FLOWER CROPS	-	-	-	-	-	-	-
OTHERS (Specify)	Dhaincha	local	0.3	1,500.00	1	0	1
	Buckwheat	local	257	8,99,500.00	40	12	52

A1. SUMMARY of Production and supply of Seed Materials during 2017-18

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Number of recipient/ beneficiaries		
				General	SC/ST	Total

1	CEREALS	575.20	20,132,000.00	63	152	215
2	OILSEEDS	137.10	11,985,000.00	180	140	320
3	PULSES	89.09	11,041,000.00	185	108	293
4	VEGETABLES	0.5	10,000.00	3	1	4
5	FLOWER CROPS	0	0	0	0	0
6	OTHERS	25.73	9,01,000.00	41	12	53
TOTAL		**827.62**	**44,069,000.00**	**472**	**413**	**885**

B. Production of Planting Materials (Nos. in lakh)

Major group/class	Crop	Variety	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
					General	SC/ST	Total
Fruits	Pineapple	Kew	0.06	30000.00	1	0	1
	Banana	Malbhog	0.003	3000.00	1	0	1
Spices	Black pepper	Paniyur-1	0.001	1500.00	3	5	8
	Dahlia	-	0.001	500.00	1	1	2
	Gerbera	Red gem	0.002	400.00	2	0	2
VEGETABLES	Tomato	F_1- Jessica	0.008	1600.00	3	4	7
	Cabbage	BC-76	0.003	600.00	1	3	4
	Cauliflower	Hybrid	0.003	600.00	1	2	3
	Chilli	Tejaswani	0.004	800.00	3	3	6
	Brinjal	Navkiran	0.007	1050.00	4	4	8
Forest Spp.	-	-	-	-	-	-	-
Plantation crops	-	-	-	-	-	-	-
Medicinal plants	-	-	-	-	-	-	-
OTHERS (Pl. Specify)	-	-	-	-	-	-	-

B1. SUMMARY of Production and supply of Planting Materials (In Lakh) during 2017-18

Sl. No.	Major group/class	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
				General	SC/ST	Total
1	Fruits	0.063	33000.00	2	0	2
2	Spices	0.001	1500.00	3	5	8
3	Ornamental Plants	0.003	900.00	3	1	4
4	VEGETABLES	0.025	4650.00	12	16	28
5	Forest Spp.	-	-	-	-	-
6	Medicinal plants	-	-	-	-	-
7	Plantation crops	-	-	-	-	-
8	OTHERS (Specify)	-	-	-	-	-
TOTAL		**0.09200**	**40050.00**	**20**	**22**	**42**

C. Production of Bio-Products during 2017-18

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient /beneficiaries		
			No.	(qt)		General	SC/ST	Total
BIOAGENTS	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
BIOFERTILIZERS	-	-	-	-	-	-	-	-
1	Vermicompost	*Eisenia foetida*	-	5.0	5000	-	-	Used in KVK Chirang farm
2	Azolla	Azolla caroliniana	-	2.0	2000	-	-	-
BIO PESTICIDES	-	-	-	-	-	-	-	-

C1. SUMMARY of production of bio-products during 2017-18

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient beneficiaries
			Nos.	(kg)		General	SC/ST	
1	BIOAGENTS	-	-	-	-	-	-	-
2	BIO FERTILIZERS	Vermicompost (*Eisenia foetida*)	-	500	5000	-	-	Used in KVK Chirang farm
		Azolla (*Azolla caroniana*)	-	200	2000	-	-	-
3	BIO PESTICIDE	-	-	-	-	-	-	-
	TOTAL	**-**	**-**	**700**	**7000**	**-**	**-**	**-**

D. Production of livestock during 2017-18: NIL

Sl. No.	Type of livestock	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		
			(Nos)	Kgs		General	SC/ST	Total
1	**Cattle/ Dairy**	-	-	-	-	-	-	-
2	**Goat**	-	-	-	-	-	-	-
3	**Piggery**	-	-	-	-	-	-	-
5	**Poultry**	-	-	-	-	-	-	-
6	**Fisheries**	-	-	-	-	-	-	-
7	**Others (Specify)**	-	-	-	-	-	-	-

D1. SUMMARY of production of livestock during 2016-17: Nil

Sl. No.	Livestock category	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient beneficiaries
			Nos	(kg)		General	SC/ST	
1	CATTLE	-	-	-	-	-	-	-
2	SHEEP & GOAT	-	-	-	-	-	-	-
3	POULTRY	-	-	-	-	-	-	-
4.	PIGGERY	-	-	-	-	-	-	-
5	FISHERIES	-	-	-	-	-	-	-
6	OTHERS (Pl. specify)	-	-	-	-	-	-	-
	TOTAL	-	-	-	-	-	-	-

3.6. Literature Developed/Published (with full title, author & reference) during 2017-18

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.)KVK Chirang News letter(Yearly, since 2011)

(B) Articles/ Literature developed/published

Item	Title /and Name of Journal	Authors name	Number of

			copies
Research papers			
1.	Problems and prospects of doubling farmers income by 2022-a case study in Chirang district of Assam. 8th National Seminar "Potential, Prospects and strategies for Doubling Farmers' income: Multi-stakeholder convergence. Society for Community Mobilization for Sustainable Development Mobilization-2017, 9-11 November, 2017 in collaboration with Assam Agricultural University, Jorhat and ICAR-ATARI, Guwahati. Page No: 63	H.K. Baruah, K. Das, R.B. Kayastha, K. Borah, S. Bhattacharjee, B. Bhattacharyya and S. Talukdar	-
2.	Rearing of improved duck and chicken variety for sustainable rural poultry farming in the Chirang district of Assam. 8th National Seminar "Potential, Prospects and strategies for Doubling Farmers' income: Multi-stakeholder convergence. Society for Community Mobilization for Sustainable Development Mobilization-2017, 9-11 November, 2017 in collaboration with Assam Agricultural University, Jorhat and ICAR-ATARI, Guwahati. Page No: 97	R.B. Kayastha, K. Das, H.K. Baruah and M. Sarmah	-
3.	Production and marketing of Oyster mushroom for enhancing doubling farmers' income in Chirang district of Assam. 8th National Seminar "Potential, Prospects and strategies for Doubling Farmers' income: Multi-stakeholder convergence. Society for Community Mobilization for Sustainable Development Mobilization-2017, 9-11 November, 2017 in collaboration with Assam Agricultural University, Jorhat and ICAR-ATARI, Guwahati. Page No: 63	H.K. Baruah, K. Das, R.B. Kayastha, K. Borah, S. Bhattacharjee, B. Bhattacharyya and S. Talukdar	-
4.	An ecofriendly approach for managing wilt disease of Tomato using Biopesticides (Biofor PF-2) in Chirang district of Assam.	B.Bhattacharyya, K.Das and S.Kalita	
5.	Higher net return on seed production of lentil variety Moitree in Chirang district of Assam.(presented in State level seminar on Doubling farmer's income in Assam by 2022 at Sarat Chandra Sinha College of Agriculture,Rangamati ,Dhubri on 24th March,2018)	S.Bhattacharjee & K.Das	
6.	A case study on problems and prospects of doubling farmers income by 2022 in Mwkwnaguri village of chirang district of Assam.(	H.K. Baruah, K. Das, R.B. Kayastha, K. Borah, S. Bhattacharjee, B. Bhattacharyya ,M.Bhagawati, S. Talukdar	

	presented in State level seminar on Doubling farmer's income in Assam by 2022 at Sarat Chandra Sinha College of Agriculture,Rangamati, Dhubri on 24th March,2018)	and J.Sarma	
7.	Vermicompost – a way towards soil sustainability and empowering youths.(presented in State level seminar on Doubling farmer's income in Assam by 2022 at Sarat Chandra Sinha College of Agriculture,Rangamati ,Dhubri on 24th March,2018)	K.Borah,M.J.Konwar & K.Das	
8.	Problems and prospects of seed production of toria through PPP mode towards doubling farmers income in Chirang district of Assam.(presented in State level seminar on Doubling farmer's income in Assam by 2022 at Sarat Chandra Sinha College of Agriculture,Rangamati ,Dhubri on 24th March,2018)	S.Bhattacharjee & K.Das	
Training manuals			
Technical Report			
Book/ Book Chapter			
Popular articles			
Technical bulletins			
Extension bulletins			
Newsletter	Newsletter	Dr. Kameswar Das and other Scientific staff of KVK, Chirang	100
Conference/ workshop proceedings			

Leaflets/folders			
e-publications			
Any other (Magazine)	ABAD	Dr. Kameswar Das and other Scientific staff of KVK, Chirang	200
TOTAL			

N.B. Please enclose a copy of each. In case of literature prepared in local language, please indicate the title in English

(C) Details of Electronic Media Produced

Sl. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number produced
1	-	-	-

1.7. Success stories on horizontal spread of the technologies/Case studies, if any (two or three pages write-up on each case/ successes with suitable action photographs)

1. Progressive Farmer Mr. Sarbeswar Basumatary of Bijni Sub division

Mr Sarbeswar Basumatary, a progressive innovative and award winner farmer of village no.1 Garabdhara, P.O. Panbari, of Chirang district of Assam. Mr. Basumatary studied upto class V, but he has vast knowledge on agricultural and allied activities having more than 25 years of farming experience. Earlier he was engaged in traditional agriculture and no knowledge of modern agriculture but he has zeal and enthusiasm for more production and improved agricultural technique. He attended one RKVY training for seven days organized by K.V.K, Chirang. After attending the training programme, his mindset was completely changed.

Mr. Basumatary inspired by the KVK, Scientists and adopted new method of crop cultivation and animal production. Scientists of KVK also satisfied with his personality and his zeal for hard work. So, he was selected for various training programme organized by KVK and other agencies. Mr. basumatray attended training programme on fish farming, agricultural marketing, training on sericulture. Mr. Basumatary cultivated Sali rice, boro rice, mustard in his 10 hectare of land. He also cultivated organic vegetables, Banana, strawberry, pineapple, spice crops, areacanut and bamboo plantation. Mr. Basumatray

expertise in sericulture reaing. As a diversified farming Mr. Basumatary have also dairy farm, poultry, fish farming unit. He has earned ten lakhs of rupees annually from his agriculture and allied sector. For his success in farming department of agriculture, Chirang offered him best farmer award.

3.8 Give details of innovative methodology/technology developed and used for Transfer of Technology during the year: NA

3.9 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)

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Rice	Erection of "Tara paat" branches in the rice field	To control case worm attack
2	Rice	Beating the upper half of standing rice crop with thorny branches of trees	Controlling leaf folder
3	Rice	Use of perches in the paddy field so that predatory birds sit on it and can trap insect pests.	Control insect pests.
4	Rice	Erection of "Germani bon" branches in the rice field	To control case worm attack
5	Rice	Erection of damaged video film in the rice field at the time maturity	To repel birds feeding rice seed
6	Rice	Broadcasting of outer rind of citrus fruit in the standing water of paddy field to control case worm.	Control case worm
7	Rice	Use of dead frog and crab in the paddy field to repel Gandhi bug.	Repel Gandhi bug
8	Rice	Spraying of fresh cow dung solution in paddy crop to control bacterial leaf blight.	Control bacterial leaf blight.
9	Rice	Application of kerosene oil in standing water of paddy field to control case worm	Control case worm infestation.
10	Seed preservation	Use of neem leaves for controlling storage pests.	Controlling storage pests.
11	Vegetable crops	Spraying of solution of one part of cattle urine and six part of water in vegetable crops to protect against insect pests.	Protect against insect pests.
12.	Rice	Erection of polythene packets in bamboo poles at 3-4 feet distances to repel rodent pests	Rodent pest of cereals
13.	Rice	Application cut pieces of rabab tenga in the field	Reduces leech population
14.	Storage rice	Application of naphthalene balls over the storage bin	Reduces different storage insect pest attack

3.10 Indicate the specific training need analysis tools/methodology followed for

- **Identification of courses for farmers/farm women**

a. PRA
b. Group Discussion
c. Zonal Review Meeting
d. Farmers – Scientists' interaction
e. ZREAC meeting
f. Farm and home visit
g. Problem tree analysis
h. SWOT analysis

- **Rural Youth**

a. PRA
b. Group Discussion
c. Zonal Review Meeting
d. Farmers – Scientists' interaction
e. ZREAC meeting
f. Farm and home visit
g. Problem tree analysis
h. SWOT analysis

- **Extension personnel**

a. Zonal Review Meeting
b. ZREAC meeting

3.11 Field activities

i.	Number of villages adopted	: 60
ii.	No. of farm families selected	: 600
iii.	No. of survey/PRA conducted	:4

3.12. Activities of Soil and Water Testing

	Status of establishment of Lab	: Established
1.	Year of establishment	:2017

2.List of equipments purchased with amount :

Sl. No	Name of the Equipment			Qty.	Cost
	S&WT lab	Mini lab/ Mridaparikshak	Manufacturer		
1	-	Mridaparikshak Soil Testing Kit (Mini Lab)	Nagarjuna Agro Chemicals Pvt. Ltd.	2	180600.00
2	-	Chemical Refilling Kit	Nagarjuna Agro Chemicals Pvt. Ltd	3	35700.00
Total				**5**	**216300.00**

3.Details of samples analyzed (2017-18) :

Details	No. of Samples analysed	No. of Farmers	No. of Villages	Amount (In Rupees) realized
Soil Samples	733	2303	274	NIL
Water Samples	0	0	0	0
Plant Samples	0	0	0	0
Petiole Samples	0	0	0	0
Total	**733**	**2303**	**274**	**NIL**

4. Details of Soil Health Cards (SHCs) (2016-17)

a. No. of SHCs prepared :2303
b. No. of farmers to whom SHCs were distributed : 2303
c. Name of the Major and Minor nutrients analysed : N, P, K, B, Zn, Fe, S
d. No. of villages covered :274
e. Soil health card based nutrient management in different crops (pl. submit in brief in separate page) :

3.13.Details of SMS/ Voice Calls sent on various priority areas

Message type	Crop		Livestock		Weather		Marketing		Awareness		Other Ent.		Total	
	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary
Text only	50	105191	7	15750	11	60676	-	-	6	20075	5	18500	79	220192
Voice only	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Voice and Text both	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	**50**	**105191**	**7**	**15750**	**11**	**60676**	**-**	**-**	**6**	**20075**	**5**	**18500**	**79**	**220192**

3.14 Contingency planning for 2017-18

a. Crop based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Proposed Measure	Proposed Area (ha.) to be covered	Number of beneficiaries proposed to be covered		
			General	SC/ST	Total
Flood and drought	Introduction of new variety or crop	13.000 ha (6000ha flood affected, 7000ha drought affected)	370	660	1030
Flood and drought	Introduction of Resource Conservation Technologies	Training programme on Resource Conservation Technologies	210	320	530
Flood and drought	Distribution of seeds and planting materials	Rice seedlings, pulse and oilseed crops	700	800	1500
Flood and drought	Any other (Please specify)	Training programmes on alternate activities after flood/drought like mushroom cultivation	200	300	500

a. Livestock based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Number of birds/ animals to be distributed	No. of programmes to be undertaken	No. of camps to be organized	Proposed number of animals/ birds to be covered through camps	Number of beneficiaries proposed to be covered		
					General	SC/ST	Total
-	-	-	-	-	-	-	-

4.0. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Commercial cultivation of Banana, Var. Malbhog through 'corm' as planting material along with recommended doses of fertilizer, treatment of planting material and all plant protection measures	250	40	55,000.00/ha	100,500.00/ha
Scientific method of potato cultivation	105	55	57,000.00/ha	10,000.00/ha
Introduction of HYV of *Sali* rice var. Ranjit, TTB-404, Shraboni etc.with modern cultivation technology viz. time of sowing & transplanting, seed treatment,	500	55	21,600.00/ha	50,200.00/ha

fertility management, water management and plant protection measures				
Introduction of HYV of Boro rice var. Joymoti and Kanaklata with modern cultivation technology viz. time of sowing & transplanting, seed treatment, fertility management, water management and plant protection measures	102	25	28,000.00/ha	38,500.00/ha
Seed production technique in *Sali* rice (Variety: Ranjit, TTB-404)	120	37	27,000.00/ha	82,000.00/ha
Improved production technology of lentil	500	35	11,000.00/ha	15,200.00/ha
Rearing of chara chamelli duck	85	20	-	-
Seed production technique in toria (Variety: TS-36, 38, 46, 67, 29)	350	71	32,000.00/ha	45,000.00/ha
Seed production technique in lentil (Var. PL 406, Maitree)	210	40	25,500.00 / has	48750.00/ha
Rearing of Indian runner duck	100	20	-	-
Pig Rearing	1025	40%	-	-

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***)**

1. Since 2009-10, KVK, Chirang has been exploring cultivation technology in silt deposited areas of Bongaigaon district, especially in Aie river bank with potential crop water melon. The crop was cultivated in the several pockets with no to slight scientific intervention. But with continuous efforts of KVK, Chirang famers came to know about the high yielding varieties along with scientific crop management and pest management techniques. Thus farmers were able to earn a ransom every year and now have trying for other cucurbitaceous vegetable like pumpkin, bitter gourd, snake gourd, maize and even Bengal gram. Thus Chowraguri area of Aie river bank has been demarcated as water melon growing hot spot in the locality.
2. Summer rice has been cultivated in limited areas of the district that too, with some unknown, intruded varieties without following proper method of cultivation. KVK, Chirang has been consistently trying to popularize HYVs of summer rice 'Jaymoti' and 'Kanaklata' and their scientific production technology in the district for last five years through on farm testing, front line demonstration and training programme. Because of its continuous effort in this direction, there has been gradual increase in area (Approx. 130.0 ha) under these two HYVs of summer rice and also increase in crop yield (60.0 q/ha). Moreover, with the development of irrigation facility, many farmers have come forward to cultivate summer rice in some new areas also. Further, because of the continuous effort made by KVK, Chirang to popularize SRI technology in summer rice, about 60.0 ha in Kokila village and 10.0 ha in Kayethpara village under Bongaigaon district have been put under summer rice cultivation with system of rice intensification.
3. Quality seed plays an important role in increasing the crop yield; however, seed replacement rate in the district is very low which may be attributed to ignorance of farmers on seed production technology. KVK, Chirang has been working hard to popularize seed production technology in rice in the farmer's field through training programme, front line demonstration programme, advisory services etc. since inception. About 140.0 ha area was brought under seed production programme of kharif rice (var. Ranjit) and

which produced 3000.0 q quality certified seed during kharif, 2012, inspite of damage by flood in 40.0 ha area. During 2012-13, seed production in summer rice was extended to Nowapara part I, Bongaigaon, Assam with summer rice (var. Kanaklata & Joymoti) cultivation in about 34.0 ha area for the first time.

3 *Kharif* rice is the most important crop of the district which occupies more than 70% of the total rice growing areas. Adoption of improved production technology of Kharif rice in the farmers' field is not yet satisfactory and KVK, Chirang is trying hard to popularize improved technology through various activities like training, front line demonstration, on farm testing, advisory service etc. Because of the sincere effort, farmers have started adopting improved production technology of Sali rice especially in respect of quality seed, fertility management and pest management. At present HYV of *Kharif* rice is cultivated more than 40% of rice growing areas of the district. Considering the high yield potential of HYVs of Sali rice, it is expected that more farmers will come forward to adopt these varieties in near future.

4 Potato is an important vegetable crop of the district and necessary technologies required for obtaining higher yield has been initiated by the scientists of KVK, Chirang. Many farmers have adopted scientific cultivation practices of potato after receiving necessary helps and guidance from the scientists of KVK, Chirang and could harvest higher crop yield. KVK, Chirang has been demonstrating irrigation management technology in potato since 2007-08 which has become a popular technology among the potato growing farmers of KVK operational areas.

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Foundation seed production of Toria under PPP mode	3	50%	44000.00/ha	68750.00/ha
Cluster demonstration of toria, variety-TS 46, TS-29	173	30%	40000.00/ha	60750.00/ha
Technology demonstration under technology showcasing of Sali paddy Var: Gitesh, Shraboni	215	25%	35,000.00/ha	55,000.00/ha
Seed production technique in toria (Variety: TS-46& 67)	15	63%	30,000.00/ha	45,000.00/ha
Technology demonstration under Cluster FLD lentil, Var: Maitree	97	40%	47125.00 / has	71500.00/ha
Improved cultivation practices in water melon (Var. Sugar Baby)	10	90%	2,66,,060.00/ha	4,80,460.00 /ha
Improved cultivation practices of rabi maize	10	27%	50000.00 /ha	70000.00 /ha
Cluster demonstration of pea under cluster FLD	71	20%	112000/ha	144000.00 /ha
Techno*l*ogy demonstrated under CFLD of Kharif oilseed Sesamum,Var: ST-1683	72	25%	45000.00 /ha	70000.00/ha
Cluster demonstration of Linseed, variety:T-397	42	30%	24000.00 /ha	32000.00/ha

Technology demonstration under technology showcasing of Blackgram, Var: PU-31	115	25%	35,000.00/ha	55,000.00/ha
Technology demonstration Blackgram under ClusterFLD Var: PU-31	15	25%	35,000.00/ha	55,000.00/ha
Technology demonstration Niger under ClusterFLD	33	10%	115000/ha	145000.00 /ha

5.0. LINKAGES ESTABLISHED

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
1. Department of Agriculture, Chirang	i) NAEP on Rabi field crops ii) Technology Mission for Horticultural crops iii) Mission Double Cropping iv) Supply of seed for BGREI programme v) PRA for preparation of SREP, Chirang district vi) Technical support for BGREI programme vii) Association KVK scientist as resource person viii) Programme formulation and execution under CSS-ATMA
2. Directorate of Agriculture, BTC, Kokrajhar	i) Preparation of Impact point for BTAD at Bimonthly Zonal Workshop
3. Department of Veterinary, Chirang	i) Association KVK scientist as resource person ii). Collaborative training programme organization
4. DICC, Chirang	i) Entrepreneurship development through training
5. RSETI, SBI, Kajalgaon	i) Organization of vocational training programmes for self-employment of Rural Youths
6. NABARD	i) Involvement of KVK scientists as resource person in training programmes
7. DRDA	i) Involvement of KVK scientists as resource person in training programmes
8. SIRD, Khanapara	i). Organization of sponsored training programme ii). Association KVK scientist as resource person iii). Carrying out of sponsored action research programme in veterinary
9.KASS and NASS	i) Organization of training programmes

	ii) Technology demonstration cum seed production ofMaize,
10. NGO 'SeSTA'	i) Upliftment of rural community through programmes planning, identification of beneficiaries and execution of training, demonstration and awareness programmes ii) Attending the Annual Meeting
11. Anjali SHG	i) Organizing training and demonstration programmes for economic upliftment of SHGs ii) FLD Programme on oilseed and pulse crop
12. Rosy SHG	
13. Bornali SHG	
14. Fungbeli SHG	
15. Wildlife Trust of India	i). Collaborative training to the extension functionaries
16. PPVFR Authority	i). Collaborative awareness cum training programme on PPV&FR Act 2001
17. SSB, Banduguri, Chirang	Collaborative awareness cum training programme.
18. Indo Global Social Service Society	Collaborative HRD programme
19. Bongaigaon Gana Seva Society	Delivered lecture as resource person.
20. Luthern World Service India Trust	Delivered lecture as resource person in awareness programme on Scientific cultivation of field crops.
21. Livelihood Mission Trust	Collaborative interection of KVK for livelihood generating activity
22. Jagaran NGO	Delivered lecture as resource person.
23. Ramdhenu Social Development NGO	Delivered lecture as resource person.

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies during 2017-18

Name of the scheme	Activity	Date/ Month of initiation	Funding agency	Amount (Rs.)
Technology Showcasing	Seed production	June, 2017	DR(A)	11,85,987.00
Cluster demonstration on pulse	FLD	Oct, 2017	ICAR-ATARI VII	4,41,699.00
Cluster demonstration on oilseed	FLD	July, 2017	ICAR-ATARI VII	6,23,228.00
TSP	Varietal demonstration of maize	April, 2017	DR(A)	32,96,584.00
Sankalp Se Siddhi	Awareness programme	15/09/17 to 02/10/17	ICAR_ATARI VI	80,000.00

Awareness cum training: PCRA	Awareness programme petroleum conservation	18/11/17	PCRA, Ministry of Petroleum and Natural Gas	7,500.00

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district: Yes

Sl. No.	Programme	Nature of linkage	Remarks
1.	Programme Planning	Expert opinion as a member of Governing Body	
2.	Training Programmes	KVK scientists act as Resource Persons in the training programmes organized under ATMA	
3.	Farm School	KVK scientists act as Resource Persons	
4.	Farmers – Scientists interaction	KVK scientists act as Resource Persons	

5.4 Give details of programmes implemented under National Horticultural Mission: No

S. No.	Programme	Nature of linkage	Constraints if any

5.5 Nature of linkage with National Fisheries Development Board : No.

S. No.	Programme	Nature of linkage	Remarks

5.6 Nature of linkage with Coconut Development Board: Yes

S. No.	Programme	Nature of linkage	Remarks
1			

6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2017-18

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of estd.	Area	Details of production	Amount (Rs.)	Remarks

				Variety	Produce	Qty.	Cost of inputs	Gross income	

6.2 Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Rice									
Wheat									
Maize									
Any other									
Pulses									
Green gram									
Black gram	27.08.17	-	0.5	PU-31	Seed	0	996.00	0	damage due to heavy rainfal
Arhar									
Lentil									
Ay other									
Oilseeds									
Mustard									
Soy bean									
Groundnut									
Sesamum	25.08.17		1.0	Kaliabor local	Seed	0	4254.00	0	damage due to heavy rainfal
Niger	29.10.17	26.02.18	2.0	NG-1	Seed	0.50 q	5500.00	5000.00	Post harvest yield loss due to rain
Any other									
Fibers									
i.									
ii.									
Spices & Plantation crops									
Black pepper	02.04.16			Paniyur-1	cutting	50 nos.	130.00	750.00	

i.									
Floriculture									
Dianthus	07.11.17				Seedling	50 nos.	50.00	200.00	
Gerbera	14.08.17			Red gem	cutting	200nos.	200.00	600.00	
Chrysanthemum	18.07.17				cutting	50 nos.	50.00	150.00	
Fruits									
Pineapple			0.13	Kew	Fruit	9.0 q	4000.00	9000.00	Ratoon crop
Pineapple			0.13	Kew	Sucker	7000 nos.	4000.00	35000.00	Ratoon crop
Banana			0.13	Malbhog	Fruit	5.0 q	1500.00	5400.00	
Banana			0.13	Malbhog	Sucker	300 nos.	1500.00	3000.00	
Vegetables									
Tomato	24.09.17	13.01.18	0.033	BNT-1213F1	Fruit	3.0 q	500.00	3000.00	
Tomato	10.09.17	14.10.17		BNT-1213F1	Seedling	500 nos.	300.00	1000.00	
Brinjal	14.10.17	20.01.18	0.035	Nav kiran	Fruit	4.0 q	800.00	4000.00	
Brinjal	10.09.17	14.10.17		Nav kiran	Seedling	650 nos.	200.00	500.00	
Chilli	09.10.17	10.03.18	0.033	Tejaswini	Fruit	0.12 q	200.00	500.00	
Chilli	10.09.17	14.10.17		Tejaswini	Seedling	300 nos.	150.00	300.00	
Cabbage	10.09.17	14.10.17		BC-76	Seedling	400 noss.	200.00	400.00	
Cauliflower	10.09.17	14.10.17		Kimaya	Seedling	300 noss.	100.00	200.00	
Potato	10.12.17	15.03.18	0.013	Kufri jyoti	Tuber	5.0 q	3000.00	5000.00	
Others (specify)									
Buckwheat	29.10.17	26.02.18	2.0	local	Seed	2.0 q	4000.00	5000.00	Post harvest yield loss due to rain

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

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1	Azolla	2.0 qt		1500.00	Products were used in the KVK farm
2	Vermicompost	3.0 qt	Farm wastage used	3000.00	

6.4 Performance of instructional farm (livestock and fisheries production) : No livestock unit at the farm

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

6.5 **Rainwater Harvesting**

Training programmes conducted by using Rainwater Harvesting Demonstration Unit: Nil

Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
				Male	Female	Total	Male	Female	Total

6.6. Utilization of hostel facilities (Month-Wise) during 2017-18

Accommodation available (No. of beds) : No hostel facilities

Months	Title of the training course/Purpose of stay	Duration of Training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Total					
Grand total					

Note: (Duration of the training course X No. of trainees)=Trainee days

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location/ Branch	Account Number
With Host Institute			
With KVK	State Bank of India	BRPL Complex, Dhaligaon	0010266315899
Revolving Fund	State bank of India	BRPL Complex, Dhaligaon	0031766578300

7.2 Utilization of funds under FLD on Maize *(Rs. In Lakhs) if applicable: NA*

Item	Released by ICAR/ZPD		Expenditure		Unspent balance as on 31st March, 2015
	Year	Year	Year	Year	
Inputs					

Extension activities					
TA/DA/POL etc.					
TOTAL					

7.3 Utilization of KVK funds during the year 2017 -18

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	Pay & Allowances	103.00	102.25199	102.25199
2	Traveling allowances	2.50	2.29030	2.29030
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)		14.00	13.76725	13.76725
B. Non-Recurring Contingencies				
1	Works			
2	Equipments including SWTL & Furniture			
3	Vehicle (Four wheeler/Two wheeler, please specify)			

4	Library (Purchase of assets like books & journals)			
	TOTAL (B)			
C. REVOLVING FUND				0.02304
GRAND TOTAL (A+B+C)		119.50	118.30954	118.30954

7.4 Status of Revolving Fund (Rs. in lakhs) 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
April 2015 to March 2016	1.52640	0.29341	0.27605	1.54376
April 2016 to March 2017	1.54376	1.19342	0.62407	2.11311
April 2017 to March 2018	2.11311	0.44414	0.02304	2.53421

Note: No KVK must leave this table blank

8.0 Please include information which has not been reflected above.

(Write in detail)

8.1 Constraints

(a) Administrative: One vehicle is not sufficient for functioning of all mandated activities and other activities
(b) Financial: Allocation of fund under the recurring head is not sufficient
(c) Technical: Additional activities other than mandated activities affect the normal activities

(Signature)
Sr. Scientist cum Head