

**PROFORMA FOR ANNUAL REPORT OF KVKs 2019**

**1. GENERAL INFORMATION ABOUT THE KVK**

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

Address	Telephone		E mail
KVK, Khowai, P.O. Chebri, Dist: Khowai, Tripura- 799207	-	-	dkkvwesttripura@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Sri Ramakrishna Seva Kendra, 81 Bondel Road, Kolkata-700019, West Bengal	033-22809579	033-22809578	srskcal@yahoo.co.in

1.3. Name of the Programme Coordinator (i/c) with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	Email
Dipankar Dey	-	8256993190	-

1.4. Year of sanction:20<sup>th</sup> Oct, 1994

1.5. Staff Position

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	Subject Matter Specialist	Dr. Nurul Islam	SMS (Animal Science)	Vety. Gynae. & Obst.	L-11 Col-5	85800	5.12.2007	Permanent	Others
2	Subject Matter Specialist	Mr. Suresh Biswas	SMS (Home Science)	Food Technology	L-11 Col-4	74000	18.12.2010	Permanent	SC
3	Subject Matter Specialist	Miss. Subhra Shil	SMS (Horticulture)	Horticulture	L-10 Col-4	61300	21.09.2013	Permanent	OBC
4	Subject Matter Specialist	Mr. Dipankar Dey	SMS (Soil Sc.)	Soil Science	L-10 Col-4	61300	30.09.2013	Permanent	Others
5	Subject Matter Specialist	Mr. Ardhendu Chakraborty	SMS (PP)	Entomology	L-10 Col-4	61300	15.10.2014	Permanent	Others
6	Subject Matter	Mr. Rajib Das	SMS (Agri Extn)	Extension Education	L-10 Col-1	56100	16.05.2018	Permanent	SC

	Specialist								
7	Programme Assistant	Mr. Subrata Choudhury	PA (Fisheries)	-	L-8 Col-16	74300	24.07.1989	Permanent	Others
8	Programme Assistant	Mr. Pradip Deb Barma	PA (Animal Science)	-	L-8 Col-12	66000	02.05.1988	Permanent	ST
9	Farm Manager	Mr. Prasanta Reang	Farm Manager	-	L-6 Col-4	38700	03.10.2015	Permanent	ST
10	Accountant / Superintendent	Swapan Kumar Deb	Office Supt. Cum Accountant	-	L-7 Col-4	49000	07.10.2004	Permanent	OBC
11	Stenographer	Kaushik Sengupta	Jr Steno cum Typist	-	L-5 Col-10	39200	05.07.1990	Permanent	Others
12	Driver	Monmohan Debnath	Driver	-	L-4 Col-4	27900	1.04.2000	Permanent	OBC
13	Driver	Rakesh Debnath	Driver	-	L-3 Col-4	23800	24.10.2014	Permanent	OBC
14	Supporting staff	Mr. Gautam Deb Barma	Supporting staff	-	L-1 Col-2	18500	22.09.2017	Permanent	ST
15	Supporting staff	Manas Deb Barma	Supporting staff	-	L-1 Col-5	20300	24.10.2014	Permanent	ST

1.6. a. Total land with KVK (in ha) : **43.46 ha**

b. Total cultivable land with KVK (in ha): **3.00 ha**

c. Total cultivated land (in ha):

S. No.	Item	Area (ha)
1	Under Buildings (Administrative building+ Farmers' Hostel+ Staff Quarters)	0.71
2.	Under Demonstration Units (pl. specify the name)	0.75
3.	Under Crops (Cereals, pulses, oilseeds etc.)	1.00
4.	Under vegetables (Pl. specify separately)	2.00
5.	Orchard/Agro-forestry	39.00
6.	Others (specify)	Nil

1.7. Infrastructural Development:

A) Buildings

S. 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 (2)	ICAR	1979-1991	-	6,91,010	-	-	Need renovation with up gradation

2.	Farmers Hostel (2)	ICAR	1983-1987	-	8,22,107	-	-	Need renovation with up gradation
3.	Staff Quarters (4)	ICAR	1985-1991	-	12,09,865	-	-	Need renovation with up gradation
4.	P.C. Quarter	ICAR	1990-1991	-	-	-	-	Need renovation with up gradation
5.	Bachelor's Quarters (5)	ICAR	1985-1986	-	-	-	-	Damaged
6.	Demonstration Units	ICAR, DRDA, RF	1982-2003	-	21,90,231	-	-	Complete
7.	Fencing	ICAR	2002-2003	-	8,000	-	-	Need renovation
8.	Rain Water Harvesting system	Spices Board	2010-2011	-	-	-	-	Nil
9.	Threshing Floor	ICAR	1982-1983	-	-	-	-	Need renovation
10.	Farm Go-down	ICAR	2005-2006	-	-	-	-	Need renovation
11.	Guest House	ICAR	1990-1991	-	-	-	-	Need renovation
12.	Garage (2)	ICAR, SRSK	1991, 2008	-	-	-	-	Complete
13.	Library	ICAR	1986-1987	-	-	-	-	Complete
14.	Animal Science Store	ICAR	1986-1987	-	-	-	-	Need renovation
15.	Fishery Store	ICAR	1981-1982	-	-	-	-	Need renovation
16.	Class Room (3)	ICAR	1982-1983	-	-	-	-	Need renovation
17.	Soil and Water Testing Lab.	ICAR	2005-2006	-	-	-	-	Need improvement with infrastructure facilities
18.	Vermicompost Unit (9)	RF, Spices Board, MGNREGA	2008-2009	-	-	-	-	Complete
19.	Exhibition Hall	RF	2010- 2011	-	-	-	-	Need renovation
20.	Conference Hall	RF	2009- 2010	-	-	-	-	Need renovation
21.	Mushroom spawn production laboratory	ICAR and RF	2013-14	-	1,30,000.00	-	-	Complete
22.	Agri clinic	RF	2014-15	-	-	-	-	Complete

## B) Vehicles

Type of vehicle	Regd. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Bolero Jeep	TR016A0338	2016-17	800000.00	57900	Good

## C) Equipments &amp; AV Aids

Name of the equipments	Year of purchase	Cost (Rs.)	Present status
1. Hand Sprayer	2005	-	Good

2. Foot Sprayer	2003	-	Good
3. Mechanical weighing machine	2003	58,088.00	Good
4. Solar motor pump	2003	30,060.00	Good
5. Power tiller	2016	1,63,000.00	Good
6. Thresher	2005-2006	15,500.00	Good
7. Photo copying machine	2017	63803.00	Good
8. Chemical balance	1989	624.00	Good
9. Hot air oven (2)	1996, 2006	24,672.00	Good
10. Distilled water plant (2)	2005-2006	20,027.00	Good
11. Micro kjeldahl apparatus (2)	2005-2006	13,600.00	Good
12. Hydrometer	2005-2006	200.00	Good
13. Digital chemical balance	2005-2006	19,000.00	Good
14. Rotary shaker	2005-2006	6,900.00	Good
15. Soil sampler	2005-2006	5,200.00	Good
16. Hot water bath	2005-2006	4,900.00	Good
17. Muffle furnace	2005-2006	13,600.00	Good
18. Spectrophotometer	2005-2006	30,000.00	Need to be repaired
19. Micro centrifuge	2005-2006	17,000.00	Good
20. Colorimeter	2005-2006	11,800.00	Good
21. TV (B/W) – 1 nos.	1991	10,800.00	Need to be repaired
22. TV (Colour) – 6 nos.	2001/2005	41,794.00	Good
23. VCD – 2 nos.	2003/2005	42,231.00	Need to be repaired
24. Camera – 4 Nos.	2013,2014	56,960.00	Good
25. Multimedia P.C (9)	2003, 2004, 2016	-	Good
26. LCD projector with display screen	2008-09	1,00,012.00	Good
27. Autoclave (3)	2011-12	5,63,045.00	Good
28. B.O.D. Incubator	2011-12	87,720.00	Need to be repaired
29. Steel rack (20)	2011-12	1,51,912.00	Good
30. CPU (1)	2012-13	19,900.00	Good
31. Hard disk external (2)	2012-13	11,600.00	Good
32. Laminar flow (1)	2011-12	39,450.00	Good

33. Laminar flow (1)	2012-13	67,873.00	Good
34. Mixture machine (1)	2012-13	4,115.00	Good
35. Research microscope (1)	2012-13	22,246.00	Good
36. Note pad computer (1)	2012-13	16,900.00	Need to be repaired
37. UPS (APC 1 KV) (1)	2012-13	13,800.00	Good
38. Weighing balance (1) 200 gm capacity	2011-12		Good
39. Refrigerator (3)	2011-12, 16-17	41000.00	Good
40. Digital balance (1)	2011-12	12,650.00	Good
41. pH meter	2012-13	15743.00	Need to be repaired
42. EC meter	2012-13	25936.00	Need to be repaired
43. Canon printer (9)	2011-12, 2016	79025.00	Good
44. Spiral binding machine (1)	2011-12	4030.00	Good
45. Fax machine (1)	2011-12	6050.00	Good
46. GPS instrument (1)	2011-12	21,111.00	Good
47. UPS (600 V) (1)	2011-12	2550.00	Good
48. HP combined printer & Scanner (2)	2012-13, 2016	9000.00	Good
49. Rotary shaker (1)	2012-13	38,604.00	Good
50. Vacuum cleaner (1)	2012-13	6799.00	Good
51. Internet modem (4)	2012-13	6800.00	Good
52. Internet modem wi fi (1)	2016-17	3500.00	Good
53. Intercom	2015-16	20000.00	Good
59. Sewing machine (5)	1980-1985	4,250.00	Good
60. Lenovo computer notebook	2013-2014	47,520.00	Good
61. Lenovo desktop	2013-2014	31,630.00	Good
64. UPS 600 VA	2013-2014	2,530.00	Good
66. LAN connection	2013-2014	12,083.00	Need to be repaired
67. Mridaparikshak (2)	2015-16	165300.00	Good
68. Tractor	2017-18	10,00,000.00	Good
69. Generator	2017-18	85,958.00	Good
70. Distilled Water plant	2016-17	25000.00	Good

71. Ahuja Speaker with stand, Ahuja Microphone	2018-19	18420.00	Good
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## 1.8. A). Details SAC meeting\* conducted in the year

Date	Name and Designation of Participants	Salient Recommendations	Action taken on last SAC recommendation
26.02.2020	1. Mr. Biswajit Choudhury- Vice President of SRSK, Kolkata, the host institute of the KVK, Khowai.	Problem identification should be proper for taking any intervention which should be suitable for the whole district	Problem was identified before selection of technologies
	2. Dr. Biswajit Das, Joint Director, ICAR Tripura centre, Lembucherra, Tripura.		
	3. Mr. Chandan Debbarma, SA, Khowai, Tripura.	Whole package of practice to be applied while implementing any technologies and special issues as per subject matter specialists need to be highlighted while reporting or showcasing	Action taken
	4. Mr. Dipendu Debbarma, SA, Kalyanpur, Tripura.		
	5. Mr. Amit Das, DDM, NABARD, Khowai, Tripura.		
6. Dr. Ezekiel Reang, Asst. Professor, College of Agriculture, Tripura.	Impact analysis of KVK interventions need to be done	2 OFTs & 2 FLDs were undertaken based upon the suggestion under AE	
7. Mr. Abhijit Saha, Asst. Professor, College of Agriculture, Tripura.			
8. Mrs. Sarubala Debbarma, Progressive Farm Women, North Pulinpur, Khowai, Tripura	Maximum inputs should be produced and utilized from the IFS itself for sustainable economic intervention	Action Taken	
9. Mr. Chitta Ranjan Debbarma, Progressive Farmer, North Pulinpur, Khowai, Tripura			
10. Mr. Pradyut Rudra Paul, Progressive Farmer, Kalyanpur, Khowai, Tripura	All interventions should be research based to generate genuine data for publication.	Action taken	
11. Mr. Niranjan Debnath, President, Prabin Farmers Club, R.C. Ghat, Khowai			
12. Mrs. Shipra Debnath, Progressive Farm Women, Ganki, Khowai, Tripura.			
13. Mrs. Himadri Debbarma, Progressive Farm Women, Tulashikhar, Khowai, Tripura.			
14. Mr. Dipankar Dey, Senior Scientist & Head (i/c), KVK, Khowai, Tripura.			

<p>15. Dr. Nurul Islam, SMS-Animal Science, KVK, Khowai, Tripura.</p> <p>16. Mr. Suresh Chandra Biswas-SMS-Home Science, KVK, Khowai, Tripura.</p> <p>16. Mr. Ardhendu Chakraborty, SMS-Plant Protection, KVK, Khowai, Tripura.</p> <p>17. Mr. Rajib Das, SMS-Agri.- Extension, KVK, Khowai, Tripura.</p> <p>18. Mr. Prasanta Reang, Farm Manager, KVK, Khowai, Tripura.</p> <p>19. Mr. Subrata Choudhury, Programme Assistant - Fishery, KVK, Khowai, Tripura.</p> <p>20. Mr. Pradip Debbarma, Programme Assistant-Animal Sc., KVK, Khowai, Tripura.</p> <p>21. Mr. Swapan Kumar Deb, OS cum Accountant, KVK, Khowai, Tripura.</p> <p>22. Mr. Kaushik Sengupta, Steno cum Typist, KVK, Khowai, Tripura.</p> <p>23. Mr. Lord Litan Debbarma, SRF-NICRA, KVK, Khowai, Tripura.</p> <p>24. Miss. Tillotama Debbarma, WDT Member-IWMP, KVK, Khowai, Tripura.</p> <p>25. Mr. Pinak Deb, Skill Farmer, KVK, Khowai, Tripura.</p>	<p>Demonstration, training and awareness on flouriculture, its packaging and marketing matters to be taken up</p>	<p>Action initiated under TAR</p>
	<p>Organic farming to be encouraged to establish organic export hub in NER through technology assessment and refinement.</p>	<p>Action taken under PKVY</p>
	<p>To explore suitable plant protection chemicals from market to suggest the farmers.</p>	<p>Disease and insect specific pesticides were identified and suggested. Branded pesticides are available in agri-clinic and farmers are availing benefits.</p>
	<p>Merging of Soil Health Card Scheme of Central Government with state agriculture department and KVK to be done with financial assistance through State Agriculture Research Station, Agartala</p>	<p>Application for assistance was made but no fund has been transferred</p>

**\* 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	Agro - based farming system - Paddy (Mono cropped)
2	Agro - horti based farming system – Paddy-TPS/Chilli/Cucurbitaceous vegetables
3	Agri – horti – pisci -livestock
4	Horti-agri-livestock
5	Agriculture
6	Livestock
7	Horti-pisci-agri
8	Livestock-agri-horti
9	Agri-horti-silvi-pastoral-livestock
10	Plantation (Rubber)
11	Plantation-pisci-livestock

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

Sl. No	Agro-climatic Zone	Characteristics
1	Humid Dissected Mount & Valleys	Lateritic soil and texturally sandy loam-loamy sand. It is characterized by high hills and steep slopes of the hillocks.
2	Sub Humid Dennuded Hills	Alluvial soil and texturally clay in small pockets. It is characterized by river valleys and low lying (Marshy) areas suitable for lowland rice cultivation.
No.	Agro ecological situation	Characteristics
1	15bi Dc2 3h B <sub>4</sub> 10	Humid Hyperthermic with LGP>300 days and moisture index 80-100%. Soils red and lateritic. Mean annual temperature is 22°C.
2	15bii (1) Dc2 3h B <sub>3</sub> 10	Humid Hyperthermic with LGP .300 days and moisture index 60-80% in high relief structural hills. Soils red and lateritic. Mean annual temperature is 22°C.
3	15biii Dc2 3h B <sub>2</sub> 10	Humid Hyperthermic with LGP .300 days and moisture index 40-60%. Soils red and lateritic

## 2.3 Soil type/s

Sl. No	Soil type	Characteristics	Area in ha
1.	Upland soil	Podzolic, lateritic and are mostly sandy clay loam in nature. Soils are granular, loose, friable and non sticky with good drainage.	NA
2.	Lowland soil	Found in deep and narrow synclinal valley, Soils are mostly clay loam, sub angular blocky, hard, firm and sticky with moderately poor drainage.	NA

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

Sl. No	Crop	Area (ha)	Production (ton)	Productivity (Qtl /ha)
1.	Spring ( <i>Aush</i> ) rice	3493	65440	18.74
2.	Winter ( <i>Aman</i> ) rice	59446	1552380	26.11
3.	Summer ( <i>Boro</i> ) rice	34215	887740	25.95
4.	Wheat	342	6770	15.49
5.	Maize	540	5040	9.33
6.	Potato	5280	934720	171.70



## 2.5. Weather data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	
Jan, 2019	0	25.09	13.22	65
Feb, 2019	2.6	29.40	76.69	60
March, 2019	34.2	33.21	30.55	70
April, 2019	131.8	38.2	18.4	81
May, 2019	257.9	37.5	23.5	97
June, 2019	308	35.5	22.3	98
July, 2019	304.3	35.0	24.5	95
August, 2019	252.9	35.7	24.3	96
September, 2019	147.6	34.2	22.1	88
October, 2019	110.9	35.2	19.8	94
November, 2019	29.7	31.0	15.0	93
December, 2019	0.0	11.0	0.9	97

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

Category	Population (Census 2003)	Production (2008-2009)	Productivity
<b>Cattle</b>	82863		
<i>Crossbred cattle</i>	29,839	Milk: 43212.957 MT (2008-09)	Milk: 4.54 kg/day
<i>Indigenous cattle</i>	53,024		Milk: 1.12kg/day
<b>Buffalo</b>	3,343		Milk: 2.016 kg/day
<b>Goats</b>	1,56,783		Milk: 0.050 kg/day
<b>Sheep</b>	1074		
<i>Indigenous</i>	1074	NA	NA
<b>Pigs</b>	79469	NA	-
<i>Crossbred</i>	41,376	-	Meat: 43.523 kg/year
<i>Indigenous</i>	38,093	-	Meat: 43.523 kg/year
<b>Poultry</b>			
Hens	9,99,499	Egg: 9744.055 lakh	
<i>Desi</i>	-		Egg 85/layer/yr
<i>Improved</i>	-		Egg 168/layer/yr

<b>Ducks</b>	2,83,718	Egg: 161/Improved duck/yr, 109/local/yr

Category	Area	Production	Productivity
<b>Fish</b>			
<i>Inland</i>	7603.32 ha	17230.50 MT	2266.18 kg/ha

## 2.6 Details of Operational area / Villages

Sl. No.	Taluk/ Eleka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified thrust area
1.	Teliamurah	Teliamurah	North Pulinpur	Paddy, Beter gourd, Chilli, Brinjal, Cowpea, Poultry, Piggery, Dairy, Fishery, Leafy vegetables, Maize, Rubber, Home science activity	Scarcity of water for irrigation; Unavailability of quality HYV; Lack of scientific knowledge on crop cultivation; Lack of knowledge in scientific dairy and poultry farming; low yield of rice and less fish production; less or no knowledge on health, sanitation, environmental pollution, women & child care and nutrition, soil fertility management; less entrepreneurial activity among rural youth.	Water management, Crop Diversification, IDM, IPM, Weed Management, INM, Soil fertility management, Production of organic inputs, Scientific livestock and fish farming, Management of animal health, Carp breeding and hatchery management, leadership development, formation and management of SHGs & Farmer's club.
2.	Teliamurah	Teliamurah	Duski			
3.	Teliamurah	Teliamurah	Tuichindrai	Rubber, Pineapple, Paddy, Cowpea, maize, mushroom, poultry, piggery, lemon, Weaving	Lack of knowledge on scientific farming of crop, livestock and fishery, value addition	Irrigation, entrepreneurial activity, training on scientific farming of crop, livestock and fishery, value addition
4.	Teliamurah	Mungiakami	South Gokulnagar	Piggery, lemon, Weaving, Rubber, Pineapple, Paddy, Cowpea, maize, mushroom, poultry, etc.	Lack of knowledge on scientific farming of crop, livestock and fishery, value addition	Irrigation, entrepreneurial activity, training on scientific farming of crop, livestock and fishery, value addition
5.	Teliamurah	Teliamurah	Hawaibari	Paddy, Potato, Pointed Gourd, Spine -Gourd, Winter Vegetables, Lemon	Unavailability of high yielding variety of rice, Injudicious use of chemicals and fertilizers, Un-scientific cultivation practice, , Lack of knowledge about utilizing the fallow period	Scientific package of practices, IPM, Crop diversification

6.		Kalyanpur	Ghilatali	Paddy, vegetable, fishery, piggery	Lack of proper irrigation, marketing , food processing , cold storage	Livestock, irrigation, marketing, Food processing
7.	Teliamurah	Kalyanpur	North Ghilatali ADC	Rubber, vegetable, piggery	Lack of Marketing, irrigation, more undulating topography	Land rectification, irrigation, piggery, fishery, marketing
8.	Teliamurah	Kalyanpur	West Ghilatali	Paddy, vegetable, fishery, piggery	Irrigation , marketing,	Livestock, soil fertility management
9.	Teliamurah	Kalyanpur	South Ghilatali	Do	Do	Do
10.	Teliamurah	Kalyanpur	Kamalnagar	Vegetable, paddy, livestock	Cold storage, fertilizer scarcity, lack of ARDD sub centre	Livestock improvement, cold storage etc.
11.	Teliamurah	Kalyanpur	Uttar Kamalnagar	Do	Do	Do
12.	Teliamurah	Kalyanpur	Krishnapur	Paddy, Brinjal, Chilli, Potato, Colacasia, Pea, Tomato, Cucurbits, Cabbage, Cauliflower	Lack of knowledge about utilizing the fallow period, Injudicious use of chemicals and fertilizers, Severe infestation Of weeds	Crop Diversification, IPM, Integrated nutrient management
13.	Teliamurah	Kalyanpur	Durgapur	Paddy, Brinjal, Chilli, Potato, Colacasia, Pea, Tomato, Cucurbits, Cabbage, Cauliflower	Lack of knowledge about utilizing the fallow period, Injudicious use of chemicals and fertilizers, Severe infestation Of weeds	Crop Diversification, IPM, Integrated nutrient management
14.	Teliamurah	Kalyanpur	Maingangapara	Spine gourd, Pointed gourd, Bean, Chilli, Mushroom, Brinjal	Lack of scientific cultivation of vegetables with Injudicious use of chemicals and fertilizers	IPM, IDM, ICM through eco-friendly manner
15.	Teliamurah	Kalyanpur	Gopalnagar	Paddy, seasonal Vegetables, fishery, livestock etc.	Lack of scientific knowledge to increase farm profit and family income	IDM, IPM, Weed Management, INM, Soil fertility management, Production of organic inputs, Scientific livestock and fish farming, Management of animal health, Carp breeding and hatchery management
16.		Kalyanpur	Gourangatilla	Paddy, seasonal Vegetables	Lack of scientific knowledge	IPM, IDM, INM etc.
17.		Kalyanpur	Moharchara	Paddy, seasonal Vegetables, mushrooms	Lack of scientific knowledge on crop production	IPM, IDM, INM etc.
18.	Khowai	Khowai	Boltoli	Paddy, Maize, Minor Tuber Crops	Unawareness about high yielding varieties, Traditional package of practices, Lack of knowledge about utilizing the fallow period, Lack of interest regarding vegetable cultivation.	Crop Diversification , Scientific package of practices, Varietal evaluation of Maize

19.	Khowai	Khowai	Uttar Chebri	Paddy & Vegetables, Piggery, Fishery	Lack of cold storage & food processing industry, No regularized market, No production of livestock feed ingredients	Feed and food processing industry, Marketing, cold storage etc.
20.	Khowai	Khowai	Paschim Chebri	Do	Do	Do
21.	Khowai	Khowai	Purba Chebri	Do	Do	Do
22.	Khowai	Khowai	Uttar R.C. Ghat	Do	Do	Do
23.	Khowai	Khowai	Sonatala	Do	Do	Do
24.	Khowai	Khowai	East Sonatala	Do	Do	Do
25.	Khowai	Khowai	Purba R.C. Ghat	Paddy, vegetables, fishery, poultry, dairy	Lack of knowledge on scientific fish production	Composite fish culture, fresh water prawn farming
26.	Khowai	Khowai	Batapura	Paddy, TPS, Cabbage, Cauliflower, Knolkhol, Cucurbits, Reddish, Mustard, Garden Pea	Injudicious use of chemicals and fertilizers, Lack of awareness about soil Health and Integrated nutrient management	IPM, Soil Health and Fertility management, Integrated Nutrient management
27.	Khowai	Khowai	Sachindrana gar	Paddy, TPS, Cabbage, Cauliflower, Knolkhol, Cucurbits, Reddish, Mustard, Garden Pea	Injudicious use of chemicals and fertilizers, Lack of awareness about soil Health and Integrated nutrient management	IPM, Soil Health and Fertility management, Integrated Nutrient management
28.	Khowai	Khowai	Ganki	Paddy, vegetables, poultry, dairy, fishery	Financial problem, low yield of table fish production	Composite fish culture, Fish disease management
29.	Khowai	Khowai	Paschim Ganki	Paddy, vegetables, poultry, dairy, fishery	Financial problem, low yield of table fish production	Composite fish culture, Fish disease management
30.	Khowai	Khowai	Dhalabil	Paddy, Cabbage, Cauliflower, Knolkhol, Cucurbits, Reddish, Mustard, Garden Pea	Injudicious use of chemicals and fertilizers, Lack of awareness about soil Health and Integrated nutrient management	IPM, Soil Health and Fertility management, Integrated Nutrient management
31.	Bishalgarh	Bishalgarh	Ratannagar	Paddy, Pulses, Potato, Vegetables, Flowers, Oilseeds	do	do
32.	Khowai	Khowai	Tablabari	do	do	do
33.	Khowai	Khowai	Ajagartilla	do	do	do
34.	Khowai	Khowai	Jambura	Paddy, Potato, Vegetables, Fishery and dairy	Less input used for scientific management	Needs guidance for critical scientific agril. and allied inputs for maximum farm income through Integrated management practice

35.	Khowai	Tulashikhar	Rajnagar	Piggery, lemon, Weaving, Rubber, Pineapple, Paddy, Cowpea, maize, mushroom, poultry, etc.	Lack of knowledge on scientific farming of crop, livestock and fishery, value addition	Irrigation, entrepreneurial activity, training on scientific farming of crop, livestock and fishery, value addition
36.	Khowai	Padmabil	Tuhachingbari	Paddy, Cowpea, maize, mushroom, poultry Piggery, lemon, Weaving, Rubber, Pineapple, , etc.	Lack of knowledge on scientific farming of crop, livestock and fishery, value addition	Irrigation, entrepreneurial activity, training on scientific farming of crop, livestock and fishery, value addition

### **3. TECHNICAL ACHIEVEMENTS**

#### **3. A. Details of target and achievements of mandatory activities by KVK during**

Discipline	OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)			
	Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Horticulture	3	3	18	18	2	2	20	20
Soil Science	2	2	19	21	1	1	20	32
Agronomy	0	0	0	0	2	2	80	113
Plant Protection	2	2	18	18	2	4	15	143
Animal Sc	2	2	12	12	2	2	20	20
Fishery	1	1	6	6	2	2	8	8
Home Sc	2	1	20	10	2	2	20	28
Agril. Extension	2	2	110	110	2	2	100	190
<b>Total</b>	<b>14</b>	<b>13</b>	<b>203</b>	<b>195</b>	<b>15</b>	<b>17</b>	<b>283</b>	<b>554</b>

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	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	37	35	760	975	-	-	-	-
Rural youth	34	40	620	1160	-	-	-	-
Extn. Functionaries	10	18	220	248	-	-	-	-
<b>Total</b>	<b>81</b>	<b>93</b>	<b>1600</b>	<b>2383</b>	<b>911</b>	<b>1438</b>	<b>6820</b>	<b>12759</b>
Seed Production (ton.)					Planting material (Nos. in lakh)			
5					6			
Target		Achievement			Target		Achievement	
56		70.89			0.25		1.11996	

Note: Target set during last Annual Zonal Workshop

### 3. B. Abstract of interventions undertaken during

Sl. No	Thrust area	Crop/ Enterprise	Identified problem	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	Integrated Nutrient Management	Bottle gourd	Poor Yield and High male/female ratio	Effect of Boron And Ethrel on Vegetative and fruit Character of Bottle Gourd	-	-	-	Group Discussion , Input distribution, Field visit	Supply of Ethrel and boron

2	Integrated Nutrient Management	Colocasia	Poor nutrient management	Integrated Nutrient Management in Colocasia	-	-	-	Group Discussion , Input distribution, Field visit	Supply of Organic manure
3	Bitterness	Ridge Gourd	Bitterness of ridge gourd	Elimination of bitterness of ridge gourd				Group Discussion , Input distribution, Field visit	Supply of succinic acid
4	Application of Growth Regulator	Chilli	Flower and fruit drop	-	Application of NAA in prevention of flower and fruit drop in chilli	-	-	Group Discussion , Input distribution, Field visit	Supply of NAA
5	Quality planting Material	Ginger	Higher cost towards planting material	-	Cultivation of ginger through Raising Seedling	-	-	Group Discussion , Input distribution, Field visit	Supply of planting material
1	Women Friendly Tools for milking	Iron Revolving milking stool	Back pain, lack of protection of milking bucket		iron revolving milking stool	Drudgery reduction technology		Method demonstration, field visit and monitoring	Stool supplied
2	Drudgery reduction tools	Kokchong	Back pain, muscle injured, lack of work efficiency	Assessment of Kokchong		Drudgery reduction technology		Method demonstration cum field visit	Supplied kokchong
3	Postharvest lost	Jackfruit chips	Storage, processing, preservation and value addition and marketing during peak season	-	Preparation jackfruit chips	Processing and value addition of jackfruits	-	Method demonstration, field visit	Supplied raw materials , spice, oil, Packaging materials
1	Varietal Evaluation	Sesame, Toria	Unavailability of suitable HYV	-	Varietal evaluation of Sesame & Toria	-	-	-	Seeds

2	Integrated Nutrient Management	Cauli Flower & Paddy	Nutrient deficiency	1. Assessment on performance of Root dipping in SSP-mc slurry method in P-management, 2. Assessment on performance of Arka Vegetable special for correction of Boron Deficiency in Cauliflower	-	-	-	-	1. SSP,RP & Bio fertilizer 2. Arka Vegetable Special, Cauliflower seedling
3	Soil Health Management	Maize	-	-	Popularization of lime on improving soil fertility status and on improving yield of maize	-	-	-	Lime, Maize seeds
1	IPM	Brinjal	Fruit & shoot borer infestation	Assessment of impact of Chlorantraniliprole 0.3 ml/L against brinjal fruit and shoot borer	-	-	-	-	Seed, Pesticides
2	IPM	Okra	Fruit borer infestation	Assessment of certain biopesticides against fruit borer, <i>Earias spp.</i> in Okra	-	-	-	-	Seed, Pesticides
3	IPM	Bitter gourd	Fruit fly infestation	-	Management of fruit fly in bitter gourd	-	-	-	Seed, Pesticides, Trap



4	Beekeeping	Mustard	Low yield in mustard	-	Popularization of beekeeping in Enhancing Yield of Mustard	-	-	-	Seed, Bee hive
5	Oilseed production	Mustard	Low yield in mustard	-	Management of aphid	-	-	-	Seed, Agri input
6	Pulse production	Field Pea	Low yield in field pea	-	Management of field pea	-	-	-	Seed, Agri input
1.	Impact assessment -	Paddy	To identify the constraints being faced by the DFI villagers and suggest appropriate strategies to overcome them	Impact of NFSM (Paddy) conducted by KVK on income level of the farmers	-	-	-	Group Discussion , Input distribution, Field visit	-
2.	Impact assessment --	Field pea and Lentil	-----	Impact of cultivating Pulses under CFLD towards Sustainable Agriculture	-	-	-	Group Discussion , Input distribution, Field visit	-
1	Breed Introduction	Pig	No regulation in temperature for Piglets	Piglet Soothe Snooze Deck to reduce the mortality in piglets due to hypothermia and crushing injury by the dam	-	Livestock and Poultry based IFS	-	Method demonstration, scientist's visit, group discussion	Piglet Soothe Snooze Deck
2	Feeding management	Pig	No creep feeding for piglets	Creep Feeder for Piglets	-	Reducing production cost in livestock & Poultry rearing	-	Method demonstration, scientist's visit, group discussion	Creep box and creep feeder

3	Housing	Poultry	No proper shelter and facilities for poultry in backyard	-	Backyard Poultry Shelter (BPS) with nest box	Scientific Livestock & Poultry farming methods at backyard and income generating activities	-	Method demonstration, scientist's visit, group discussion	Backyard Poultry Shelter (BPS) with nest box
4	Housing	Poultry	No proper brooding in Poultry	-	Portable Mini Poultry Brooder	Utilizing resources optimally while rearing livestock & poultry	-	Method demonstration, scientist's visit, group discussion	Portable Mini Poultry Brooder
1	Pond management and high value fish culture	Fisheries	Low table fish production & awareness of high value fish farming	Assessment on performance of <b>Pengba</b> fish in polyculture system	-	<b>Pengba</b> fish culture in polyculture system	-	Field visit, Personal and group discussion, Training etc.	<b>Pengba</b> seed
2	Pond management	Fisheries	Lack of technical knowledge of high value fish production	-	Pabda farming in polyculture system	Composite fish culture	-	Field visit, Personal and group discussion, Training etc	Pabda seed
3	IFS	Fisheries	Low table fish production and reduce cost of production	-	Duck cum fish farming	Integrated fish farming	-	Field visit, Personal and group discussion, Training etc	Desi ducklings





Farm machineries										
Post Harvest Technology										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
<b>TOTAL</b>										

\* *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

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



## A.5. Results of On Farm Testing (OFT)

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)
1	Effect of Boron And Ethrel on Vegetative and fruit Character of Bottle Gourd	Poor Yield and High male/female ratio	T1: Spraying of Ethrel of at 2 and 4 true leaf stage along with the seed soaking in boron (0.05%) for 12 hours T2: Farmers Practice	Bottle gourd	8	The days to appearance of first flower were significantly reduced by T1. T1: 52 days, T2: 56 DAS Average weight of fruit was also increased. Average yield T1: 192.38 q/ha; T2: and 101.27 q/ha Sex ratio (M/F): T1: 2.79; T2: 4.32	Profitable	-	T1: 2.1; T2: 2.73
2	Integrated Nutrient Management in Colocasia	Poor nutrient management	T1: Vermicompost 1 t/ha + FYM 10t/ha + 75% Rd (80:60:80kg/ha) of NPK. The Entire quantity of Vermicompost , FYM, P <sub>2</sub> O <sub>5</sub> , K <sub>2</sub> O and Half quantity of the N is applied as Basal. Remaining quantity of N Split in two parts ,	Colocasia	8	Average yield T1: 135 q/ha T2: 110 q/ha	-	-	T1:2.3 T2: 2.7

			one applied at first earthing up (1 month after planting) and 2 <sup>nd</sup> is applied at the time of 2 <sup>nd</sup> earthing up (2 months after planting) T2: Farmers practice.						
3	Elimination of bitterness of ridge gourd	Bitterness	T1: Seed treatment with 80 ppm succinic acid followed by two nos of spray-one at 5 leaves stage and another at first pristinillate flowering stage T2: Farmer's Practice	Ridge gourd	8	Average yield 95q/ha Bitterness: Measured through sensory evaluation (Point 9 hedonic scale) T1: Average score 7.5 T2: Average score 5.5	-	-	T1:2.20 T2: 2.15
4	Assessment on performance of Kokcheng	Muscle pain, back pain, uncomfortable, less work efficiency	Performance of Kokcheng for reducing drudgery reduction	Kokcheng	2	Replaced instead of traditional ribbon which is made from tree bark, usually used in Kokcheng, it replaced by cotton Ribbon with buckles which may adjusted according to comfortable, it reduced drudgery, increase work efficiency, further it is safe for used muscle injured.	Farm women given feed back, they get very comfortable to carry firewood, bamboo shoot, other forest vegetables, even they used for marketing also	It was observed that, after working kokcheng they keep over smoke for prevention from termites damage	NA
5	Assessment on performance of Arka Vegetable special for correction of	Boron Deficiency in Cauliflower	Assessment on performance of Arka Vegetable Special for correction of Boron Deficiency in Cauliflower T1:Application of Arka Vegetable Special in	Cauliflower	9	Assessment	The Technology is found to be effective in terms of reducing the affect of Boron deficiency in Cauliflower at farmers field.	Multi-location trial is needed planned for the FY:2020-21, as per suggestions from Scientific	T1:Application of Arka Vegetable Special in Cauliflower @ 5g/lit of water as foliar spray along with application of NPK 74:50: 60



	Boron deficiency in Cauliflower		Cauliflower @ 5g/lit of water as foliar spray along with application of NPK 74:50: 60 T2: Application of Borax@ 1g/lit of water along with application of NPK: 74:50:60  T2: Farmers practice(Application of only NPK: 74:50:60)					advisory committee	T2: Application of Borax@ 1g/lit of water along with application of NPK: 74:50:60 T2: Farmers practice(Application of only NPK: 74:50:60) <b>BCR:</b> T1: 3.91 T2: 3.77 T2:3.38
6	Assessment of Root dipping in SSP-mc Slurry method of P management in transplanted rice growing areas of Khowai district	Phosphorus deficiency under acidic soils of Tripura	Assessment of Root dipping in SSP-mc Slurry method of P management in transplanted rice growing areas of Khowai district <b>Technology:</b> T1:Step-I:Root dipping of paddy seedling in soil-water slurry amended with SSP Step II: Root dipping of paddy seedling in soil water slurry amended with MC Step III: Broadcasting of RP @ 125kg/ha along with 50% Recommended	Paddy	10	Assessment	Farmers are satisfied with the adoption of the technology	The Technology is found to be effective in terms of Increasing the Paddy Yield as Well as in Increasing the available Phosphorus Status of the Soil.	T1:Step-I:Root dipping of paddy seedling in soil-water slurry amended with SSP Step II: Root dipping of paddy seedling in soil water slurry amended with MC Step III: Broadcasting of RP @ 125kg/ha along with 50% Recommended dose of N &K in the main field T2: Farmers practice(Direct

			dose of N &K in the main field T2: Farmers practice(Direct Transplanting of Paddy Seedling to the main field)						Transplanting of Paddy Seedling to the main field) BCR: T1:2.17 T2: 1.87
7	<b>Assessment of impact of Chlorantraniliprole 0.3 ml/L against brinjal fruit and shoot borer</b>	Heavy damage of shoots and fruits in brinjal crops	T <sub>1</sub> : Chlorantraniliprole 0.3 ml/L T <sub>2</sub> : Spinosad @ 0.5 ml/L T <sub>3</sub> : Indoxacarb @ 1ml/L	Brinjal	9	T1: % FD: 13.25, %SD: 8.40, Net return: Rs. 218970, B:C- 1: 3.88  T2: % FD: 18.44, %SD: 11.70, Net return: Rs. 208760, B:C- 1: 3.74  T3: % FD: 24.18, %SD: 19.83, Net return: Rs. 150640, B:C- 1: 2.27	Satisfied	-	T1: B:C- 1: 3.88  T2: B:C- 1: 3.74  T3: B:C- 1: 2.27
8	<b>Assessment of certain biopesticides against fruit borer, <i>Earias spp.</i> in Okra</b>	Damage in fruits	T <sub>1</sub> : <i>Bacillus thuringiensis</i> var. kurstaki 54% ( <i>Bt</i> ) @ 500 gm/ha T <sub>2</sub> : <i>Beauveria bassiana</i> 1 × 10 <sup>8</sup> spore/gm ( <i>Bb</i> ) @ 2500 gm/ha T <sub>3</sub> : Bt + Bb	Okra	9	T1: % FD: 10.80, Net return: Rs. 110382, B:C- 1: 2.10  T2: % FD: 18.40, Net return: Rs. 98594, B:C- 1: 1.98  T3: % FD: 6.20, Net return: Rs. 198035, B:C- 1: 2.76	Satisfied	-	T1: B:C- 1: 2.10  T2: B:C- 1: 1.98  T3: B:C- 1: 2.76

9	Impact of NFSM (Paddy) conducted by KVK on income level of the farmers	1. Income level Inappropriate tech. adoption		Paddy	60 nos farmers	1. About 72.50% farmers income level increased above Rs. 3000/kani 2. BCR= 2.3:1			
10	Impact of cultivating Pulses under CFLD towards Sustainable Agriculture	1. irregular cultivation Post harvest problems		Field pea and Lentil	50nos farmers	BCR 1. Lentil = 1.41:1 2. F Pea= 1.12:1	-	-	-
11	Piglet Soothe Snooze Deck to reduce the mortality in piglets due to hypothermia and crushing injury by the dam	No regulation in temperature for Piglets	T1: Piglet Soothe Snooze Deck to reduce the mortality in piglets due to hypothermia and crushing injury by the dam (Made of Alluminium Sheet & Bamboo) T2: Piglet Soothe Snooze Deck (Made of plywood & Bamboo) T3: Farmer's Practice(Paddy straw/gunny bag	Pig	6	<i>Mortality of Piglets upto weaning:</i> T1: 0-1, T2: 1-2, T3:3-5 <i>Body weight gain at Weaning:</i> T1: 12 kg, T2: 11kg, T3:8 kg,	Nil	Nil	T1:1.69, T2:1.34 , T3:1.15

			bed)						
12	Creep Feeder for Piglets	No creep feeding for piglets	T1: Creep Feeder for Piglets( Plastic feeder) T2: Creep Feeder for Piglets (Feeding on floor at creep box ) T3: Farmer's Practice (No Creep Feed)	Pig	6	<i>Mortality of Piglets upto weaning:</i> T1: 0-1, T2: 1-2, T3:3-5 <i>Body weight gain at Weaning:</i> T1: 12 kg, T2: 11kg, T3:8 kg,	Nil	Nil	T1:1.69, T2:1.34 , T3:1.15
13	Assessment on performance of <b>Pengba</b> fish in polyculture system	Low table fish production & awareness on high value fish culture	T1- Stocking of IMC, Exotic carp & <b>Pengba</b> fish.  Stocking density 8000 nos., Catla 20%, Silver carp 10%, Ruhu 30%, <b>Pengba</b> 10%, Mrigal 15% and Common carp 15%.  T2- Stocking of IMC, Exotic carp & <b>Pengba</b> fish.  Stocking density 8000 nos., Catla 20%, Silver carp 10%, Ruhu 35%, <b>Pengba</b> 05%, Mrigal 15% and Common carp 15%. T3- Fish culture	-	3	T1- Production 28.5 qnt./ha Growth rate of <b>Pengba</b> 150 gm  T2- Production 30.0 qnt./ha Growth rate of <b>Pengba</b> 250 gm  T3- Production 21.0	Farmers are interested to culture <b>Pengba</b> in polyculture system	More training and trail are required	1.95:1  2.14:1  1.67:1

			without Pengba			qnt./ha			

*\*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

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

List of technologies demonstrated during previous years and popularized during 2019 and recommended for large scale adoption in the district

Sl. No	Crop and Variety/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
1	Ginger	Cultivation of ginger through Raising Seedling Treat the selected Rhizome with mancozeb (0.3%) and Quinolphos(0.075%)for 30 min Cut the single bud with small piece of rhizome weighing (4g) Treat the single bud sprouts (mancozeb 0.3%, 3g/l of water 30 min) before planting fill the pro trays with nursery (sand, soil, vermicompost @1 :1:1 ) and trichoderma	5	50	20

		10 g /kg Plant the ginger bud sprout in pro-trays Seedling will be ready within 30-35 days within transplanting			
2	Chilli	Application of NAA in prevention of flower and fruit drop in chilli At the time of flowering at 15 days interval two times application of planofix @2.22 ml in 10 litres of water (Assessed in 2016-17 and 2017-18)	4	35	15
3	Jackfruit	Preparation of Jackfruits chips	12	95	
4	Milking stool	Revolving iron milking stool with stand	10	70	
5	Sesamum var. Tripura Siphing	Popularization of Sesamum var. Tripura Siphing	3	70	50
6	Toria var. Tripura Toria	Popularization of Toria var. Tripura Toria	4	90	100
7	<b>Bitter gourd</b>	<b>Management of fruit fly in bitter gourd</b> Pheromone traps @ 25 trap/ha + Gur based poison bait trap: (50 ml malathion + 200 g gur + 2 litre water).	6	130	17
8	Poultry	Rearing of upgraded poultry bird	30	350	NA
9	Poultry	Application of red spectrum of light to improve egg production	5	30	NA

- 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)		
					Proposed	Actual	SC/ST	Others	Total			N	P	K
1	Chilli	Application of Growth Regulator	Application of NAA in prevention of flower and fruit drop in chilli	Rabi, 2018-2019	0.5	0.5	5	5	10	NA	Irrigated	-	-	-
2	Ginger	Quality planting Material	Cultivation of ginger through Raising Seedling	-	0.5	0.5	5	5	10	NA	Rainfed	-	-	-
3	Sesamum	Varietal Evaluation	Popularization of Sesamum var. Tripura Siphing	Rabi, 2019	10	10.08	53	10	63	NA	Irrigated	305	127	162
4	Toria	Varietal Evaluation	Popularization of Toria var. Tripura Toria	Rabi, 2019	10	10	50	0	50		Irrigated	312	117	156

5	Jack fruit	Storage, processing, marketing,	Prepare of jackfruits Chips in hot water blenching with 0.2% KMS for 3-4 mints	1919 April-May	10 nos.	18 nos.	11	7	18	NA	NA			
6	Milking stool	Back pain, uncomfortable to milking, milk lost	Iron revolving milking stool with stand	1919,july Aug	10	10	10	0	10	NA	NA	-	-	-

**c. Performance of FLD on Crops during**

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*		GC**	GR**	NR**	BCR**	GC	GR	NR	BCR	
																		Demo
1.	Chilli	Application of Growth Regulator	0.5	48	45		50	42	-	-	67332	180000	112668	2.6	65675	198325	53370	2.4



2.	Ginger	Quality planting Material	0.5	55.2	54.0		57	52	-	-	89600	270000	180400	3.01	151500	269800	118300	1.78
3	Sesamum	Varietal evaluation	10.08	8	5	60	9	7			29823.00	64000.00	34,177.00	2.14	25750.00	40000.00	14250.00	1.55
4	Toria	Varietal evaluation	10	9.5	7.5	28.5	10	9			27928.00	66500.00	38,572.00	2.38	25995.00	52,500.00	26,505.00	2.01
5	Bitter gourd	IPM	1	14	8	75	18	10	22	40	27860	85000	57140	3.05	14640	32000	17360	2.18
6	Mustard	Beekeeping	2	9.5	6	58.33	12	7	-	-	24860	61000	36140	2.4	18980	24370	5390	1.2
7	Field pea	Seed production	30	11.75	6	95.83	13	10	-	-	31580	63450	31870	2	24980	33240	8260	1.33
8	Mustard	Seed production	20	9	5	80	12	6	-	-	27000	52700	18800	1.95	22674	25980	4315	1.14

**\*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.	Group Meeting with the oilseed and pulse growers	1	4.04.2019	45	30	75	
2.	Training Programme on package and practices of oilseeds	1	21.11.2019	27	78	105	
3.	Filed Day on Promotion of Mustard in Rice Fallow	1	4.10.2019	60	19	79	
4	Training Programme on package and practices of pulses	1	18.11.2019	52	27	79	
5	Field day on CFLD pulse	1	14.9.2019	18	14	32	

**E .Details of FLD on Enterprises**

\* Field efficiency, labour saving etc.

**(ii) Livestock Enterprises**

Sl. No.	Enterp rise/ Category (e.g., Dairy,	The matic area	Nam e of Tech nolog y	No. of farm ers	No. of unit s	No. of animals, poultry birds etc.	Major Performance parameters / indicators		% chan ge in the para mete	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Rem arks
							Dem	Chec		Demo	Chek	GC **	G R	N R	B C R	GC	GR	N R	BC R	

	Poultry etc.)						o	k	r			**	**	**						
1	Poultry	Housing	Backyard Poultry Shelter (BPS) with nest box	10	10	50	Egg production : 170/bird/yr	70/bird/yr	142%	Net return (Rs/bird): 900/-,	Net return (Rs/bird) : 300/-	500	1450	950	2.9	450	790	340	1.75	-
2	Poultry	Housing	Portable Mini Poultry Brooder	10	10	50	Mortality of Chicks: 2%,	Mortality of Chicks:FP-7.5%	(-) 5.5%	-	-	21435 per 100 birds	29400.0	7965.00	1.37	20418.75	27750.00	7331.2	1.36	

**\*\* 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.**





	Jackfruit chips	Storage techniques of fruits  (Low income at peak season)	Preparation of Jackfruit chips	18	18	a) Sensory evaluation, b) taste, appealing C) appearing d) volume, e) crispiness, f) shelf life	Shelf life, taste, color, market price	40-45%	Consumer acceptability, market price, sales stress	Wastage, sales stress, consumer demand	--	--	-	-	-	-	-	-	Jackfruit chips prepared under treatment of KMS and blanching for the certain time it enhance improved the quality of chips-color, increase shelf life. Here we have use improve packaging material
--	-----------------	---	--------------------------------	----	----	--	--	--------	--	--	----	----	---	---	---	---	---	---	---

																		Is, it design, labeling for better market.
2	Milking stool	Drudgery reduction	Revolving milking stool with stand	10	10	Back pain, milk lost, uncomfortable, safe milking,	Traditionally use, wooden stool, bare feet, without milking bucket stand	50-55%										Require organise more awareness programme and method demonstration

**\*\* 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.**





































Mobilization of social capital																							
Entrepreneurial development of farmers/youths																							
WTO and IPR issues																							
<b>XI Agro-forestry</b>																							
Production technologies																							
Nursery management																							
Integrated Farming Systems																							
<b>XII Agril. Extension</b>																							
Development of Agro-Based entrepreneurship	1	0	1	17	0	3	0	20	0	0	0	0	0	0	0	17	0	3	0	20	0	20	





Systems																						
Crop Diversification																						
Integrated Farming																						
Water management																						
Seed production																						
Nursery management																						
Integrated Crop Management																						
Fodder production																						
Production of organic inputs	2	0	2	29	0	3		32	0	6	0	0	0	06	0	35	0	3	0	38		38
<b>II. Horticulture</b>																						

a) Vegetable Crops																						
Production of low volume and high value crops																						
Off-season vegetables																						
Nursery raising	1	0	1	12	0	2	0	14	0	24	0	2	0	26	0	36	0	4	0	40	0	40
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	2	0	2	10	0	0	0	10	0	29	0	26	0	55	0	39	0	16	0	55	0	55
Cultivation of Fruit																						
Management of young plants/orchards																						
Rejuvenation of old orchards																						
Export potential fruits																						
Micro irrigation systems of orchards																						
Plant propagation techniques																						
<b>c) Ornamental Plants</b>																						

Nursery Management																						
Management of potted plants																						
Export potential of ornamental plants																						
Propagation techniques of Ornamental Plants																						
<b>d) Plantation crops</b>																						
Production and Management technology																						
Processing and value addition																						
<b>e) Tuber crops</b>																						
Production and Management	2	0	2	2	0	17	0	18	0	18	0	3	0	21	0	19	0	19	0	38	0	38

t technology																						
Processing and value addition																						
<b>f) Spices</b>																						
Production and Management technology																						
Processing and value addition																						
<b>g) Medicinal and Aromatic Plants</b>																						
Nursery management																						
Production and management technology																						
Post harvest technology and value addition																						
<b>III Soil Health and Fertility Management</b>																						



Testing																							
<b>IV Livestock Production and Management</b>																							
Dairy Management	1	0	1	0	0	30	0	30	0	0	0	13	0	13	0	0	0	43	0	43	0	43	
Poultry Management	1	0	1	0	0	0	0	0	0	19	0	4	0	23	0	19	0	4	0	23	0	23	
Piggery Management	1	0	1	23	0	7	0	30	0	3	0	0	0	3	0	26	0	7	0	33	0	33	
Rabbit Management																							
Disease Management																							
Feed management																							
Production of quality animal products	1	0	1	3	0	1	0	4	0	9	0	41	0	41	0	12	0	42	0	54	0	54	
<b>V Home Science/Women empowerment</b>																							







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																						
<b>VII Plant Protection</b>																						
Integrated Pest Management	5	-	5	52	-	14	-	66	-	60	-	18	-	78	-	112	-	32	-	144	-	144

Integrated Disease Management																						
Bio-control of pests and diseases																						
Production of bio control agents and bio pesticides																						
<b>VIII Fisheries</b>																						
Integrated fish farming	1	-	1	6	-	1	-	7	-	18	-	1	-	19	-	24	-	2	-	26	-	26
Carp breeding and hatchery management																						
Carp fry and fingerling rearing	1	-	1	-	-	-	-	-	-	17	-	8	-	25	-	17	-	8	-	25	-	25
Composite fish culture	3	-	3	9	-	14	-	23	-	22	-	33	-	55	-	31	-	47	-	78	-	78







development of farmers/youths																								
WTO and IPR issues																								
<b>XI Agro-forestry</b>																								
Production technologies																								
Nursery management																								
Integrated Farming Systems																								
<b>XII Agril. Extension</b>																								
Formation and management of Farmers Club	3	-	3	16	-	-	-	16	-	28	-	14	-	42	-	46	-	14	-	60	-	60		
Development of Agro-Based Enterprises through	1	-	1	4	-	-	-	4	-	30	-	-	-	30	-	34	-	-	-	34	-	34		



Farmers Club																						
<b>Total</b>	<b>25</b>	<b>1</b>	<b>26</b>	<b>166</b>	<b>0</b>	<b>89</b>	<b>0</b>	<b>254</b>	<b>0</b>	<b>283</b>	<b>19</b>	<b>163</b>	<b>11</b>	<b>437</b>	<b>30</b>	<b>450</b>	<b>19</b>	<b>241</b>	<b>11</b>	<b>691</b>	<b>30</b>	<b>721</b>

**(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)	
	On (1)	Sp On * (2)	Total (1+ 2)	General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
				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+1 0)	Sp. On (d= 9+1 1)	On (4+ 8)	Sp. On (5+ 9)	On (6+1 0)	Sp. On (7+1 1)	On (x = a +c )		Sp. On (y= b +d)
Mushroom Production	1	0	1	18	-	3	-	21	-	22	-	4	-	26	-	40	-	7	-	47	-	47
Bee-keeping	4	1	5	41	5	5	5	46	10	17	9	5	3	22	12	58	14	10	8	68	22	90







technology																							
Fry and fingerling rearing																							
Small scale processing	0	1	1	0	0	0	0	0	0	0	3	0	7	0	10	0	3	0	7	0	10	10	
Post Harvest Technology																							
Tailoring and Stitching	0	3	3	0	0	0	0	0	0	0	50	0	39	0	89	0	50	0	39	0	89	89	
Rural Crafts																							
Mushroom Production technology	0	3	3	0	12	0	11	0	23	0	17	0	13	0	30	0	29	0	24	0	52	52	
Soil Testing		1	1		2		1		3		11		2		13		13		3		16	16	
<b>TOTAL</b>	<b>8</b>	<b>15</b>	<b>23</b>	<b>70</b>	<b>19</b>	<b>45</b>	<b>17</b>	<b>11</b>	<b>5</b>	<b>36</b>	<b>54</b>	<b>3</b>	<b>34</b>	<b>2</b>	<b>88</b>	<b>295</b>	<b>124</b>	<b>162</b>	<b>79</b>	<b>169</b>	<b>3</b>	<b>330</b>	<b>533</b>

### 3.3.4. Achievements on Training of Rural Youth in Off Campus including Sponsored Off Campus Training Programmes

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

Thematic area	No. of Courses/ Prog.			Participants									Grand Total
	Off	Sp	Tot	General			SC/ST			Total			



crops																						
Commercial fruit production																						
Repair and maintenance of farm machinery and implements																						
Nursery Management of Horticulture crops																						
Training and pruning of orchards																						
Value addition																						
Production of quality animal products																						
Dairying	1	0	1	1	0	0	0	1	0	24	0	21	0	35	0	25	0	21	0	46	0	46
Sheep and	1	0	1	1	0	5	0	6	0	2	0	18	0	20	0	3	0	23	0	26	0	26





Cold water fisheries	1	-	1	-	-	-	-	-	-	9	-	9	-	18	-	9	-	9	-	18	-	18
Fish harvest and processing technology	1	-	1	-	-	-	-	-	-	25	-	13	-	38	-	25	-	13	-	38	-	38
Fry and fingerling rearing																						
Small scale processing																						
Post Harvest Technology																						
Tailoring and Stitching																						
Rural Crafts																						
Plant propagation techniques	2	0	2	39	0	35	0	74	0	2	0	12	0	14	0	41	0	47	0	88	0	88
Soil Testing	2		2	0	0	0	0	0	0	93	0	78	0	171	0	93	0	78	0	171	0	171
Formation and Management of Farmers	2	-	2	-	-	-	-	-	-	25	-	18	-	43	-	25	-	18	-	43	-	43







Low cost and nutrient efficient diet designing																						
Production and use of organic inputs																						
Gender mainstreaming through SHGs																						
Socio economic development of farming community through horticultural operation	1	0	1	4	0	0	0	4	0	11	0	0	0	11	0	15	0	0	0	15	0	15
Off Season vegetable production	1	0	1	6		4		10		10		9		19	0	16	0	13	0	29	0	29
Soil and Water Conservation	1	0	1	5	0	5	0	10	0	7	0	3	0	10	0	12	0	8	0	20	0	20









designing																						
Production and use of organic inputs																						
Gender mainstreaming through SHGs																						
Entrepreneurship Development	1	-	9	5	-	4	-	9	-	19	-	12	-	31	-	24	-	16	-	40	-	40
<b>TOTAL</b>	<b>3</b>	<b>0</b>	<b>11</b>	<b>18</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>23</b>	<b>0</b>	<b>54</b>	<b>0</b>	<b>28</b>	<b>0</b>	<b>48</b>	<b>0</b>	<b>72</b>	<b>0</b>	<b>33</b>	<b>0</b>	<b>105</b>	<b>0</b>	<b>105</b>

**Note: Please furnish the details of above training programmes as Annexure 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

Horticulture	Flower	Scope of Flower production	16 <sup>th</sup> - 21 <sup>st</sup> September, 2019	2	KVK, Campu s	RY	0	0	0	4	11	15	4	11	15
Horticulture	Horticulture	Socio economic Development of farming community through horticultural intervention	2 <sup>nd</sup> - 3 <sup>rd</sup> August, 2019	2	KVK, Campu s	EP	4	0	4	11	0	11	15	0	15
Horticulture	Vegetable	Off season vegetable cultivation	4 <sup>th</sup> - 6 <sup>th</sup> April, 2019	2	KVK, Campu s	EP	6	4	10	10	9	19	16	13	29
Horticulture	Nursery	Nursery Raising technique	23 <sup>rd</sup> August, 2019	1	KVK, Campu s	F&FW	7	9	16	1	1	2	8	10	18
Home Sc	Mushroom	Mushroom Growers	18 <sup>th</sup> Feb,2019 – 21 <sup>st</sup> Mar,2019	25 days	KVK campus	RY	11	2	13	6	0	6	17	2	19

Hoome Sc	Mushro om	Mushroom Cultivation Techniques	18 <sup>th</sup> Mar,2 019- 24 <sup>th</sup>  Mar,2 019	6 days	KVK,  Campu s	RY	1	9	10	4	10	14	5	19	24
Hoome Sc	Mushro om	Mushroom Cultivation Techniques	4 <sup>th</sup> Nov,2 019- 9 <sup>th</sup>  Nov,2 019	6 days	KVK,  Campu s	F&FW	8	1	9	7	1	8	15	2	19
Home Sc	Processi ng and Value addition	Seasonal Fruits (Pineapple and Guava) Processing, preservatio n and Value for self employmen t	29.7.2 019- 31.7.2 019	3 days	KVK,  Campu s	RY	5	7	12	2	2	4	7	9	16

Home Sc	Small scale processing	Seasonal minor indigenous fruits processing and value added products.	25.11.19-27.11.19	3 days	KVK, Campu s	RY	0	0	0	3	7	10	3	7	10
Home Sc	Value addition	Value addition of Cassava Tuber crops	29.10.2019 - 31.10.2019	3 days	KVK, Campu s	RY	0	0	0	16	14	30	16	14	30
Home Sc	Value addition	Value addition of Cassava Tuber crops	11.12.2019 - 13.12.2019	3 days	KVK, Campu s	RY	0	0	0	13	17	3	13	17	30
Home Sc	Weavin g	Skill Developme nt training programme on Basic weaving and Handloom	10.11.19-20.11.19	10 days	KVK, Campu s	RY	0	0	0	7	15	22	7	15	22

Home Sc	Weaving	Skill Development training programme on Basic weaving and Handloom	21.11.19-30.11.19	10 days	KVK, Campu s	RY	0	0	0	13	17	30	13	17	30
Home Sc	Mushroom	Mushroom Production Technology	4.12.19-7.12.19	4 days	KVK, Campu s	RY	0	0	0	7	3	10	7	3	10
Home Sc	Tailoring	Basic stitching and tailoring	4.11.19-7.11.19	4 days	KVK, Campu s	RY	0	0	0	30	7	37	30	7	37
Soil Science	Soil Testing	Training programme on soil testing	4.11.2019-9.11.2019	6 days	KVK Khowai	RY	2	1	3	11	2	13	13	3	16
Soil Science	Soil and Water Conservation	Advances in Soil & Water conservation	16.09.2019-18.09.2019	3 Days	Do	EP	5	5	10	7	3	10	12	8	20

PP	IDM	IDM in Potato	21.10.2019, 12.11.2019, 11.12.2019	3	KVK	RY, EP	23	7	30	13	7	20	36	14	50
PP	Beekeeping	Beekeeping	5.11.2019, 14.11.2019, 20.11.2019, 25.11.2019, 12.12.2019, 18.12.2019, 23.12.2019	3	KVK	RY & F	58	19	77	30	46	76	88	65	153
PP	Mushroom cultivation	Scientific mushroom cultivation	2.12.2019	3	KVK	RY	18	3	21	22	4	26	40	7	47
Agril. Extension	-	Development of Agro-Based entrepreneurship through Farmers Club	24.07.2019-25.07.2019	2	KVK, Khowai	F&FW	17	3	20	0	0	0	17	3	20

Agril. Extension	-	Entrepreneurship Development	18.09.2019-19.09.2019	2	KVK, Khowai	EP	5	4	9	19	12	31	24	16	40
Animal Science	Piggery	Pig rearing and management	6 <sup>th</sup> -8 <sup>th</sup> May, 2019	3	ON Campus	RY	0	0	0	8	20	28	8	20	28
Animal Science	Piggery	Pig rearing and management	13 <sup>th</sup> -15 <sup>th</sup> May, 2019	3	ON Campus	RY	0	0	0	0	28	28	0	28	28
Animal Science	Livestock	Extension service, voluntary work and public service through livestock related activities	28 <sup>th</sup> -30 <sup>th</sup> July, 2019	3	On Campus	EF	18	0	18	3	0	3	21	0	21

Animal Science	Piggery	Pig rearing and management	26 <sup>th</sup> -28 <sup>th</sup> , August 2019	3	ON	NGO Personnel	0	0	0	18	5	23	18	5	23
Animal Science	Livestock	Utilizing resources optimally while rearing livestock & poultry	20 <sup>th</sup> -21 <sup>st</sup> August, 2019	2	ON	Farmer & Farm women	3	31	34	0	0	0	3	31	34
Fishery	Fish seed production	Carp Breeding and hatchery management	15.07.2019-16.07.2019	2	KVK	RY	7	32	39	-	1	1	7	33	40
Fishery	Pond management	Composite fish culture	11.09.2019-13.09.2019	3	KVK	RY	4	5	9	7	4	11	11	9	20
Fishery	IFS	Integrated fish farming	01.04.2019-03.04.2019	3	KVK	EP	6	5	11	10	9	19	16	14	30

**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
Horticulture	Tuber crops	Production and management technology of tuber drops	23-24 September, 2019	2	North Durganagar	F&FW	1	17	18	0	2	2	1	19	20
Horticulture	Tuber crops	Production and management technology of tuber drops	26-27 <sup>th</sup> August, 2019	2	Purba Behalabari	F&FW	0	0	0	18	1	19	18	1	19
Horticulture	Flower	Scope of Flower production	6 <sup>th</sup> -7 <sup>th</sup> November, 2019	2	Haludia	RY	0	0	0	12	13	25	12	13	25
Horticulture	Propagation	Hi tech Propagation of major horticultural crops	11 <sup>th</sup> -12 <sup>th</sup> September, 2019	2	Shantinagar	RY	13	12	25	0	10	10	13	22	35
Horticulture	Propagation	Hi tech Propagation of major horticultural crops	5 <sup>th</sup> September, 2019	1	Barabil	RY	26	23	49	2	2	4	28	25	53

		I crops													
Horticulture	Orchard	Orchard Management	28 <sup>th</sup> - 29 <sup>th</sup> September, 2019	2	Badlabari	F&FW	0	0	0	12	7	19	12	7	19
Horticulture	Orchard	Orchard Management	11 <sup>th</sup> - 12 <sup>th</sup> July, 2019	2	Shantinagar	F&FW	10	0	10	17	9	26	27	9	36
Horticulture	Nursery	Nursery Raising technique	20 <sup>th</sup> – 21 <sup>st</sup> January, 2019	2	North R.C ghat	F&FW	12	2	14	24	2	26	36	4	40
Soil Science	Soil Testing	Hand hold training on soil testing	27.06.2019 - 29.06.2019	3 days	North Pulinpur ADC Village	RY	0	0	0	59	39	98	59	39	98
Soil Science	Preparation of organic input	Preparation of Panchyagav ya and its utilization in Agriculture & Horticulture	11.07.2019 - 13.07.2019	3 Days	Ghilatali	Farmer & Farmer Women	14	3	17	6	0	6	20	3	23
Soil Science	Preparation of organic input	Preparation of Panchyagav ya and its utilization in Agriculture	13.08.2019 - 15.08.2019	3Days	Behalabari	RY	0	0	0	19	3	22	19	3	22

		& Horticulture														
Soil Science	Soil Testin g	Hand hold training on Soil Testing	27.08.2019 - 29.08.2019	3 Days	Holodia	RY	0	0	0	34	39	73	34	39	73	
Soil Science	Prepar ation of organi c input	Preparation of Panchyagav ya and its utilization in Agriculture & Horticulture	15.10.2019 - 18.10.2019	3Da ys	Ghilatali	F & FW	1 5	0	15	0	0	0	15	0	15	
Soil Science	Prepar ation of organi c input	Preparation of vermicomp ost & its utilization in Agriculture & Horticul ture	1.11.2019- 19.11.2019	20 Days	Hrankhol Para	Farmer & Farm Women(Sponsored)	0	0	0	19	11	20	19	11	20	
Soil Science	Prepar ation of organi c input	Preparation of Panchyagav ya and its utilization in Agriculture & Horticul ture	21.11.19- 5.12.19	16 days	Hrankhol Para	RY	0	0	0	11	5	16	11	5	16	

		Horticulture														
PP	IPM	Integrated management of pests and diseases in summer crops	10.5.2019 14.5.2019 29.5.2019	3	RC Ghat, Gopal Nagar, Namapara	F&FW	28	10	38	50	16	66	78	26	104	
	IPM	Integrated management of pests and diseases in rabi crops	24.10.2019 21.11.2019	3	Batapora, Ratia	F&FW	24	4	28	10	2	12	34	6	40	
Agril. Extension	-----	Formation and Management of Farmers Club	17.01.2019 - 19.01.2019	3	West Laxmicherra	F&FW	-	-	-	8	6	14	8	6	14	
Agril. Extension	-----	Formation and Management of Farmers Club	05.07.2019 - 06.07.2019	2	Laxmi Narayanpur	F&FW	9	-	9	16	-	16	25	-	25	
Agril. Extension	-----	Formation and Management of Farmers	15.07.2019 - 16.07.2019	2	Dakhin Maharaniipur	RY	13	10	23	-	-	-	13	10	23	

		Club														
Agril. Extension	-----	Entrepreneurship Development	30.07.2019 - 31.07.2019	2	Pachim Rajnagar	RY	3	31	34	-	-	-	3	31	34	-
		Development of Agro-Based Enterprises through Farmers Club	08.08.2019 - 09.08.2019	2	East Hawaii Bari	F&FW	30	0	30	4	-	4	34	-	34	
Agril. Extension	-----	Formation and Management of Farmers Club	13.08.2019 - 14.08.2019	2	Behala Bari	F&FW	13	8	21	-	-	-	13	8	21	
Agril. Extension	-----	Entrepreneurship Development	20.08.2019 - 21.08.2019	2	Nakshirai Para	RY	12	19	31	-	-	-	12	19	31	
Agril. Extension	-----	Formation and Management of Farmers Club	28.08.2019 - 29.08.2019	2	Badlabari	RY	12	8	20	-	-	-	12	8	20	
Animal	Livest	Livestock and	14 <sup>th</sup> -16 <sup>th</sup> June,	3	Ghilatali	<b>Farmer &amp; Farm women</b>	0	3	30	0	13	13	0	43	43	

Science	ock	Poultry based IFS	2019					0							
Animal Science	Livestock	Livestock and Poultry based IFS	5 <sup>th</sup> -7 <sup>th</sup> July, 2019	3	South Ghilatali	Farmer & Farm women	3	1	4	9	41	50	12	42	54
Animal Science	Livestock	Scientific Livestock & Poultry farming methods at backyard and income generating activities	6 <sup>th</sup> -8 <sup>th</sup> August, 19	3	South Gokulnagar	RY	0	0	0	34	4	38	34	4	38
Animal Science	Livestock	Scientific Livestock & Poultry farming methods at backyard and income generating activities	16 <sup>th</sup> -17 <sup>th</sup> Sept, 2019	2	East Ghilatali	RY	1	0	1	24	21	45	25	21	46
Animal Science	Livestock	Reducing production cost in	15 <sup>th</sup> -16 <sup>th</sup> October,	2	North Ghilatali	RY	0	0	0	19	4	23	19	4	23

		livestock & Poultry rearing	2019													
Animal Science	Livestock	Reducing production cost in livestock & Poultry rearing	30 <sup>th</sup> -31 <sup>th</sup> October, 2019	2	Sachindra Nagar	Farmer & Farm women	23	7	30	3	0	3	26	7	33	
Animal Science	Livestock	Scientific Livestock & Poultry farming methods at backyard and income generating activities	4 <sup>th</sup> -5 <sup>th</sup> November, 2019	2	South Ghilatali	RY	1	5	6	2	18	20	3	23	26	
Animal Science	Livestock	Scientific Livestock & Poultry farming methods at backyard and income generating activities	6 <sup>th</sup> -7 <sup>th</sup> November, 2019	2	Ghilatali	RY	1	11	12	3	26	29	4	37	41	

Fishery	IFS	Integrated fish farming	03.06.2019 - 04.06.2019	2	Kamal nagar	F&FW	6	1	7	18	1	19	24	2	26
Fishery	Fish seed production	Carp fry and fingerling rearing	23.09.2019 - 25.09.2019	3	North and East Ghilatali	F&FW	-	-	-	17	8	25	17	8	25
Fishery	Pond management	Composite fish culture	05.11.2019 - 07.11.2019	3	Ghilatali	F&FW	-	1 1	11	-	32	32	-	43	43
Fishery	Pond management	Composite fish culture	12.11.2019 - 14.11.2019	3	Paharmura	F&FW	-	-	-	19	-	19	-	19	19
Fishery	Pond management	Composite fish culture	24.12.2019 - 26.12.2019	3	Durgapur	F&FW	9	3	12	3	1	4	12	4	16
Fishery	IFS	Integrated fish farming	06.08.2019 - 07.08.2019	2	Manik debbarma ADC village	RY	-	-	-	25	13	38	25	13	38
Fishery	High value fish production	Fresh water crustacean culture (i.e. Prawn)	15.10.2019 - 17.10.2019	3	Ghilatali	RY	1 5	-	15	-	-	-	15	-	15



Fishery	Fish seed production	Common carp breeding	21.12.2019 - 23.12.2019	3	Nayanpur	RY	-	-	-	9	9	18	9	9	18
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## (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			Type of enterprise ventured into	Number of units	Number of persons employed	Avg. Annual income in Rs. generated through the enterprise						
					M	F	T	M	F	T	M	F	T										
Tailoring	19.2.19-29.29.2.	10 days	Tailoring	Vocational Training on Basic sewing and tailoring	0	0	0	2	2	2	2	2	2	2	2	2	2	2	Tailoring	22	4	4000.00 - 5000.00	NETC,

\*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		
Vocational	FW/F	19.2.19 - 29.2.19	10 days	Home Sc	Tailoring	Skill Development training programme on Basic Sewing and Tailoring	0	0	0	2	20	22	2	20	22	NETC	1.21 L
On	RY	18.2.19 - 21.3.19	3 days	Home Sc	Mushroom	Skill Development training Programme on Mushroom Grower	11	2	13	6	0	6	17	2	19	ASCI	1.8 L
On	RY	18.3.19 - 24.3.19	6 days	Home Sc	Mushroom	Skill Development training Programme on Mushroom cultivation techniques	1	9	10	4	10	14	14	5	24	MANAGE	42k
On	RY	4.11.19 - 9.11.19	6 days	Home Sc	Mushroom	Skill Development training Programme on Mushroom Production--techniques	8	1	8	7	1	8	15	2	17	MANAGE	42k
On	RY	29.10.19 - 31.10.1	3 days	Home Sc	Value addition	Value addition of tuber crop	0	0	0	16	14	30	16	14	30	NETC	60.5k

		9				processing and value addition											
On	RY	11.12.1 9- 13.12.1 9	3 days	Home Sc	Value addition	Value addition of tuber crop processing and value addition	0	0	0	13	17	30	13	17	30	NE TC	60.5k
On	RY	10.11.1 9- 20.11.1 9	10 days	Home Sc	Weaving	Skill Development training programme on weaving and handloom	0	0	0	7	15	22	7	15	22	NE TC	60.5k
On	RY	21.11.1 9- 30.11.1 9	10 days	Home Sc	Weaving	Skill Development training programme on weaving and handloom	0	0	0	13	17	30	13	17	30	NE TC	60.5k
On	RY	4.11.19 - 7.11.19	4 days	Home Sc	Tailoring	Skill Devt training programme on Basic Stitching	0	0	0	30	7	37	30	7	37	NE TC	30K
On	RY	25.11.1 9- 27.11.1 9	3 days	Home Sc	Small scale processing	Skill Development training programme seasonal minor indigenous fruits	0	0	0	3	7	10	3	7	10	NE TC	20k
ON	-	07.01.1 9- 11.01.1 9	5 days	Soil Science	Vermicompost	Preparation of Vermicompost as a source	-	-	-	20	13	33	20	13	33	NE TC	-

						of income generation												
ON	RY	20.02.19-22.03.19	1month	Soil Science	Vermicompost	Skill development training on Vermicompost producer	6	1	7	13	-	13	19	1	20	ASCI	-	
ON	FW/F	12.03.19-15.03.19	4 days	Soil Science	Panchagavya	Preparation of Panchagavya and utilization in Agriculture and Horticulture	-	-	-	3	11	14	3	11	14	NETC	-	
OFF	FW/F	01.11.19-19.11.19	19 days	Soil Science	Vermicompost	Skill development training on Vermicompost preparation and its utilization in Agriculture and Horticulture	-	-	-	19	11	30	19	11	30	NETC	-	
ON	RY	04.11.19-09.11.19	5 days	Soil Science	Soil Testing	Skill training on Soil Testing	2	1	3	11	2	13	13	3	16	MANAGE	-	
ON	RY	21.11.19-09.12.19	19 days	Soil Science	Panchagavya	Skill training on Preparation of Panchagavya	-	-	-	21	9	30	21	9	30	NETC	-	
ON	RY	25.03.19-30.03.19	6 days	Animal Science	Pig rearing and management	Skill training on Pig Rearing and Management	-	-	-	15	0	15	15	0	15	MANAGE	-	

ON	RY	06.05.19-08.05.19	3 days	Animal Science	Pig rearing and management	Skill training on Pig Rearing and Management	-	-	-	8	20	28	8	20	28	NE RL P	-
ON	RY	13.05.19-16.05.19	4 days	Animal Science	Pig rearing and management	Skill training on Pig Rearing and Management	-	-	-	-	28	28	-	28	28	NE RL P	-
ON	RY	26.08.19-28.08.19	3 days	Animal Science	Integrate d homestea d farming approach as a hobby and financial security	Integrated homestead farming approach as a hobby and financial security	-	-	-	18	5	23	18	5	23	Tat a Tru st	-
ON	RY	25.03.19-30.03.19	7 days	Fishery	Fish rearing and management	Skill training on fish rearing and management	11	-	1 1	2	-	2	13	-	13	MA NA GE	-
ON	RY	25.03.19-30.03.19	7 days	Horticult ure	Productio n and Marketin g of Planting Materials	Skill development Production and Marketing of Planting Materials	1	1	2	8	6	14	9	7	16	MA NA GE	-
OFF	FW/F	25.09.19-04.10.19	11 days	Horticult ure	Productio n of quality planting materials	Skill training on Production of quality planting materials	-	-	-	10	10	20	10	10	20	NE TC	-
ON	FW/F	12.03.19-	4 days	Plant Protectio	Poverty alleviatio	Poverty alleviation	-	-	-	3	11	14	3	11	14	NE TC	-

		15.03.19		n	n and Empowerment of local people	and Empowerment of local people through skill development training on beekeeping																										
ON	FW/F	13.05.19-17.05.19	5 days	Plant Protection	Integrated Pest Management	IPM in Vegetables	-	-	-	7	8	15	7	8	15	MA	NA	GE	-													
ON	FW/F	11.11.19-16.11.19	6 days	Plant Protection	STRY on Bee Keeping	Training on Bee Keeping	6	-	6	9	-	9	15	-	15	MA	NA	GE	-													
ON	FW/F	06.11.19-25.11.19	20 days	Plant Protection	Poverty alleviation and Empowerment of local people	Poverty alleviation and Empowerment of local people through skill development training on beekeeping	-	-	-	9	1	10	9	1	10	NE	TC		-													
ON	FW/F	20.12.19	1 day	Plant Protection	Rodent Pest Management	Training on Rodent Pest Management	3	-	3	21	-	21	24	-	24	Nat	ion	al	Inst	itut	e	of	Pla	nt	Hea	lth	Ma	nag	eme	nt(		-

																			NIP HM )	
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**3.4. Extension Activities (including activities of FLD programmes) (Please mention specific Extension Activity conducted by the KVK such as Field Day, KisanMela, Exhibition, Diagnostic Visit, etc) during**

Sl. No.	Extension Activity	Topic	Date and duration	No. of activities	Participants											
					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	Agriculture & Allied	08.01.2019-03.12.2019	556	214	68	504	290	115	183	0	0	0	504	183	687
2.	Diagnostic visit	Agriculture & Allied	24.01.2019, 18.01.2019, 22.03.2019, 17.05.2019, 16.07.2019, 30.08.2019, 03.10.2019, 20.12.2019, 24.12.2019	9	50	7	57	42	3	45	0	0	0	92	10	109
3.	Field day	Field day on CFLD Pulses, Field	16.02.2019, 26.03.2019, 04.05.2019	4	63	67	130	199	60	259	0	0	0	262	127	389





	club															
13.	Ex-trainee Sammelan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14.	Farmers seminar/ workshop	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15.	Method demonstration	Mushroom Production, Jal Shakti Abhiyan, Awareness Proframme on DEDS	21.02.2019, 04.04.2019, 05.04.2019, 26.06.2019, 28.06.2019, 05.08.2019, 22.07.2019, 29.07.2019, 07.09.2019, 10.10.2019, 21.10.2019, 18.11.2019, 19.11.2019, 21.11.2019, 26.11.2019	16	33	56	89	99	96	195	0	0	0	132	152	284
16.	Celebration of important days	Celebration of 150 <sup>th</sup> Birth Anniversary Mahatma Gandhi, Constitution	02.10.2019, 26.11.2019, 05.12.2019, 23.12.2019	4	82	104	143	107	32	139	0	0	0	189	136	325



22.	Radio talk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23.	TV talk	Agriculture & Allied	Jan.- Dec., 2019	3	-	-	-	-	-	-	-	-	-	-	-	-
24.	Training manual	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25.	Soil health camp	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26.	Awareness campaign (Kharif & Rabi)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27.	Lecture delivered as resource person	Agriculture and Allied	31.01.2019 - 6.11.2019	55	1001	454	1455	1757	713	2470	0	0	0	2758	1167	3925
28.	PRA	Agriculture and Allied	04.04.2019, 05.04.2019, 08.04.2019	3	30	7	37	22	33	55	0	0	0	52	40	92
29.	Farmer-Scientist interaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30.	Soil test campaign	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31.	MahilaMandal Convener meet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32.	<b>Any other (Please specify)</b>															
i.	Farm Science Club Conveners meet	Agriculture and Allied	03.05.2019	1	26	3	29	52	6	58	0	0	0	78	9	87
ii.	PM Kisan	Agriculture and	24.2.2019	1	31	9	40	18	12	30	0	0	0	49	21	70

		Allied														
iii.	Awareness prog. On VATICA	VATICA	19.3.2019	1	7	12	19	4	14	18	0	0	0	11	30	41
iv.	Awareness Programme on “NARI”	NARI	22.11.2018, 24.11.2018, 29.11.2018	3	27	132	159	36	113	139	0	0	0	63	245	308
v.	National Productivity Day	Productivity	12.2.2019	1	0	5	5	1	5	6	0	0	0	1	10	11
vi.	Press Conference	Agriculture and Allied	24.07.2019	1	7	0	7	1	0	1	0	0	0	8	0	8
vii.	Farmer’s Club convener’s meet	Agriculture and Allied	03.05.2019	1	33	15	48	24	15	39	0	0	0	57	30	87
viii	Swacha Bharat	Swachwata	25.01.2019, 13.03.2019, 31.05.2019, 12.06.2019, 20.07.2019, 22.08.2019, 02.11.2019	7	58	27	85	31	16	47	0	0	0	89	43	132
ix.	Swachhta Pakhwada	Swachwata	16.12.2019, 17.12.2019, 18.12.2019, 19.12.2019, 20.12.2019, 21.12.2019, 22.12.2019, 23.12.2019, 24.12.2019, 25.12.2019, 26.12.2019, 27.12.2019, 28.12.2019,	16	69	24	93	130	32	162	0	0	0	199	56	255

			29.12.2019, 30.12.2019, 31.12.2019													
x.	Swachhata hi Sewa	Swachwata	11.09.2019, 12.09.2019, 13.09.2019, 14.09.2019, 15.09.2019, 16.09.2019, 17.09.2019, 18.09.2019, 19.09.2019, 20.09.2019, 21.09.2019, 22.09.2019, 23.09.2019, 24.09.2019, 25.09.2019, 26.09.2019, 27.09.2019, 28.09.2019, 29.09.2019, 30.09.2019, 01.10.2019, 02.10.2019	22	469	132	601	378	101	479	0	0	0	847	233	1080
xi.	Awareness Programme on Jal Shakti Abhiyan	Awareness Programme	05.07.2019, 29.07.2019, 16.08.2019, 23.08.2019, 30.08.2019, 03.09.2019	6	312	184	496	653	196	860	6	1	7	971	381	1352
xii.	Interface	Awareness	09.07.2019	1	5	-	5	14	-	14	0	0	0	19	-	19

	meeting on Jal Shakti Abhiyan	Programme														
xiii.	Sensitization programme on Dairy Enterprise development scheme under NABARD	Awareness Programme	22.07.2019	1	54	2	56	28	1	29	0	0	0	82	3	85
xiv.	District level workshop on Dairy Enterprise development scheme	Awareness Programme	31.07.2019	1	29	4	33	13	3	16	0	0	0	42	7	49
xv.	National Animal Disease Control Programme, National Artificial Insemination Programme and Swachhta Hi Sewa	Awareness Programme	11.09.2019	1	23	17	40	156	49	205	0	0	0	179	66	245
xvi.	Mega Plantation Campaign and Farmer's Seminar	Awareness Programme	17.09.2019	1	80	6	86	113	26	139	0	0	0	193	32	225
xvii.	Orientation Programme on RAWEP under Rural Entrepreneurship	Awareness Programme	07.09.2019	1	5	4	9	6	4	10	0	0	0	11	8	19

	Awareness Development Yojana (READY)															
xviii.	Awareness programme on Dairy Entrepreneurship Development	Awareness Programme	07.09.2019	1	30	8	38	11	1	12	0	0	0	41	9	50
xix.	Launching of Skill Development Training programme for sponsored by NETC	Training Programme	25.09.2019, 19.10.2019	2	0	0	0	38	52	90	0	0	0	38	52	90
xx.	Workshop cum training on “Recent advances in aquaculture with special reference to biofloc fish farming”	Training Programme	10.10.2019	1	15	2	17	16	1	17	0	0	0	31	3	34
xxi.	Regional seminar on spices	Awareness Programme	21.10.2019	1	31	2	33	50	3	53	0	0	0	81	5	86
xxii.	Awareness programme on Balance use of	Awareness Programme	22.10.2019	1	103	18	121	68	21	89	0	0	0	171	39	210



	Fertilizer															
xxiii.	Input distribution under NFSM cum inauguration of Farmer's Club office	Agriculture and Allied	18.11.2019	1	2	4	6	56	17	73	0	0	0	58	21	79
xxiv.	Input distribution programme under skill training programme on production of vermicompost	Agriculture and Allied	19.11.2019	1	0	0	0	18	28	46	0	0	0	18	28	46
xxv.	Input distribution under NMOOP cum inauguration of Farmer's Club office	Agriculture and Allied	21.11.2019	1	10	8	18	44	43	87	0	0	0	54	52	105
xxvi.	QRT members-Farmer's interaction session	Agriculture and Allied	04.12.2019	1	6	5	11	87	54	141	0	0	0	93	59	152
xxvii.	Livestock distribution under Livestock Generation for	Animal Husbandry	28.12.2019	1	7	4	11	13	20	33	0	0	0	20	24	44

	Asset less person															
xxviii.	Orientation Programme on Importance of farmers club	Agriculture and Allied	04.10.2019	1	3	0	3	53	5	56	0	0	0	56	5	61
<b>Grand Total</b>				<b>1438</b>	<b>3375</b>	<b>1570</b>	<b>5124</b>	<b>5497</b>	<b>2299</b>	<b>7573</b>	<b>6</b>	<b>1</b>	<b>7</b>	<b>8878</b>	<b>3875</b>	<b>12759</b>

### 3.5 Production and supply of Technological products during

#### A. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Number of recipient/ beneficiaries		
					General	SC/ST	Total
<b>CEREALS</b>	Paddy	Gomati	65	130000.00	460	140	600
<b>OILSEEDS</b>	Sesame	Tripura Siphing	0.1	1000.00	8	2	10
<b>PULSES</b>	-	-	-	-	-	-	-
<b>VEGETABLES</b>	Colocasia	Muktakeshi	0.5	2400.00	1	-	1
	TPS tuberlet	HPS II/67	12	80000.00	13	31	44
	Rajma	Local	0.13	1300.00	1	-	1
<b>FLOWERS CROPS</b>	-	-	-	-	-	-	-
<b>OTHERS</b>	Dhaincha	Local	1.3	13000.00	10	10	20

TOTAL			79.03	227700.00	493	183	676
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**A1. SUMMARY of Production and supply of Seed Materials during 2017-18**

Sl. No.	Major group/class	Quantity (q) produced	Quantity (q) supplied	Value (Rs.) of quantity produced	Number of recipient/ beneficiaries		
					General	SC/ST	Total
1	CEREALS	65	64.9	130000.00	460	140	600
2	OILSEEDS	0.1	0.09	1000.00	8	2	10
3	PULSES	-	-	-	-	-	-
4	VEGETABLES	12.63	12.13	83700.00	15	31	46
5	FLOWER CROPS	-	-	-	-	-	-
6	OTHERS	1.3	0.82	13000.00	10	10	20
<b>TOTAL</b>		<b>79.03</b>	<b>77.94</b>	<b>227700.00</b>	<b>493</b>	<b>183</b>	<b>676</b>

**B. Production and supply of Planting Materials (Nos. in No.) during**

Major group/class	Crop	Variety	Quantity (In No) produced	Quantity (In No.) supplied	Value (Rs.) produced	Number of recipient/ beneficiaries		
						General	SC/ST	Total
<b>Fruits</b>	Mango graft	Amrapali	300	290	15000.00	142	95	237
	Litchi (Air Layered)	Bombay	62	40	2790.00	15	22	37
	Coconut seedlings	Kanchanpuri ,West Coast	10	10	550.00	6	2	8
	Sweet orange (Air Layered)	Valencia ,Nagpuri Santra, Mosambi	27	25	1080.00	5	11	16
	Lemon cuttings	Gandharaj	350	246	5250.00	13	30	43
	Pineapple suckers	Kew , Queen	1250	1250	1250.00	-	1	1
<b>Spices</b>	Ginger cuttings	Nadia	6400	6350	19200.00	-	6	6
	Black pepper cuttings	Local	12	1	240.00	1	1	2
	Cinnamon seedlings	Local	15	12	300.00	5	3	8
<b>Vegetables</b>	Tomato seedlings	Trishul , TO 1458, Bidisha, Mahima	18000	15833	36000.00	57	96	153
	Cauliflower seedlings	Snow Pearl, White marble , White shot	11800	11231	29500.00	102	22	124
	Chilli seedlings	VNR 377 , Zoya	9200	8780	13800.00	152	27	179
	Capsicum seedlings	Indra	2800	2772	16800.00	32	40	72
	Cabbage seedlings	Rare Ball , Anjali , Nandini, Swadeshi	23100	12997	34650.00	33	127	160
	Red cabbage seedlings	Red Jewel	3500	2612	7000.00	24	47	71

	Knol khol seedlings	Jambo 10 , Spin Top ,Rupsa	7500	6270	11250.00	20	61	81
	Broccoli seedlings	Besty	4150	3710	12450.00	30	45	75
	Brinjal seedlings	Bhangor Giant	3750	2213	5625.00	18	17	35
	Chinese cabbage seedlings	Tropic Prince	3250	2580	6500.00	10	41	51
	Iceberg seedlings	NS 1451	1500	910	3000.00	8	42	50
	Lettuce seedlings	NS 10353, NS 11485	1350	842	2025.00	8	43	51
	Papaya seedlings	RCTP 8, Tripura Papita	8500	7783	127500.00	290	361	651
<b>TOTAL</b>			<b>106826</b>	<b>86757</b>	<b>351760.00</b>	<b>971</b>	<b>1140</b>	<b>2111</b>



**D. Production of livestock during**

Sl. No.	Type/ category of livestock	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		
			(Nos)	Kgs		General	SC/ST	Total
1	<b>Cattle/ Dairy</b>	-	-	-	-	-	-	-
2	<b>Goat</b>	-	-	-	-	-	-	-
		-	-	-	-	-	-	-
3	<b>Piggery</b>	LWYSXLR	112 nos.	-	5.78580	34	50	84
4	<b>Poultry</b>	Kroiler	4101 nos.	-	3.04570	46	19	65
5	<b>Fisheries</b>							
	Fingerlings	IMC, Exotic carp & minor carp	22,000	-	17600.00	12	7	19
	Table fish	IMC, Exotic carp & minor carp	-	1615 kg	258679.00	375	230	605

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

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.):\_\_\_\_\_

(B) Articles/ Literature developed/published

Item	Title /and Name of Journal	Authors name	Number of copies	
			Produced/ published	Supplied/ distributed
<b>Research papers</b>				
1. Integrated Crop management in paddy changing the income level of paddy farmers of North Pulinpur ADC village of Tripura under NICRA	International Journal of Agriculture Sciences	DEY, D., DAS S.P., NATH D., DEBBARNA L.L., DAS R., BISWSAS S.C. AND CHAKRABORTY A	-	-
2. Ethnobotanical survey and documentation of wild edible plants used by the tribals of Tripura, northeastern India	International Symposium on Underutilized Plant Species	Chakraborty, D. Nath, S. Biswas, S. Shil and D. Dey	-	-
3. Adoption of TPS (True Potato Seed) cultivation practices by the farmers of Tripura	International Journal of Science, Environment	Dr. Dipak Nath and Subhra Shil	-	-
4. Effect of bunch bagging on fruit	International Journal of Plant Protection	S.Shil, D.Nath, D.Dey and A. Chakraborty	-	-



quality of banana cv. SABRI				
5. Assessment of Certain Strategies to Mango Fruit Fly <i>Bactrocera cucurbitae</i> (Coquillett) in Bitter Gourd of Tripura.	International Journal of Current Microbiology and Applied Sciences	Ardhendhu Chakraborty, Dipak Nath, Subhra Shil, Dipankar Dey, Rajib Das, Suresh Chandra Biswas, Nurul Islam and Subrata Choudhury	-	-
6. Doubling Income of Paddy Farmers of Tripura Through Raised and Sunken Bed Technology	International Journal of Agriculture Sciences	DEY D., DAS A., NATH D., CHOUDHURY S., CHAKRABORTY A., DAS R., DEBBARMA L., AND REANG P.	-	-
7. Method for estimating potentially available inorganic phosphorus under organic farming system	International Journal of Chemical Studies	Dipankar Dey, Satadeep Singha Roy, Niharendu Saha, Anupam Datta and Pradip Dey	-	-
8. Raised and Sunken Bed Technology for Doubling Paddy farmers income of Tripura	National Conference on Commercial Crops Processing and Value Addition, Agartala , Tripura	Dipankar Dey, Anup Das, Debashish Sen, Samik Choudhury, Dipak Nath, Lord Litan Debbarma, Prasanrta Reang, Suresh Chandra Biswas, Ardhendhu Chakraborty and Subrata Choudhury	-	-
9. Scope of	National Conference on Commercial	Suresh Chandra Biswaas,		

Processing and Value addition of Pineapple and Jackfruit for improving livelihood in hilly areas of Tripura.	Crops Processing and Value Addition, Agartala , Tripura	T.K.Mishra, S.Das, Dipak Nath and Dipankar Dey		
<b>Book Chapter</b>				
10. Phosphorus Microbiology under organic farming system	“Advance Technologies in Agriculture for Doubling farmers Income”. Book Published by New Delhi Publishers , ISBN: 978-93-86453-61-7	Dipankar Dey, N. Saha, M. C. Kundu	-	-
11. Farmers Prosperity through adoption of System of Rice Intensification in Tripura	Resilience Building and Sustainable Development of Indian Perspective. Book Published by New Delhi Publishers	Dipankar Dey, M. C. Kundu, A. Chakraborty, D. Nath, L. Debbarma	-	-
<b>Leaflets/folders</b>				
12. Scientific method of mixed fish farming	KVK, Khowai (Tripura) Publication no. KVK (KT) 2019-20/01	Subrata Choudhury, Dipankar Dey, Lord Litan Debbarma	-	-
<b>Any other (Pl. specify)</b>				
Success Story 1. Drishyayan	KV, Khowai (Tripura)		-	-
2. A dream journey from <i>Cannabis sativa</i> grower to prestigious ICAR Pandit Deen Dayal Upadhyay Antyodaya Award	Empowering Agricultural Knowledge and Innovation in North East		-	-

Winner, 2018				
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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**

<b>S. No.</b>	<b>Type of media (CD / VCD / DVD / Audio-Cassette)</b>	<b>Title of the programme</b>	<b>Number produced</b>
-	-	-	-

**12.7. Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs)**

**Integrated Farming System bringing smile at DFI adopted Villages of Khowai District of Tripura**

**Farmer: 1:**

Mr. Jivan Das

**Address:** S/O: LATE KSHIR MOHAN DAS, VILL NAYANPUR, P.O: M.T PARA , TELIAMURA KHOWAI ,TRIPURA PIN: 799205,Mobile No: 09612933475



**Introduction:**Shri Jivan Das a progressive farmer of Nayanpur Village has adopted the Integrated Crop Management in Vegetables (Mainly in Pointed & Spine Gourd) under the technical guidance Krishi Vigyan Kendra Khowai,Tripura. Nayanpur is a small village situated in the Khowai district of Tripura, almost whole village is dependent on Agriculture and allied activities for livelihood and income generation. But due to the lack of scientific interventions in Agriculture & Allied Sectors the income of the farmers were very low in the village. Considering the above facts KVK Khowai has formed a farmers club named as “Economic & Social Development FC” at Nayanpur Village. Mr. Jivan Das has been selected as the Secretary of the farmers club. Initially Mr. Jiban Das was having 0.48 ha of land where he used to grow Paddy in 0.16 ha area and subsequently Vegetables (Mainly

Spine Gourd & Pointed Gourd) in 0.32 ha area. He was also having one farm pond of 0.12 ha area where he was growing fishes for home consumption only without scientific intervention.

**Economics of Mr. Jivan Das's farm (Pre-KVK intervention):**

Component	Area (ha)	Gross Cost (Rs)	Gross Income (Rs)	Net Income (Rs)
Paddy	0.16	7000.00	10000.00	3000.00
Vegetables	0.32	30000.00	70000.00	40000.00
Fishery	0.12	8000.00	20000.00	12000.00
Annual Net Income (Rs)				55000.00

As the Secretary of the farmers club he has taken lead role in motivating the farmers of his village in adopting the various components of Integrated Crop Management practice after undergoing many capacity building programmes organized by KVK, Khowai. With Vegetable cultivation mainly in Pointed Gourd and Spine Gourd after adoption of Integrated Crop Management Practice Mr. Jivan Das doubled the income in the very first year. With the additional income he has taken 0.96 ha area of land in lease and started growing Pointed Gourd and Spine Gourd in that land with ICM. He was following Soil test based nutrient management, IPM etc in his plot. At present Mr. Jivan Das is growing Vegetables (Mainly Pointed gourd and Spine Gourd) at an area of 1.6 ha, moreover he is also Producing and harvesting Vermicompost in his farm, on an average of around three quintal Vermicompost along with fifteen litre vermivash /chamber (2m×1m×0.6m×2)/cycle. The farm Pond is now also used for composite fish culture with average yield of 25 q/year/ha during 2018-19. Besides Vegetable Cultivation he has also took training in Seed production and supplying certified seeds

of Ground Nut, Arhar, Chilli, Radish, Bhendi, Moong, Jute, Cow Pea to the Department of Agriculture, Govt. of Tripura under Registered Grower Programme from his Seed production area of 0.44 ha.

**Economics of Mr. Jivan Das's farm (Post-KVK intervention, 2019):**

Component	Area (ha)	Gross Cost (Rs)	Gross Income (Rs)	Net Income (Rs)
Paddy	0.16	8000.00	12000.00	4000.00
Vegetables	1.28	280000.00	560000.00	280000.00
Fishery	0.12	15000.00	35000.00	20000.00
Seed Production	0.44	Gross cost and income varies as per the seed production programme.		100000.00 (Avg)
Annual Net Income (Rs)				404,000.00

In addition of being an early adopter, Mr. Jivan Das is also recognized for his innovative ideas by ICAR. With his innovative idea he has reduced the labour cost of Weeding in Pointed Gourd/Spine Gourd Cultivation by using power tiller as a tool of drudgery reduction. As a recognition for his innovative idea he has been awarded with prestigious “**Best Innovative Farmer of North East**” award during the year 2017. Due to his leadership skill at present KVK, Khowai is implementing two important Projects at Nayanpur Village viz. “National Innovation in Climate Resilient Agriculture” & “Pilot Project on Doubling Farmers Income by 2022”. As a part of out-scaling of successful interventions under National Innovations in Climate Resilient Agriculture (NICRA) Project at Nayanpur Village, KVK, Khowai has installed a Nano solar pump in his farm pond, harvested Water from the farm pond provided life saving irrigation during rabi season for high value vegetable cultivation.

**Impact:**

By adopting various tools of Integrated Crop Management and Climate smart Agriculture, Mr. Jivan Das has already significantly increased his income within a very short period of time. Only with the income of farming he has increased his area of cultivation from 0.60 ha to 2 ha. Moreover he is also playing a key role in doubling the farmers income of Nayanpur Village by 2022 with his leadership capacity and holistic approach towards his farmers friends. He is now acting as a mobilizer in dissemination of the modern technologies to the each and every farmers of his village. Due to his efforts other institutes like ICAR Research Complex for NEH region, Tripura Centre is also coming up in collaboration mode with KVK, Khowai for doubling the income of the Nayanpur Village. Due to his motivation and support many of the farmers of Nayanpur Village has already doubled their income within two years of implementation of the pilot project at Nayanpur Village with the technical support of KVK, Khowai. Thus he is now acting as a motivator for all the Small and Marginal farmers of the Village as well as farmers of the nearby Village of the District.

**Key Highlights of Mr. Jivan Das's Contribution :**

- First Farmer to adopt Solar Nano Pump Technology for Supplemental Irrigation at Nayanpur Village.
- First Farmer to adopt Certified Seed Production of Bhendi, Ground Nut, Chilli, Reddish at Nayanpur Village under Registered Grower Programme of Department of Agriculture & Farmers Welfare, Govt of Tripura.
- Performing the duty of Secretary of “Economic & Social Development Farmers club”.
- Innovator of Drudgery reduction through Power Tiller in Pointed Gourd & Spine Gourd Cultivation.
- First farmer to who has started High Value vegetables cultivation at Nayanpur Village.
- Participated & won many prizes during vegetable show competition organized by Department of Agriculture, Govt of Tripura.

**Conclusion:**

Through all these achievements Mr. Jivan Das is now acting as a role model for the other farmers of the Khowai District of Tripura and many farmers of nearby villages are visiting Mr. Jivan Das's farm. Besides, students from College of Agriculture, Tripura have visited his farm to gather knowledge and exposure on Scientific Integrated Farming under Tripura Condition.

**Farmer 2:**

**Mr. Bijoylal Majumder**

**Address:**

S/O: Sri Arabinda Majumder, 6/244/1, Batappura Para, Village: East Ramchandra Ghat, P.O: North R.C. Ghat, Mauja: Laxmi Narayanpur, PIN-799207, District: Khowai, State: Tripura, Mobile no: 8974765692



**Introduction:**

Mr Bijoylal Majumder is associated with a farmers club namely "Nabin Krishak club" of Khowai District of Tripura. Shri Bijoy Lal Majumder contributed a lot to his family and the society through his motivation, sacrifice and hard work after coming out from landless labour family background. He started to earn livelihood through day wages with his father and saved little amount to have his leased land for own cultivation. He associated himself with KVK Khowai and acquired agricultural technologies which he applied in his field. He was exploring income generating activities through the guidance of the KVK and expanded his activities to many folds. Initially they had only a small plot of 0.104 ha for living but now he own 2.024 ha of land.

Now, he is a role model in agricultural sector for entire region. He is Assistant Cashier of Nabin Krishak Club formed under NABARD through guidance from KVK. Almost every projects of KVK is implemented at his plots and he adopted the technologies



successfully. He used to teach the fellow farmers about the different technologies and encouraged the rural youths to engage in agricultural practices. A high tech poly house is also established at his plot for production and supply of planting material of seasonal and off season vegetables. He has now 1.28 ha of cultivable land where paddy is grown at two seasons in 0.72 ha and vegetables are grown in 3.5 0.56 ha where another 0.24 ha is utilized for vegetable cultivation in cropping system mode. He has another 3 nos. of ponds at area of 0.376 ha are for composite fish culture and a total of 0.368 ha homestead farm where areca nut, coconut, litchi, ber, pineapple, pomelo, mango, papaya, black pepper etc are grown. He acquired knowledge on livestock rearing also and presently keeping 5 nos. of cattle, 2 nos. of pig, 2 nos. of goat, 3 nos. of rabbit and 20 nos. of poultry birds. He has 3 vermicompost tanks which were established under spices board's subsidy programme mobilized by the KVK. He is also a certified "Vermicompost Producer", certified by Ministry of Skill Development and entrepreneurship, Govt of India under Skill Development programme. He has one Bio gas plant which was mobilized by the KVK through department of science and technology, Govt of Tripura. He is a good potato tuberlet producer from True Potato Seed (TPS). He is a registered seed grower of paddy and potato. Presently he cultivates ginger, brinjal, okra, tomato, Cowpea, Chilli, Colocasia, bottle gourd, coriander, pumpkin, ash gourd, cucumber, Dolicos bean, and sugarcane and Sabri banana at boundaries of the plots. Mr. Majumder has received several recognition as good producer of vegetables at different agri fair. Productivity of his interventions is also better in comparison to other fellow farmers due to application of scientific interventions. He is a master trainer under Doubling Farmers Programme.

### **Impact:**

- Awarded with Prestigious ICAR "**Pandit Deen Dayal Upadhyay Antyodaya Krishi Puruskar during the year**
- Mr. Bijoylal Majumder is the pioneer of scientific integrated farming system mode cultivation at East Ramchandra ghat Village. Having almost all the component viz agriculture/ Horticulture/ Animal husbandry/ Fishery etc. Now almost all the farmers are following the same practice, which helped them to improve their livelihood.
- He is associated with production and supply of quality TPS tuberlet through contract farming with Department of Agriculture, Govt of Tripura.

- He is Involve in the Paddy, Green Gram, Black Gram, Sesamum breeder seed Production Programme and Supplied Breeder Seeds to ICAR Tripura Centre.
- He has developed a bamboo made rat trap which is very much effective and recognized and Awarded by other Institutes.
- He is a certified “Vermicompost Producer” certified by Ministry of Skill Development and entrepreneurship, Govt of India under Skill Development programme.
- He has received several recognition as good producer of vegetables at different District /State/Block Level Agri Fair.

**Economics of Shri Bijoylal Majumder”s Farm during the year 2019 :**

Particulars	Total Expenditure	Gross Income	Net Profit	Remarks
Paddy	48000.00	90000.00	42000.00	Area: 1 ha
Cabbage	6300.00	22000.00	15700.00	Area: 0.04 ha
Tomato	6400.00	17000.00	10600.00	Area: 0.04 ha
T.P.S tuberlet	31120.00	120000.00	88880.00	Area: 0.32 ha
Brinjal	15488.00	55000.00	39512.00	Area: 0.08 ha
Colocasia	10300.00	37000.00	26700.00	Area: 0.08 ha
Chilli	12430.00	45000.00	32570.00	Area: 0.08 ha
Bottle Gourd	3500.00	14000.00	10500.00	Area: 0.04 ha
Basella	4640.00	16500.00	11860.00	Area: 0.024
Areca nut	2000.00	7000.00	5000.00	Nos: 60
Coriander	2150.00	6000.00	3850.00	Area: 0.016
Piggery	34500.00	55000.00	20,500.00	Nos: 3
Fishery	48600.00	110000.00	61400.00	Area: 0.38 ha
Dairy	36480.00	70800.00	34320.00	Nos:5
Goat	600.00	20000.00	19400.00	Nos: 2

Rabbit	1000.00	7200.00	6200.00	Nos:3
Poultry	1000.00	5300.00	4300.00	Nos: 20
Vermi compost	1000.00	9000.00	8000.00	Nos. 3 tanks
Bio-Gas Plant	4000.00	7200.00	3200.00	Portable
Misc (Dolichos bean, Sugarcane, Pine apple, banana, ber, Litchi, pomelo, Mango, papaya, black pepper etc)	2000.00	7000.00	5000.00	Homestead
Ginger, turmeric	2500.00	9500.00	7000.00	Var: Nadia (Ginger)
<b>Total</b>	<b>274008.00</b>	<b>730500.00</b>	<b>456492.00</b>	

### Conclusion:

With his innovative ideas and hard work Mr. Bijoylal Majumder not only changed the life style of his family but, he has brought many young people in the field of Agriculture & allied activities and trying to retain them by motivating through his farmers club. Now many young people of East R.C Ghat Village and nearby villages have come out and started forming farmers clubs by this way they are trying to improve their lifestyle through Agriculture & allied activities. Some of them have started managing Custom hiring centres and to run the custom hiring centre's smoothly they are taking suggestions and advices from Mr. Bijoylal Majumder and utilizing all his experiences.

**3.8 Give details of innovative methodology/technology developed and used for Transfer of Technology during the year****Poly mulching and net staging in bitter gourd cultivation - A story worth to emulate****Name of famers with detail address including mobile no:**

Sri Bipin Chandra Nath

**Village:** East Ganki, **P.O.:** Khowai, **Dist:** Khowai, **PIN:** 799201, Tripura

**Mobile No:** 8575459602

**Age:** 52

**Education level:** Secondary

**Size of land holding:** 1.2 ha

**Background/Introduction:**

Bitter gourd is one of the important cucurbitaceae vegetable crop grown extensively in Tripura. The state has favorable ecological conditions for enough production of bitter gourd but the resource poor farmers are facing serious problems of price fluctuations, inclement weather conditions such as dry spell, moisture shortage, high temperature and solar radiation regimes, glut due to poor storage conditions, biotic and abiotic stresses, scourge of high pest and disease incidence, physiological disorders, all of which affect production. In view of this, some cultural practices such as mulching is used to regulate the soil temperature, moisture content, weeds, pests and diseases control. It is known that plant development and yield increase occur with balance of soil temperature when there are differences between night and day time temperatures, in which mulching plays great role, to increase yields, promote early harvest, reduce fruit defects, reduce evaporation from the soil surface, prevent weed growth, modify soil temperature and reduce insect number, the effectiveness of which depends on the type of mulching materials used. Fertilizer beneath the mulch is not lost by leaching, so that fertilizers are optimally used and not wasted. The soil under plastic mulch remains loose, friable and well-aerated. Roots have access to adequate oxygen and microbial activity is enhanced.

**Methodology:**

Sri Bipin Chandra Nath has initiated bitter gourd cultivation 15 years ago but since then he was facing crop failure due to heavy rain, high weed infestation and installation of bamboo staging to support the climbing nature of the crop which was not so remunerative. From the last five years he has started using plastic mulch to check weed infestation and started using net instead of bamboo as staging material to facilitate the vines to climb, which has reduced the cost of cultivation remarkably. And the newly adopted innovative method (shown in the figures) was successful in many aspects like- non mortality during heavy rain as there was no stagnation of water, the less weed infestation, require 50 % less fertilizer than the conventional method, and reduces the cost of staging material. The greatest benefit he received from plastic mulch was that the soil temperature in the planting bed raised, promoting faster crop development and earlier harvest. Clear plastic advances the harvest date by 15 days. More uniform soil moisture was maintained and irrigation frequency was also reduced. The growth of plants on mulch was twice that of plants in un-mulched soil. He has taken up the ecofriendly way to manage major pest like fruit fly, he uses fruit fly trap and neem oil regularly. Earlier he used to grow marigold, gerbera flowers in his land but after earning a handsome profit from the above mentioned technology he has started cultivating bitter gourd in his own 1.2 ha land and last year he has taken 0.5 ha land on lease basis. He is getting regular technical guidance on nutrient management, pest management from the Krishi Vigyan Kendra, Khowai and KVK scientists are visiting his field regularly to support him.

#### **Output/Impact:**

The gross income (Rs ha<sup>-1</sup>) with the mulched and non mulched crop has been given in Table 1. In the mulched plot the gross income was observed to be 296280.00 whereas in the non mulched plots it was recorded to be 162000.00. The net return (Rs ha<sup>-1</sup>) was high in the mulched plot (231699.00) and low in non mulched plot (118314.00). The benefit-cost ratio was high in the mulched (4.58) then non mulched crop (3.70).

**Table 1. Economics of bitter gourd cultivation with mulch and without mulch**

Parameters	Yield (q/ha)	Gross income (Rs)	Gross Cost (Rs.)	Net return (Rs)	Benefit Cost Ratio (BCR)
With mulch	98.76	296280.00	64581.00	231699.00	4.58
Without mulch	54.00	162000.00	43686.00	118314.00	3.70

This technology has been accepted by many farmers of his village and the technology has spread over 25 ha of land. Many farmers are encouraged by observing the profit from the crop and visiting his plot to know the technical knowhow.

**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	Putting bamboo tips on the periphery of rice field during vegetative stage of the crop to attract birds.	Bio control of insect pest
2.	Rice	Tying of film role in the rice nursery immediately after sowing of seed.	To scare away birds
3.	Vegetable	Keeping pineapple leaves on the nursery bed	To scare away birds
4.	Tomato	Application of ash in tomato	To keep away insect pests
5.	Brinjal	Use of split bamboo in brinjal	To create noise to scare insects
6.	Potato	Colouring of tiny seeds of TPS with vermilion	Proper maintenance of spacing
7.	Paddy	Rat control Trap with bamboo materials	Mechanical control of rodents in field
8.	Paddy	Use of Steal made plates for transplanting of paddy seedling to the main field from paddy nursery.	Careful transportation of seedling to the main field to avoid shock as well as to transplant within 30 minutes of Uprooting.
9.	Paddy	Use of bamboo made sieve for transplanting of paddy seedling to the main field from paddy nursery.	Uprooting of young seedling without any trauma and transplanting in the main field quickly.

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

- Identification of courses for farmers/farm women: PRA
- Rural Youth: PRA
- Extension personnel: Nil

**3.11 Field activities**

- i. Number of villages adopted: 20
- ii. No. of farm families selected: 3000
- iii. No. of survey/PRA conducted: 7

### 3.12. Activities of Soil and Water Testing

Status of establishment of Lab :

1. Year of establishment : 2005- 06

2. List of equipments purchased with amount :

Sl. No	Name of the Equipment			Qty.	Cost
	S&WT lab	Mini lab/ Mridaparikshak	Manufacturer		
1		Mridaparishak	Nagarjuna Agro Chemicals Pvt Limited	2	165300.00
2		Pusa Mini Soil Lab	W.S Telematics Pvt Ltd	1	86000.00
				<b>3</b>	<b>251300.00</b>

### 3. Details of samples analyzed (2019) :

Details	No. of Samples analysed	No. of Farmers	No. of Villages	Amount ( In Rupees) realized
Soil Samples	229	229	13	
Water Samples	-	-	-	-
Plant Samples	-	-	-	-
Petiole Samples	-	-	-	-
<b>Total</b>	<b>229</b>	<b>229</b>	<b>13</b>	-

#### a. Details of Soil Health Cards (SHCs)

b. No. of SHCs prepared: 229

c. No. of farmers to whom SHCs were distributed: 229

d. Name of the Major and Minor nutrients analysed: N,P,K,S,Zn,B,Cu

e. No. of villages covered: 13

### 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Voice only	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-

### 3.14 Contingency planning for

#### a. Crop based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Proposed Measure	Proposed Area (In ha.) to be covered	Number of beneficiaries proposed to be covered		
			General	SC/ST	Total
Drought like situation	Drought resistant variety paddy (Tripura Khora Dhan, Sahabhagi Dhan)	22	18	12	30
	Water saving paddy cultivation (SRI, DSR)	50	32	40	72
	Distribution of drought tolerant paddy (Tripura Khora Dhan, Sahabhagi Dhan) and lentil (Hul 57) seeds	72	50	52	102
	Zero tillage cultivation of rapeseed and mustard	5	10	10	20
	Mulching of bitter gourd	10	0	26	26



#### 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
Drought like situation	Improved Poultry bird in backyard system (250)	1	1	250	0	50	50

#### 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)
TPS production technology	320	90.00	Not practiced	10500/ha
Promotion of HYV of paddy (Naveen)	750	95.00	42000/ha	54000/ha
Promotion of HYV of paddy (Gomoti)	1500	97.00	42000/ha	62400/ha
Promotion of SRI in Paddy	2200	82	54000/ha	74400/ha
Formation and strengthening of S.H.G. : 1. Leadership development among the womenfolk 2. Psychological empowerment of members of S.H.G.	20	25.00	-	-
	50	20.00	-	-
Plant protection measures against major insect pest and diseases of some vegetable crops by giving more emphasis on integrated approach (0.13 ha)	300	10.00	4300/ha	6700/ha
Mushroom and value added production	110	10.00	Not practiced	500.00/month/unit
Composite fish culture (0.13 ha)	150	30.00	4500/ha	7000/ha
Rearing of upgraded pig	120	80	12000/pig	17500/pig
Rearing of upgraded poultry	150	80	420/bird	575/Bird

**NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.**

#### 4.2. Cases of large scale adoption

Sl. No	Crop/Enterpri	Technology	Result Obtained
1.	Elephant foot yam	Production and management technology of Elephant foot yam, var. Gajendra <b>Pit size-45x45x45 cm, Spacing- 90x90 cm, Manure-</b> FYM 2.5 kg/pit as basal, <b>Fertilizer-</b> NPK 40:60:50 kg/ha (half N + full P + ½ K at 30 DAP and remaining N and K at 60 DAP, <b>Straw mulching</b>	Average Yield: 320q/ha and non acid in nature Average height of plant: 1.2, Average no. of off shoots:3 nos/plant, Disease % : 20% (Collar rot and leaf yellowing) B:C-3.12
2.	Tomato	<b>Title of intervention: Weed management in Tomato</b> Tech. options: T <sub>0</sub> : Control + HW at 30 DAT T <sub>2</sub> : Pendimethalin (@ 1.5 lit/ha): 3-5 DAT T <sub>3</sub> : Pendimethalin (@ 1.5 lit/ha): 3-5 DAT + HW 30 DAT	<ol style="list-style-type: none"> <li>30 DAT, WCE is almost equal in T<sub>2</sub> (79.41%) and T<sub>3</sub> (79.53%) But 60 DAT WCE is reduced in case of T<sub>3</sub> to 50.45% and incase of T<sub>2</sub> it is 69.25%.</li> <li>Among all three treatment T<sub>2</sub> is the best and the yield is also high around 20t/ha</li> <li>BC ratio: T<sub>1</sub>: 2.2, T<sub>2</sub>: 3.12, T<sub>3</sub>: 2.73</li> </ol>
3.	Ginger	Cultivation of ginger through Raising Seedling T <sub>1</sub> : Treatment of Rhizome with mancozeb (0.3%) and Quinolphos(0.075%)for 30min Cut the single bud with small piece of rhizome weighing (4g) Treat the single bud sprouts (mancozeb 0.3%, 3g/l of water 30 min) before planting fill the pro trays with nursery (sand, soil, vermicompost @1 :1:1 ) and trichoderma 10 g /kg Plant the ginger bud sprout in pro-trays Seedling will be ready within 30-35 days within transplanting <b>T<sub>2</sub>: Farmers' practice</b>	<b>Technology</b> Average yield: 6.78 t/ha <b>Farmers Practice:</b> Average yield: 6.67 t/ha i.e Yield is at par But requirement of planting material is reduced to 600 kg which is 2000 kg in case of farmers practice. Which make a huge difference in total cultivation cost and ultimately to the net outcome.
4	Paddy	Varietal Evaluation of Paddy Var. Gomoti	Average yield is 75 qt/ha B:C-1.87
5.	Green Gram	Assessment on performance of Green Gram Variety Tripura Mung-1	T <sub>1</sub> (Tripura Mung-1): 1150 Kg/ha T <sub>2</sub> (K-851):600 Kg/ha Other Agronomic characteristic: <ol style="list-style-type: none"> <li>Plant Height: 66 Cm</li> <li>Erect plants with good branching, dark foliage, black coloured pods with green medium bold seed .</li> <li>Maturity: Early Maturity(60 Days)</li> <li>Major Disease incidence: No major disease recorded.</li> <li>Pest damage: Few incidence of Blister beetle was recorded.</li> <li>No of branches:2</li> </ol>

			7. Pod per plant: 33-35 8. Seed per pod: 10-11
5	Groundnut	Assessment of soil acidity amelioration practices in groundnut <b>T1:</b> Furrow application of lime on the basis of lime requirement calculated as per the pH (10 % of actual LR will be followed)+ RD of NPK  <b>T2:</b> Furrow application of lime on the basis of lime requirement calculated as per the pH (10 % of actual LR will be followed)+ FYM 5 t/ha + RD of NPK <b>T3:</b> Farmer's practice	Average yield: T1: 17.28 q/ha ,T2: 23.73 q/ha ,T3: 11.30 q/ha Av. plant height @30 DAS: T1: 15 Cm ,T2: 17 Cm ,T3: 10 Cm Av. plant ht at Harvesting Stage: T1: 2.5 ft ,T2: 3 ft ,T3: 2 ft No of Leaf/plant 30 DAS(nos.): T1: 120 ,T2: 180 ,T3: 37 Number of mature pod/plant during harvesting (nos.): T1: 56, T2: 76, T3:45 Liming along with INM practices, if adopted properly, can lead to more than two-fold increase in ground nut productivity on acidic soils. Post harvest soil analysis also showed improved status of organic C, N, and P in treated plots, but available K status declined—emphasizing the need for close monitoring and appropriate K application in such soils
6.	Mustard	Role of micronutrients (Boron) in increasing yield of oil seed crops and improving soil health. T1: Soil application of boron @ 2 kg/ha  T2: Control	Average yield:T1: 10.1 q/ha, T2: 7.3q/ha <b>Initial Soil status.</b> Soil Texture: Clay Loam, Soil Ph: 5.5, Oxidizable Organic carbon: 0.16 %, Av. N: 307 kg/ha, Av. P: 12.5 kg/ha, Av. K: 113 kg/ha., Av. Boron: 8 ppm <b>Status of soil after treatment</b> Soil Ph: 5.4, O.C: 0.23 %, Av. N: 332 kg/ha, Av. P: 14.7, Av. K: 109 Kg/ha, Av Boron: 11 ppm , Av. Boron: 6 ppm(Check)
7.	Brinjal	Assessment of certain IPM modules against brinjal fruit & shoot borer <b>M1:</b> Mechanical control+Behavioural control <b>M2:</b> Mechanical control+Behavioural control+ Botanicals <b>M3:</b> Farmers' usual practices i.e. 10-15 times application of pesticides <b>M4:</b> Control	Percent fruit damage, Per cent shoot damage M1: % FD: 20.38 , %SD: 12.66 M2: % FD: 19.54, %SD: 10.80 M3: % FD: 15.13, %SD: 9.44 M4: % FD: 35.08 , %SD: 20.63
8.	Cucurbits	Assessment on performance of management of fruit fly in cucurbits <b>T1:</b> Pheromone traps @ 25 trap/ha <b>T2:</b> Gur based poison bait trap: 50 ml malathion + 200 g gur + 2 litre water. <b>T3:</b> Farmer's usual practices i.e. 5-6 times application of pesticides	% Harvested damage T1 HD%: 20 T2: HD%: 60 T3: HD%: 50
9.	Nutritional garden	Year round vegetable production	As per daily requirement of vegetable @ 300g /day/capita, a family member of 4-5 nos. will require 540 kg of vegetable/year. From a nutritional garden having area 0.0256 ha total production of vegetable is 435 kg/year. i.e through this garden a family will be able to meet 80.55% of total vegetable

			requirement,
10	Soakage pit	Soakage pit Soakage pit (Disposal of waste water in design pit (1m X 1m X 1m)	1.10% stagnant water observed around the tube well 2. Due to lack of water stagnant smell was not found 3. No Fly and Mosquito in the operational area
11.	Fishery	Assessment on performance of minor carp ( c. reba) in poly culture system. Stocking of species of IMC and Exotic carp. Catla – 25%, Silver carp – 10%, Rohu – 30%, Grass carp – 5%, Mrigle- 15% and Common carp – 15%. Stocking density 10 000 nos./ ha. Minor carp stocking density 6 250 nos./ ha. T2- Stocking of 6 species of IMC and Exotic carp. Catla – 25%, Silver carp – 10%, Rohu – 30%, Grass carp – 5%, Mrigle- 15% and Common carp – 15%. Stocking density 10 000 nos./ ha. Minor carp stocking density 5000nos./ ha. T3 - Farmers practice without minor carp.	T1 – Production 31.25 qt / ha. Growth rate of (C. reba) 60 – 70 g / yearly. T2- Production 34.0 qt/ ha. Growth rate of (c. reba) 80- 100 g/ yearly. T3 – Production 21.0 qt/ ha.
12.	Fishery	Household pig cum fish farming Initial stocking 10000 nos./ha Periodical stocking 8000 nos./ha Pig 30 nos./ha	Fish production: 30.0q/ha
13.	Fishery	Duck cum fish farming, Breed: IMC Initial stocking 12000 nos./ha Periodical stocking 8000 nos./ha	Fish production: 26.25 q/ha
14.	Fishery	Periphyton based aquaculture, Breed: IMC & Exotic carp	Fish production: 30.41 q/ha
15	Cattle	Strategic supplementation of minerals to cattle <b>T1:</b> Supply of standard mineral mixture along with advisories of standard feeding practice <b>T2:</b> Supply of standard mineral mixture <b>T3:</b> Farmer's Practice: Only traditional feeding	T1: 30 Lit of milk/ Week/Cow , T2: 26 Lit of Milk/ week/cow FP: 15 Lit of Milk/ Week/cow Results of individual parameters. 1. Period and frequency of service for successful conception, Period- T1:13 months, T2: 13 months, T3:FP: 18 months, Frequency of Service-T1: 1, T2:1.5, T3: FP: 2 2. Increase in milk production at weekly interval, T1: 1.49 Lit/week, T2: 1.40 Lit/Wk, T3: Intermittent
16	Duck	Assessment on performance of Duck rearing in Polythene Pond	Technology 1.Mortality %(0), 2.Body wt gain(1.5kg at laying) 3. Hen day egg production (90%) Farmer Practice 1.Mortality %(10) 2.Body wt gain(1.3kg at laying) 3. Hen day egg production (70%)
17	Pig	Creep area with heat source for piglets (Upto weaning period of around 2 months of piglet's age)	Average Yield 10 piglets per sow

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

#### Case 1: Assessment on Impact of cultivating pulses under CFLD towards sustainable Agriculture

Crop1	Area	Production	Cost 1	Cost 3	Cost 4	Cost 5	Cost 5	Cost 6	Cost 7	Cost 8	Total cost	Rate of sale	Income
			Seed	Land prep	Labour	Nutrt Mgt	Inter Cult Operat	Irrg	Disease & IP Mgt	Harvestin g			
2018-9	F Pea	50 q	6.25 k	25 k	12.5 k	18.75 k	18.75 k	6.25 k	6.25 k	12.5 k	106.25 k	Rs. 30	150 k
2018-19	Lentil	700 kg	7.5 k	9 k	8 k	10 k	7.5 k	7.5 k	5 k	8 k	62.5 k	Rs. 100	70 k

BCR

Field Pea: 1.41:1

Lentil: 1.12:1

SL	Particulars	SUSTAINABILITY		
		Eco.	Ecol	Soci
1.	Soil	√		
3.	Seed source	√	√	√
4.	Seed size	√	√	√
5.	Land preparation			
6.	Planting time			
7.	Manures and Fertilizer		√	
8.	Method of planting			
9.	Water Management			
10.	Intercultural operations,			
11.	Plant protection measures	√	√	√
12.	Harvesting	√		
13.	Yield	√	√	√
14.	Seed Production			

**Case 2: Impact of various Governmental schemes implemented by KVK for upliftment of the rural livelihood through farmers clubs**

SI	Schemes	Adop. rate	Problems	Livelihood status
1.	PMFBY	26.65	71.50	15.60
2.	NFSM	85.60	7.20	82.50

**5.0. LINKAGES ESTABLISHED**

**5.1 Functional linkage with different organizations established during**

1. ICAR Research Complex for NEH Region, Tripura centre	Joint implementation
2. College of Agriculture, Tripura	Joint implementation
3. Dept. of Agriculture, Horticulture, ARD Dept. and Dept. of Fisheries, Tripura	Joint implementation
4. College of Fisheries, CAU, Tripura	FAWEP
5. NGOs	Training
6. North East Ruraal Livelihood Project (NERLP), Khowai	Traini9ng
7. CRIDA, Hyderabad	Joint implementation
8. NABARD, Tripura	Joint implementation
9. Other KVKs	Joint implementation



10. NETC Ltd.	Training
11. MANAGE, Hyderabad	Training
12. NIPHM	Training
13. T- SAMETI	Training
14. UGTC, Tripura	Exposure visit

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

Name of the scheme	Activity	Date/ Month of initiation	Funding agency	Amount (Rs.)
IWMP Khowai Batch IV	Entry Point Activities, Capacity Building & Training, Detailed Project Report, Watershed Development Work, Production System & Micro Enterprise, Livelihood for asset less persons	2012-13	State Level Nodal Agency, IWMP, Department of Agriculture, Govt. of Tripura	18,00,000
NICRA	Climate Resilient Technology Demonstration on NRM, Crop Production, Farm livestock etc. and Capacity building	2010-11	CRIDA, ICAR	7,73,250.00
NFSM	Demonstration,, Training, Monitoring, Field Day.	2016-17	Dept. of Agri, Govt. of Tripura	14,11,415.00
FLD on Pulse	Demonstration,, Training, Monitoring, Field Day.	2017-18	ICAR	3,18,600.00
FLD Oilseed (NMOOP)	Demonstration,, Training, Monitoring, Field Day.	2017-18	ICAR	-
CSR	Skill Development training and Demonstration	2017-18	NETC	93,7500.00
PKVY	Demonstration,, Training, Monitoring, Field Day.	2019-20	ICAR	3,30,000.00
NARI	Demonstration,, Training, Monitoring, Field Day.	-	ICAR	50,000.00

### 5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district: **Yes**

Sl. No.	Programme	Nature of linkage	Remarks
		<b>Conducting training and demonstration</b>	
1.	Field Demonstration on ginger cultivation through raising seeding	Joint Implementation	Nil

### 5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any
	Nil	Nil	Nil

### 5.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks
Nil	Nil	Nil	Nil

## 6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING

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

Sl. No.	Demo Unit (Name and No.)	Year of estd.	Area	Details of production			Amount (Rs.)		Remarks
				Variety/ species/ breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Stock pond	1978	0.12 ha	IMC& Exotic carp	Table fish	445.45 kg	21434.00	72953.00	-
2	Stock pond for yearlings	1975	0.06 ha	IMC& Exotic carp	Table fish	193.35 Kg	18134.00	28817.00	-
3	Stock pond	1991	0.40 ha	IMC& Exotic carp	Table fish	787 kg	70460.00	137725.00	-
4.	Rearing pond	1982	0.08 ha	IMC& Exotic carp	Table fish	189.2 kg	13948.00	19184.00	-
5	Nursery pond	1984	0.04 ha	IMC& Exotic carp	Fry and fingerlings	22000 nos.	5061.00	17600.00	-
6	Poultry	1982, 1993, 2003	584 sq.m	Broiler, Kroiler, Kroiler, Tripura Black, Layer,	Live, Live, Chicks	9734.7 kg , 2285.3 kg, 3977nos.,	1884935.00	2001280.00	-

7	Dairy	2003	50 sq.m	Jersey cross	Milk , Cow	1117.5 litre	25833.00	61487.00	-
8	Piggery	1992, 2002	779.9 sq.m	LWYSXLR	Piglet,  Culled White  Culled Boar	2346.5 kg  2 nos.  1 nos.	887911.00	897670.00	-



Lentil	-	-	-	-	-	-	-	-	-
Cowpea	14.10.2019	10.12.19	0.002	Kashikanchan	Table	9.35 Kg	250.00	374.00	
Ay other									
Dhaincha	8.4.19	27.10.19	0.2	Local	Seed	130 Kg	6500.00	13000.00	
<b>Oilseeds</b>									
Sesame	10.4.19	1.7.19	0.004	Tripura Siphing	Seed	10 Kg	700.00	1000.00	
Mustard	-	-	-	-	-	-	-	-	-
Soy bean	-	-	-	-	-	-	-	-	-
Groundnut	-	-	-	-	-	-	-	-	-
Any other	-	-	-	-	-	-	-	-	-
<b>Fibers</b>									
i.	-	-	-	-	-	-	-	-	-
ii.	-	-	-	-	-	-	-	-	-
<b>Spices &amp; Plantation crops</b>									
i. Ginger	21.5.19	19.12.19	0.048	Nadia	Seed	105 Kg	6000.00	8400.00	
ii. Chilli	5.11.19	9.3.20	0.016	VNR 377	Table	25.8 Kg	2000.00	1200.00	Standing crop

iii.	Coconut	20.6.1979	Through out the year	0.48	Kanchanpuri, West Coast	Seed / Table	1293 pc	7000.00	12074.00	
<b>Floriculture</b>										
i.	Marigold –cut flowers	29.4.19	21.6.19	0.064	Bhangor	Table	41334 Pc	8500.00	14200.00	
ii.	-	-	-	-	-	-	-	-	-	-
<b>Fruits</b>										
i.	Banana	15.10.16	Through out the year	0.024	Sapri , G 9	Table	1300 pc	1000.00	1700.00	
ii.	Litchi	1979, 1986	8.5.19	0.08	Bombay	Table	28000 pc	3500.00	7100.00	
iii.	Mango	1986, 2014	7.5.19	0.32	Amrapali , Himsagar	Table	330 Kg	5000.00	9400.00	
iv.	Sweet orange	5.2.2013	2.7.19	0.04	Nagpuri Santra, Valencia	Table	1276 pc	1000.00	1520.00	
v.	Wood apple	20.4.1978	8.5.19	0.008	Local	Table	250 pc	100.00	250.00	
vi.	Pamelo	25.4.1986	5.10.19	0.008	Local	Table	100 pc	100.00	300.00	
<b>Vegetables</b>										
i.	Papaya	3.5.18	Through	0.04	RCTP 8	Table	4531	15000.	39426.0	

		out the year			e	Kg	00	0		
ii.	TPS tuberlet	19.11.18	15.3.19	0.144	HPS II/67	Seed	1250 Kg	45000. 00	80000.00	
iii.	TPS tuberlet	24.11.1 9	11.3.20	0.104	HPS II/67	Seed	600 Kg	35000. 00	-	In stock
iv.	Brinjal	31.5.19, 19.7.19	8.8.19	0.012	Bhangor Giant	Tabl e	71.45 Kg	1500.0 0	2260.00	Standing crop
v.	Tomato	9.11.19	18.1.20	0.012	Trishul , TO 1458 ,Bidisha , Mahima	Tabl e	90 Kg	1500.0 0	1800.00	Standing crop
v .	Capscium	28.10.1 9	5.1.20	0.002 6	Indra	Tabl e	8 Kg	500.00	600.00	Standing crop
vi.	Radish	10.8.19	22.10.19	0.012	Chetki	Tabl e	50 kg	500.00	800.00	
vii.	Cauliflower	21.10.1 9	24.12.19	0.002 6	White Marble, Snow Pearl	Tabl e	15.4 Kg	300.00	430.00	
viii.	Cabbage	6.11.19	21.1.19	0.02	Rare Ball	Tabl e	20 Kg	300.00	400.00	
ix.	Lettuce	14.10.1 9	23.12.19	0.02	NS 10353, NS 11485	Tabl e	15 Kg	350.00	450.00	
x.	Iceberg	6.11.19	29.12.19	0.02	NS 1451	Tabl e	10.2 Kg	200.00	325.00	



xi.	Drumstick	10.6.13	9.3.20	0.08	Local	Table	85.3 Kg	2000.00	7290.00	
xii.	Chinese cabbage	6.11.19	5.1.20	0.04	Tropic prince	Table	82.5 Kg	700.00	1060.00	
xiii.	Broccoli	9.11.19	8.1.20	0.08	Besty	Table	26 Kg	1000.00	1450.00	
xiv.	Red cabbage	28.10.19	21.1.20	0.02	Red Jewel	Table	24 Kg	200.00	350.00	
xv.	Okra	5.4.19	13.5.19	0.06	BND 777	Table	32 Kg	1500.00	1990.00	
xvi.	French bean	21.10.19	24.12.19	0.02	Katrina	Table	10.5 Kg	100.00	230.00	
xvii.	Knol khol	6.11.19	13.12.19	0.02	Jambo 10, Spin Top	Table	14 Kg	200.00	360.00	
xviii.	Ridge gourd	10.4.19	8.8.19	0.08	NS 3	Table	15 Kg	500.00	700.00	
xix.	Zucchini	16.10.19	13.12.19	0.02	NS 9886	Table	9.5 Kg	200.00	300.00	
xx.	Sponge gourd	8.4.19	29.7.19	0.08	NS 445	Table	26.5 Kg	600.00	860.00	
xxi.	Long bean	8.4.19	28.5.19	0.012	NS 634	Table	17 Kg	500.00	750.00	
xxii.	Colocasia	17.4.19	5.11.19	0.004	Muktakeshi	Seed	50 Kg	1500.00	2400.00	
<b>a. Others</b>										

(specify)									
i.	-	-	-	-	-	-	-	-	-
ii.	-	-	-	-	-	-	-	-	-
iii.	-	-	-	-	-	-	-	-	-

### 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	
Nil	Nil	Nil	Nil	Nil	Nil

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed/ species	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Broiler	Commercial	Table bird	9734.7 kg	1884935.00	2001280.00	Nil
	Kroiler/ T.Black/	Commercial	Chicks	3977			Nil
	Do	Commercial	Live wt	2285.3 kg			Nil
	Layer	Standard Line	Chicks			Nil	
	Do	Do	Live wt			Nil	
	Piglets	LWY	Piglet	1012846.5 kg	887911.00	897670.00	Nil
	Culled Sow	Do	Do Culled Milk	2 nos.			Nil
	Culled Boar	Do	Do Culled Boar	1 nos.			Nil
	Calf	Jersey X	Live animal, Milk	1117.55 liter	25833.00	61487.00	Nil
Cow	Do	Cull Cow	1 nos.	Nil			

## 6.5 Rainwater Harvesting

### Training programmes conducted by using Rainwater Harvesting Unit/ structure

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST		
				Male	Female	Total
27.05.2019	Hand Hold training on Soil Testing	PF	1	59	39	98
04.09.2019	Cultivation practice of Bitter gourd with paddy straw mulching	PF	1	13	5	19
04.09.2019	Duck cum fish farming with horticultural crops	PF	1	13	5	19

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

**Accommodation available (No. of beds): 40**

<b>Months</b>	<b>Title of the training course/Purpose of stay</b>	<b>Duration of Training</b>	<b>No. of trainees stayed</b>	<b>Trainee days (days stayed)</b>	<b>Reason for short fall (if any)</b>
January, 2019	Preparation of vermin compost as a source of income generation	7 <sup>th</sup> -11 <sup>th</sup> January, 2019	33	5	Nil
February, 2019	Tailoring and stitching	18 <sup>th</sup> -28 <sup>th</sup> February, 2019	19	11	Nil
March, 2019	Preparation of Panchagavya	12 <sup>th</sup> March, 2019	14	1	Nil
March, 2019	Mushroom production technology	18 <sup>th</sup> -24 <sup>th</sup> March, 2019	20	6	Nil
March, 2019	Pig rearing and management	25 <sup>th</sup> -30 <sup>th</sup> March, 2019	15	6	Nil
May, 2019	POP on Piggery	6 <sup>th</sup> to 8 <sup>th</sup> May, 2019	22	3	Nil
May, 2019	POP on Piggery	13 <sup>th</sup> to 16 <sup>th</sup> May, 2019	7	4	Nil
May, 2019	Training on IPM in Vegetables	13 <sup>th</sup> to 17 <sup>th</sup> May, 2019	15	5	Nil
September, 2019	Training on high value floriculture	16 <sup>th</sup> to 21 <sup>st</sup> September, 2019	13	6	Nil
September, 2019	Orientation programme on Rural Entrepreneurship Awareness Development Yojana (READY)	7 <sup>th</sup> September to 3 <sup>rd</sup> October, 2019	19	30	Nil

October, 2019	Skill training on value addition and processing of tuber crops	30 <sup>th</sup> October to 1 <sup>st</sup> November, 2019	33	3	Nil
November, 2019	Skill training on Rural Youth	4 <sup>th</sup> to 9 <sup>th</sup> November, 2019	22	6	Nil
November, 2019	Skill training on Preparation of Vermicompost and its utilization in Agriculture and Horticulture	1 <sup>st</sup> to 19 <sup>th</sup> November, 2019	22	19	Nil
November, 2019	Skill training on for Rural Youth	11 <sup>th</sup> to 16 <sup>th</sup> November, 2019	15	6	Nil
November, 2019	Skill training on Weaving and Handloom	10 <sup>th</sup> to 20 <sup>th</sup> November, 2019	22	11	Nil

**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
Sri Ramakrishna Seva Kendra Unit DKVK	State Bank of India,	Khowai	38096287514
Sr. Scientist and Head	State Bank of India,	Khowai	36526709161
Sri Ramakrishna Seva Kendra Unit DKVK	State Bank of India,	Khowai	38096267348

**7.2 Utilization of funds under CFLD on Oilseeds and Pulses(Rs. In Lakhs) if applicable during**

Item	Released by ICAR/ATARI (in lakh)		Expenditure (in lakh)		Unspent balance as on 31 <sup>st</sup> March, 2018
	Amount (Pulses)	Amount (Oilseeds)	Amount (Pulses)	Amount (Oilseeds)	
Inputs	1,16,100.00	90,000.00	2,70,000.00	1,20,000.00	
Extension activities					-1,53,900.00
TA/DA/POL etc.					-30,000.00
<b>TOTAL</b>	<b>1,16,100.00</b>	<b>90,000.00</b>	<b>2,70,000.00</b>	<b>1,20,000.00</b>	<b>-183,900.00</b>

**7.3 Utilization of KVK funds during the year**

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
<b>A. Recurring Contingencies</b>				
1	<b>Pay &amp; Allowances</b>			175.01
2	<b>Traveling allowances</b>			2.46
3	<b>Contingencies</b>			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			8.23

<i>B</i>	POL, repair of vehicles, tractor and equipment			1.74
<i>C</i>	Meals/refreshment for trainees			0.95
<i>D</i>	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			0.21
<i>E</i>	Frontline demonstration except oilseeds and pulses			0.78
<i>F</i>	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			0.24
<i>G</i>	Training of extension functionaries			0.42
<i>H</i>	Maintenance of buildings			0.62
<i>I</i>	Establishment of Soil, Plant & Water Testing Laboratory			-
<i>J</i>	Library			0.25
4	HRD			1.22
<b>TOTAL (A)</b>				<b>192.13</b>
<b>B. Non-Recurring Contingencies</b>				
1	<b>Works</b>			-
2	<b>Equipments including SWTL &amp; Furniture</b>			-
3	<b>Vehicle</b> (Four wheeler, please specify)			-
4	<b>Library</b> (Purchase of assets like books & journals)			-
<b>TOTAL (B)</b>				<b>-</b>

<b>C. REVOLVING FUND</b>			-
<b>GRAND TOTAL (A+B+C)</b>			<b>192.13</b>

#### 7.4 Status of Revolving Fund (Rs. in lakhs) for last three years

Year	Opening balance as on 1 <sup>st</sup> April	Income during the year	Expenditure during the year	Net balance with KVK (in lakh)
April 2017 to March 2018	0.45	40.17	35.98	4.19
April 2018 to March 2019	4.19	43.34	43.05	4.48
April, 2019 to March 2020	4.48	44.39	45.25	3.62

**Note: No KVK must leave this table blank**

**8.0 Please include information which has not been reflected above.**

**8.1 Constraints and Suggestion (Provide point-wise if any, for recommendation)**

(a) Financial: For mobility of trainees 25 seated bus should be provided for the KVK, provision for permanent labour, problem of ICT and electricity, administrative and faculty buildings need to be updated as per ICAR norms, staff quarters is to be allotted as per ICAR norms

(b) Technical: Require technical staff (Lab Assistant)



