PROFORMA FOR ANNUAL REPORT OF KVKS, 2018-19

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Jaintia Hills Government of Meghalaya, Directorate of Agriculture, P.O. Rymphum, Jowai District-Jaintia Hills Meghalaya- 793150	0365-222-3343	0365-222-3343	kvkjaintiahills@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Director of Agriculture, Lower Cleve Colony, District-East Khasi Hills Meghalaya Pin-793003	0364-2223228(DA) 0364-2227434(DH)	0364-2223228(DA) 0364-2227434(DH)	agri-meg@nic.in hort-meg@nic.in

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

Name	Telephone / Contact		Email
	Residence	Mobile	
Shri Dodo Paweth	Shillong	8731082414	kvkjaintiahills@gmail.com

1.4. Year of sanction: 2010

1.5. Staff Position **(As on 31st March, 2019)**

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	Sr. Scientist & Head	Shri Dodo Pasweth	ADO i/c PC	Seed Science & Technology	-	-	1st February 2019	-	ST
2	Subject Matter Specialist	Smti. R W Rangad	SMS	Plant Protection	21000-39100	24,344	2nd July 2012	Permanent	ST
3	Subject Matter Specialist	Smti. B Kharbamon	SMS	Horticulture	21000-39100	24,344	2nd July 2012	Permanent	ST
4	Subject Matter Specialist	Smti. R Lyngdoh	SMS	Agronomy	21000-39100	24,344	2nd July 2012	Permanent	ST
5	Subject Matter Specialist	Smti.J.K.Marak	SMS	Fisheries	21000-39100	23,635	16th May 2013	Permanent	ST
6	Subject Matter Specialist	Shri Rimiki Suchiang	SMS	AH& Vet.	21000-39100	23,635	19th December 2018	Permanent	ST
7	Subject Matter Specialist	Smt.Genialda Nongtdu	SMS	Agril.Extension	21000-39100	23,635	20th December 2018	Permanent	ST
8	Farm Manager	Shri. M Kharbuli	Farm Manager	Agricuture	13500-34800	15,651	2nd July 2012	Permanent	ST
9	Programme Assistant(Technical)	Smti. D.Lyngdoh	Programme Assistant	Agricuture	13500-34800	15,195	1st May 2013	Permanent	ST
10	Programme Assistant(Computer)	Smti. S. Pohthmi	Programme Assistant	Computer	13500-34800	15,195	1st May 2013	Permanent	ST
11	Computer Programmer	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
12	Accountant /	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

	Superintendent								
13	Stenographer	SmtiWanbhahki Phawa	Nil	Stenographer	7600-20200	7600	1st Dec 2017	Contractual	ST
14	Driver	Shri. K Passah	Nil	Driver	7200-20200	7200	1st Dec 2017	Contractual	ST
15	Driver	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
16	Supporting staff	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
12	Supporting staff	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	Total	**14**	Nil	Nil	Nil	Nil	Nil	Nil	Nil

Note: No column in the table must be left blank

1.6. a. Total land with KVK (in ha) :**10.5 ha**
b. Total cultivable land with KVK (in ha): Nil

c. Total cultivated land (in ha):

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

1.7. Infrastructural Development: Nil

A) Buildings

Sl. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2.	Farmers Hostel	Nil	Nil	Nil	Nil	Nil	Nil	Nil
3.	Staff Quarters (6)	Nil	Nil	Nil	Nil	Nil	Nil	Nil
4.	Demonstration Units (2)	Nil	Nil	Nil	Nil	Nil	Nil	Nil
5	Fencing	Nil	Nil	Nil	Nil	Nil	Nil	Nil
6	Any Other (Pl. specify)	Nil	Nil	Nil	Nil	Nil	Nil	Nil

B) Vehicles

Type of vehicle	Regd. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero	ML 05H- 5047	2011	6 lakh	952244	Good condition

C) Equipments & AV Aids

Sl. No.	Name of the equipment	Year of purchase	Cost (Rs.)	Present status
1	BenQ Projector Model No MS502P Serial No-PDM 8C04375000	March, 2013	25000	Good condition
2	EB-U 32 Projector	March, 2016	1,00,000.00	

	LCD Projector Screen Mounting Kit VGA Cable Laser Pointer Ball Extension Plug Stabilizer/UPS			
3	Amplifier TZA-1500 DP Speaker SRX-120 DX Speaker stand STA 100 Microphone SHM-1000XLR Microphone stand BMS 101 Gooseneck Microphone Gm 601LM GMB 6C Base Wireless Microphne AWM 520V2 IBALL Rocky Headphone Speaker wire Stabilizer	March, 2016	50,000.00	
4	Mahindra Tractor 275NBPLT of 39HP 4.5 MT wheel Trailer body Drawber Frame with Pintel Hook for hitching Rotary Tiller Model No. R2/100 Multipurpose Leveller Model No. L 6”	March, 2017	10,000,00.00	
5	Honda Portable Gen Set Model: EP 1000	March 2019	30,000.00	

1.8. A). Details SAC meeting* conducted on the 25th January, 2019

Sl. No.	Name and Designation of Participants		Salient Recommendations	Action taken on last SAC recommendation
1.	Shri .R.Langstieh	Director of Agriculture (R&T)	The chairman requested that documentation on any technologies must be shared with other districts to achieve a successful share of the new interventions. The chairman requested all the concerned officials to encourage mushroom growers to attend trainings related to the cultivation of button mushroom, production of spawns and marketing of mushroom. Shri G. Kharbuli (DDM, NABARD) requested KVK, Jaintia Hills to identify different locations and provide justification and outcomes of the different technologies being introduced in farmer's field. The members suggested that there must be an evaluation study on ginger and paddy. They also suggested that demonstration on the storage of ginger must be taken up as the incidence of soft rot is a major problem during storage.	• Sowing of cold tolerant pea (*Arka priya*): **Non-availability of seeds** • Management of semi lopper and lepidopteron pests of potato using NPV: **Incorporated** • Soil testing before liming: **Completed** • Training on management of soft wood grafted plants in Khasi mandarin: **Completed** • Awareness programme and promotion on the use Jeevanamrit and Panchkavya: **Completed** • Training intensification among farmers for vegetable cultivation: **Completed** • Technical assistance in the
2.	Smt.B.Majaw	District Horticulture Officer, Jowai		
3.	Smt.B.Nongbri	Research Officer, Jowai		
4.	Smt.E.M.Suchiang	District Agriculture Officer, Khliehriat		
5.	Smt.N.Laloo	Divisional Forest Officer, Jowai		
6.	Dr.L.D.Slong	AH& Veterinary Officer		
7.	Shri.L.Lakiang	Project Director,ATMA,Jowai		
8.	Smt.M.J.Shylla	Project Director,ATMA, Khliehriat		
9.	Shri.S.R.Mulieh	H.D.O (Hqr.),Khliehriat		
10	Shri.B.Shylla	Junior Engineer, E.E (WR), Jowai		
11.	Shri.L. Pohktai	Sr .A.S.K.W.C.O (T) Division, Jowai		
12.	Shri.P.D.Passah	DPM (MGNREGA),DRDA		
13	Shri.G.N.Kharlukhi	DDM, NABARD, Jowai		
14.	Shri.Hamklof Suchiang	ACF(T), Territorial Division, Jowai		
15.	Shri.S.K.Pale	DSWCO, Plantation Crops, Jowai		
16.	Shri.N.S.Wahlang	Assistant Registrar of Cooperative Societies, Jowai		
17.	Shri. Mendon J Dkhar	D.P.D ATMA, WJHD		
18.	Smt.Solin Suting	Farmer (Wahiajer village)		
19	Shri.Wompher.Suting	Farmer (Sohphoh village)		

			Smt.E.M.Suchiang(DAO,Khliehriat) suggested the introduction of low cost storage house for ginger by using sand and straw and housed with mud with proper ventilation and this method of storage was found to be 60-70% successful. Smt E.M.Suchiang (DAO Khliehriat) suggested the SMS to take up study on controlling winter harvest of peach during *rabi* season and increase the yield during *kharif* season. The chairman said that training cum demonstration is a must and all the respective departments should collaborate and cooperate with each other.	management of soft rot in ginger and citrus in Khliehriat : **Completed in the month of February, 2019** • Assistance of the Soil & Water Conservation Department, Water Resource with regard to the water harvesting structures so as to increase the acreage of winter vegetable cultivation in the district: **To be collaborated**

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

Proceedings of the meeting of the Scientific Advisory Committee (SAC) held on the 25th January 2019 at 11:00am at Circuit House, Jowai

Members present:

Sl No.	Name	Designation	Phone No.	Signature
1.	Shri .R.Langstieh	Director of Agriculture (R&T)	9485175536	Sd/-
2.	Smt.B.Majaw	District Horticulture Officer, Jowai	8415921233	Sd/
3.	Smt.B.Nongbri	Research Officer, Jowai	8787734958	Sd/
4.	Smt.E.M.Suchiang	District Agriculture Officer, Khliehriat	9615915395	Sd/
5.	Smt.N.Laloo	Divisional Forest Officer, Jowai	9436999122	Sd/
6.	Dr.L.D.Slong	AH& Veterinary Officer	9436105484	Sd/
7.	Smt.L.Lakiang	Project Director,ATMA,Jowai	9436102738	Sd/
8.	Smt.M.J.Shylla	Project Director,ATMA, Khliehriat	9862668020	Sd/
9.	Shri.S.R.Mulieh	H.D.O (Hqr.),Khliehriat	7005082267	Sd/
10.	Shri.B.Shylla	Junior Engineer, E.E (WR), Jowai	9436310282	Sd/
11.	Shri.L. Pohktai	Sr .A.S.K.W.C.O (T) Division, Jowai	9862103669	Sd/
12.	Shri.P.D.Passah	DPM (MGNREGA),DRDA	7005172045	Sd/

13.	Shri.G.N.Kharlukhi	DDM,NABARD,Jowai	9920660149	Sd/
14.	Shri.Hamklof Suchiang	ACF(T), Territorial Division, Jowai	9485104803	Sd/
15.	Shri.S.K.Pale	DSWCO, Plantation Crops, Jowai	8794204810	Sd/
16.	Shri.N.S.Wahlang	Assistant Registrar of Cooperative Societies, Jowai	9863103735	Sd/
17.	Shri. Mendon J Dkhar	D.P.D ATMA, WJHD	9774762867	Sd/
18.	Smt.Solin Suting	Farmer (Wahiajer village)	9774854801	Sd/
19.	Shri.Wompher.Suting	Farmer (Sohphoh village)	813003503	Sd/

The meeting was chaired by Shri R Langstieh, Director of Agriculture (Research &Training), Govt.of Meghalaya. At the outset, the chairman welcomed all members present and expressed his gratitude to all the members for their cooperation and sparing their valuable time to attend the meeting.

The welcome address was presented by Smt. B. Majaw (District Horticuture Officer, West Jaintia Hills). In her inaugural remarks, Smt. Majaw emphasized the role of KVK and the importance of the Scientific Advisory Committee (SAC). She said that the SAC was to review the activities and progress of the various interventions or technologies carried out by the SMS in farmer's field. She also said that KVK is involved in identifying the problems and provide training to farmers.

The Chairman requested Smt. R. Rangad (SMS, Plant Protection), KVK Jaintia Hills to present the Annual Progress Report (2018-19) followed by the presentation of the Annual Action Plan (2019-20) by Smt. G. Nongtdu (SMS, Agril.Extension).

During the presentation of the Annual Progress Report (2018-19), the following points were raised:

Shri A. Lamare (Divisional Soil & Water Conservation, Territorial) , West Jaintia Hills District, requested KVK, Jaintia Hills to collaborate with the department in various aspects for conserving soil & water in farmer's field. He also said that assistance can be provided to the farmers by providing free resources and the area for constructing water harvesting structures can be expanded up to 20 ha of land.

Shri G. Kharbuli (DDM, NABARD) requested KVK, Jaintia Hills to identify different locations and provide justification and outcomes of the different technologies being introduced in farmer's field. He also said that NABARD is willing to provide financial support to KVK, Jaintia Hills for various schemes/projects through Rural Innovative Fund (RIF) and requested KVK, Jaintia Hills to make a project proposal if the projects/schemes are to be undertaken.

While presenting the achievements of On Farm Testing (OFT)-Agronomy, Smt. B. Majaw asked about the performance of groundnut (var.ICGS-76). Smt.E.M.Suchiang (DAO Khliehriat) asked about the performance of rice var.CAU-R1 and from where the seeds were collected. The SMS replied that CAU-R1 gave higher yield as compared to the local varieties and the seeds were purchased from CAU Imphal.

The DDM (NABARD) , asked whether the documentation on the production technologies of CAU-R1 has been done or not. The SMS replied that upto date no such documentation has been done.

The DDM (NABARD), also requested KVK, Jaintia Hills to take up proper study and impact assessment of the new technologies under the Research & Development fund from NABARD.

The chairman requested that documentation on any technologies must be shared with other districts to achieve a successful share of the new interventions.

Under On Farm Testing (OFT)-Horticulture, Smt E.M.Suchiang (DAO, Khliehriat) asked from where the seedlings of peach var. Pratap, Flordarsun were purchased and whether it was a released variety. Smt.R.Rangad replied that the seedlings were purchased from ICAR RC for NEH Region, Umiam and it was a released variety.

Smt. M. Shylla (Project Director, ATMA, East Jaintia Hills) asked whether the fruit was a low chilling variety and whether the saplings were grafted. The SMS replied that the variety was low chilling and grafting has been performed.

The chairman inquired about the percentage of infestation in Peach due to fruit flies to which the SMS replied a total of 35% infestation had occurred as compared to 85 % in farmer’s field.

While presenting the achievements of Front Line Demonstration (FLD)-Agronomy, the chairman asked whether documentation on the success story of Paddy cum fish farming has been done or not. The SMS replied that the technology was found to be beneficial for farmers and no such documentation had been done and will try to document in future. The chairman also requested Project Directors of ATMA to take up paddy cum fish farming as this technology was found to be beneficial for farmers.

While presenting the achievements of Front Line Demonstration (FLD)-Horticulture, it was found that the technology of vegetable cropping system was being introduced in only a few villages. The chairman requested to introduce the technology in other villages as well and to take up villages in East Jaintia Hills, particularly in Khliehriat.

While presenting Front Line Demonstration (FLD)-Plant Protection, Smt. B.Majaw asked about the scientific beekeeping and how the farmers received assistance for this technology. The SMS replied that the farmers were given assistance by distributing bee boxes and accessories free of cost and by providing Vocational training cum demonstration to the farmers.

The DDM, NABARD asked Smt. B.Majaw DHO, WJHD about Mission Beekeeping and whether any assistance was given to the farmers regarding beekeeping through this mission. Smt. B.Majaw replied that the horticulture department is concerned mostly in pollination and regarding assistance to farmers she replied that bee boxes and other accessories are also distributed.

The chairman asked SMS, Plant Protection why only oyster mushroom cultivation has been taken up and not button mushroom. The SMS replied that button mushroom requires a temperature of 15-20 degree C and it was suitable only for the seasonal cultivation.

The chairman requested all the concerned officials related to this field to encourage mushroom growers to attend trainings related to the cultivation of button mushroom, production of spawns and marketing of mushroom.

During the presentation of the Annual Action Plan (2019-20), the following points were raised:

On presenting the Annual Action Plan of Animal Husbandry & Veterinary, the members asked about the Innovative egg laying cabin and what are the merits of introducing this technology and the construction of the cabin. The SMS replied that the technology was invented by a farmer from East Khasi Hills District and has received a national award. In respect to this, the Director of ATARI has requested SMS, Animal Husbandry & Veterinary to take up the technology in farmer's field.

The members suggested that there must be an evaluation study on ginger and paddy. They also suggested that demonstration on the storage of ginger must be taken up as the incidence of soft rot is a major problem during storage. The SMS replied that demonstration on soft rot of ginger in storage has been taken up under NICRA project. She also said that most of the farmers harvest the mother rhizomes as they were able to fetch a higher price when selling them and this pose a major problem as microorganisms attacks the rhizomes.

Smt E.M.Suchiang (DAO, Khliehriat) suggested the introduction of low cost storage house for ginger by using sand and straw and housed with mud with proper ventilation and this method of storage was found to be 60-70% successful. She also said that the 2-eyed bud technology can be introduced in farmer's field as through this technology harvesting of mother rhizome can be prevented.

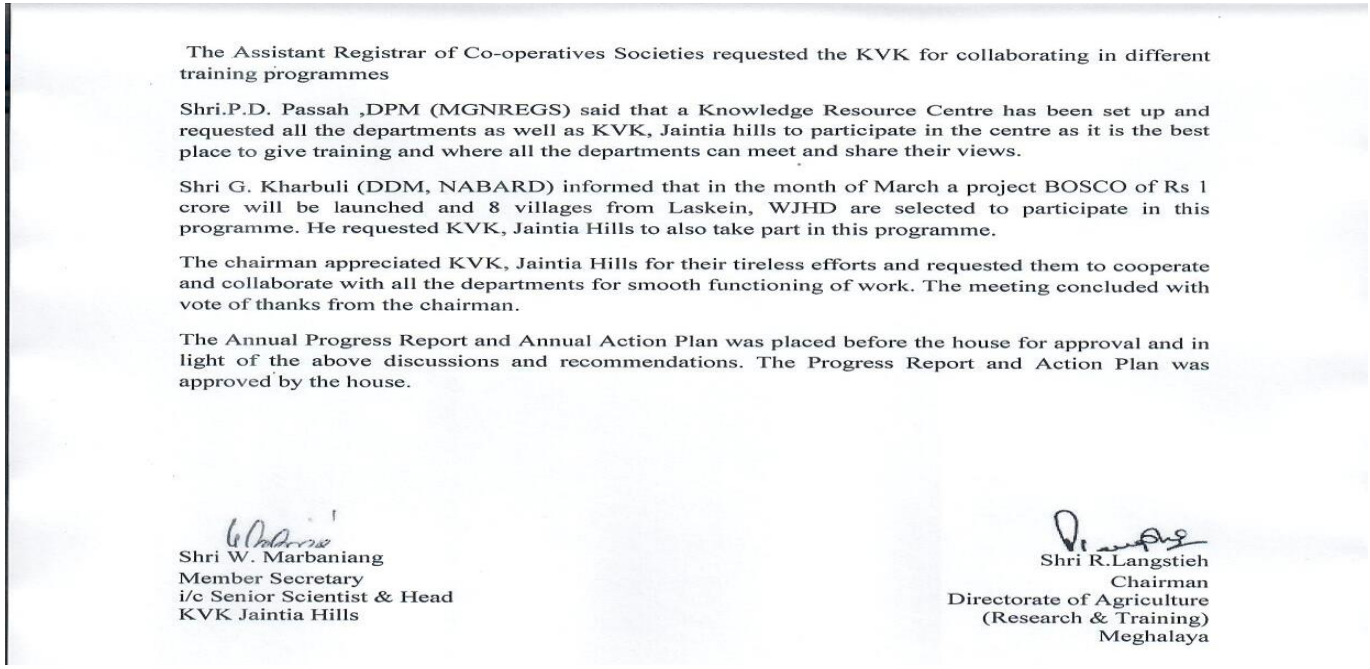
The members suggested SMS, Horticulture to take up study on the quality of pineapple

Smt E.M.Suchiang (DAO Khliehriat) also said that *kharif* pineapple is sweet in taste however *rabi* pineapple is sour in taste. Therefore, she suggested the SMS to take up study on controlling winter harvest during *rabi* season and increase the yield during *kharif* season. She also requested the SMS to take up villages in East Jaintia Hills and to encourage the farmers to promote pineapple cultivation in the district. She also promised to provide assistance to the SMS for taking up pineapple cultivation in Khliehriat.

The chairman said that training cum demonstration is a must and all the respective departments should collaborate and cooperate with each other.

Smt E.M.Suchiang (DAO Khliehriat) asked the how the plant samples were analyzed. The SMS replied that analyzing of plant samples is conducted through diagnostic visit in farmer's field as at present there is no laboratory for analysis. She also replied that soil samples are collected by the KVK and sent to research office, Jowai for analysis.

The chairman suggested to take up research on spawn production and requested PD, ATMA Khliehriat to depute 2 staff and 1 staff from ATMA Jowai together with the Research office, Jowai to provide training on the production of spawn for the benefit of the farming community



The Assistant Registrar of Co-operatives Societies requested the KVK for collaborating in different training programmes

Shri.P.D. Passah ,DPM (MGNREGS) said that a Knowledge Resource Centre has been set up and requested all the departments as well as KVK, Jaintia hills to participate in the centre as it is the best place to give training and where all the departments can meet and share their views.

Shri G. Kharbuli (DDM, NABARD) informed that in the month of March a project BOSCO of Rs 1 crore will be launched and 8 villages from Laskein, WJHD are selected to participate in this programme. He requested KVK, Jaintia Hills to also take part in this programme.

The chairman appreciated KVK, Jaintia Hills for their tireless efforts and requested them to cooperate and collaborate with all the departments for smooth functioning of work. The meeting concluded with vote of thanks from the chairman.

The Annual Progress Report and Annual Action Plan was placed before the house for approval and in light of the above discussions and recommendations. The Progress Report and Action Plan was approved by the house.

Shri W. Marbaniang
Member Secretary
i/c Senior Scientist & Head
KVK Jaintia Hills

Shri R.Langstieh
Chairman
Directorate of Agriculture
(Research & Training)
Meghalaya

2. DETAILS OF DISTRICT

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

Sl. No	Farming system/enterprises
1.	Farming system/enterprises
2.	Farming system/enterprises
3.	Agri + Hort +AH +Fishery
4.	Agri + Hort +AH +Seri

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

Sl. No	Agro-climatic Zone	Characteristics
1.	Temperate and sub-alpine zone	This Zone confined in the Central plateau of the District in an area around Jowai, part of Thadlaskein Block. Climate: The rainfall in this Zone is around 2800 - 6000mm which is well distributed. It is Humid and moderately warm and severe winter. The dominant geographic unit is upper and middle plateau. Cropping pattern: The main crops grown in this zone are paddy, potato. Vegetables like Tomato, bean, radish, carrot is also grown wherever irrigation facility is available.
2.	Sub Tropical Hill Zone	This zone spread over the Northern Part of the District. i.e. (Laskein, and part of Thadlaskein,) are under this Zone. Climate : The average rainfall of this zone ranges from 1270- 2032 mm received in 150 days, about 70-80 % of annual rainfall is received during Monsoon period(June –September. The Maximum temperature of this Zone goes up to 20-27 ^{0} C during April-May while minimum temperature is 6-9 ^{0} C during December-January. It is humid and Warm. Land use pattern: One of the characteristic of this zone is high percentage of cultivable land. The dominant geographic unit Hills is rolling and undulating piedmont Cropping Pattern: Major crops grown in this Zone are Paddy and Maize.
3.	Mild Tropical Hill Zone	This zone situated in the south western part of the district. Climate: Humid and warm, Very high rainfall which ranges from 4000 - 10000 mm mostly covered by semi deciduous forest. The maximum temperature ranges from 25-30 ^{0} C and minimum temperature ranges from 8-10 ^{0} C. The dominant geographic unit is severely dissected and undulating low hills, gentle to steep slope. The land is mostly covered with forest, land sometimes acidic in nature having poor fertility. Due to steep and undulated topography with high rainfall, soils are prone to erosion leading to heavy degradation. The soil type varies from red to loamy. Cropping pattern: This zone has most of the forest area of the District .The population of this region depends on Natural resources and forest products like broomsticks etc. The main crops grown in this zone are areca nut, Betel leaf, banana, and fruits.

2.3 Soil type/s

Sl. No	Soil type	Characteristics	Area in ha
1.	Red sandy soil	The soil is mostly sandy, reddish brown to yellow brown in co lour, acidic in reaction with low water holding capacity and has poor contents of organic matter and nutrients. The PH value ranges between 4.1 to 5.6 .The concentrations of organic carbon content varies from 0.28 to 3.1 percent. Low phosphorus content is the characteristics of the soil of the District varying between 1.8 and 4.5 Kg/ha. The Potassium content ranges between 28.0 and 112.0 Kg/ha, which is quite lower than normal soil.	80389
2.	Red sandy soil	The soil is mostly sandy, reddish brown to yellow brown in co lour, acidic in reaction with low water holding capacity and has poor contents of organic matter and nutrients. The PH value ranges between 4.1 to 5.6 .The concentrations of organic carbon content varies from 0.28 to 3.1 percent. Low phosphorus content is the characteristics of the soil of the District varying between 1.8 and 4.5 Kg/ha. The Potassium content ranges between 28.0 and 112.0 Kg/ha, which is quite lower than normal soil.	23357
3.	Red loamy	The soil is mostly sandy, reddish brown to yellow brown in co lour, acidic in reaction with low water holding capacity and has poor contents of organic matter and nutrients. The PH value ranges between 4.1 to 5.6 .The concentrations of organic carbon content varies from 0.28 to 3.1 percent. Low phosphorus content is the characteristics of the soil of the District varying between 1.8 and 4.5 Kg/ha. The Potassium content ranges between 28.0 and 112.0 Kg/ha, which is quite lower than normal soil.	67940

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

Sl. No	Crop	Area (ha)	Production (ton)	Productivity (Qtl /ha)
1.	Paddy	12.293	20.719	15.03
2.	Maize	2.915	3.412	11.78
3.	Other cereals	0.369	0.445	12.05
4.	Soyabean	0.399	0.403	10.10
5.	Citrus	1.155	6.272	55.28
6.	Black Pepper	0.034	0.017	5
7.	Turmeric	1.130	5.980	52.92

8.	Ginger	0.274	2.346	94.66
9.	Potato	0.209	1.002	47.94
10.	Banana	0.296	1.320	44.59
11.	Tomato	0.085	5.194	13.490
12.	Cabbage	0.047	0.479	10.191

2.5. Weather data

Month	**Rainfall (mm)**	**Temperature ^{0} C**		**Relative Humidity (%)**	
		Maximum	Minimum	Maximum	Minimum
January 2018	5	32.2	13.64	92.83	41.2
February 2018	21	19.65	9.57	86	41.96
March 2018	27.14	17.1	10.16	88.7	57.5
April 2018	37.39	18.73	12.7	91	66.67
May 2018	17.32	20.9	15.09	91.29	68.9
June 2018	83.96	20.77	16.3	94.2	80.3
July 2018	47.7	21.01	16.71	93.51	81.5
August 2018	67.16	21.59	17	92.5	79.83
September 2018	29.28	24.81	18.5	96.9	74.96
October 2018	49.75	24.59	16.88	95.93	70.4
November 2018	34.6	21.59	11.7	95.1	47.43
December 2018	16	20.17	9.58	93.77	42.1

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

Category	**Population**	**Production**	**Productivity**
Cattle			
Crossbred	969	-	-
Indigenous	27544	-	-
Buffalo	1100	-	-

Sheep			
Crossbred	969	-	-
Indigenous	-	-	-
Goats	12191	-	-
Pigs	32457	-	-
Crossbred	-	-	-
Indigenous	-	-	-
Rabbits	-	-	-
Poultry			
Hens	-	-	-
Desi	32.7963	-	-
Improved	5.969	-	-
Ducks	-	-	-
Turkey and others	-	-	-

Category	**Area**	**Production**	**Productivity**
Fish	2.5	225	-
Marine	-	-	-
Inland	-	-	-
Prawn	**5.6**	3.360	-
Scampi	-	-	-
Shrimp	-	-	-

Note: Pl. provide the appropriate Unit against each enterprise

Details of Operational area / Villages (2018-19)

Sl. No.	Taluk/ Eleka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified thrust area
1.	Laskein	Laskein	Mukhap-Mootyrchiah Saphai Umsalait Sahsniang	Paddy,Maize,Turmeric,Ginger, Soybean,Vegetables,citrus,,Poultry,Piggery,Cattle,Fishery, Traditional Beekeeping	1.Low production of crops as the farmers are still adopting the traditional practices of cultivation ,imbalance application of fertilizers, non replacement of seeds etc, 2. Productivity per unit area is low and declining due to mono cropping system. 3.Pest and diseases incidence 4. Soil erosion and declining fertility of the soil due to acidity. 5. Rain fed agriculture dependent on rain water and lack of conservation measures 6.Dearth of draught animal, 7. Local breed with slow weight gain, low eggs production, High mortality, low conception rate etc 8.Mostly marginal farmers having low family income & lack in skills 9. Unscientific beekeeping	1. Crop Production through adoption of proven production technology and uses of improved ,HYV and hybrid seeds, balanced fertilization etc 2. Diversification and intensification of existing farming system through adoption of multiple cropping, organic farming, crop rotation and proven technology like INM, Bio-fertilizers, etc. 3.Plant protection through Integrated Pest & Disease management practices and uses of Bio-agents and Bio-pesticides 4. Soil & water conservation measures, agronomic practices, crop rotation, liming etc. 5.Promotion for insitu conservation of water like dug out ponds, tanks ,mulching etc 6. Popularizing mechanization 7. Introduction of improved breed of livestock for commercial rearing 8. Promotion for creating revolving fund& educating them on improved management practices etc. 9. Introduction of Scientific beekeeping
2.	Laskein	Laskein	Mulum Nongkynrih Mookyndeng	Paddy,Maize,Turmeric,Ginger, Soybean,Vegetables ,Citrus ,Poultry,Piggery,Cattle,Fishery	-Do-	-Do-

3.	Laskein	Laskein	Shangpung Kyndongtuber	Paddy,Maize,Turmeric,Ginger, Soybean,Vegetables ,Citrus ,Poultry,Piggery,Cattle,Fishery .	-Do-	-Do-
4.	Thadlaskein	Thadlaskein	Niriang Saphoh Larnai Nongkhroh	Paddy,Maize,Turmeric,Ginger, Soybean,Vegetables ,Citrus ,Poultry,Piggery,Cattle,Fishery .	-Do-	-Do-
5.	Thadlaskein	Thadlaskein	Pynthornein Pynthorwah	Paddy,Maize, Soybean,Vegetables ,Poultry,Piggery,Cattle,Fishery.	-Do-	-Do-
6.	Thadlaskein	Thadlaskein	Ummulong Wahiajer MookaswanNangbah	Paddy,Maize,Turmeric,Ginger, Soybean,Vegetables ,Citrus ,Poultry,Piggery,Cattle,Fishery	-Do-	-Do-
7.	Thadlaskein	Thadlaskein	Umladang Umjalasiaw Kremmyrsinag- Namdong Plongkhaw	Paddy,Maize,Turmeric,Ginger, Soybean,Vegetables ,Citrus ,Poultry,Piggery,Cattle,Fishery	-Do-	-Do-
8.	Amlarem	Amlarem	Sohmynting	Paddy,Maize,Turmeric,Ginger, Soybean,Vegetables ,Citrus ,Poultry,Piggery,Cattle,Fishery.	-Do-	-Do-
9.	Khliehriat	Khliehriat	Khliehriat Tuber Sohshrieh	Paddy,Maize, ,Vegetables,Citrus ,Poultry,Piggery,Cattle,Fishery .	-Do-	-Do-

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2018-19

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
Agronomy	2	2	10	10	3	3	38	38
Horticulture	3	3	7	7	3	3	43	43

Plant Protection	3	3	13	13	3	3	39	39
Fisheries	2	2	8	8	3	3	30	30
Total	**10**	**10**	**38**	**38**	**12**	**12**	**150**	**150**

Note: Target set during last Annual Zonal Workshop

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					**Extension Activities**			
3					**4**			
Number of Courses			**Number of Participants**		**Number of activities**		**Number of participants**	
Clientele	**Targets**	**Achievement**	**Targets**	**Achievement**	**Targets**	**Achievement**	**Targets**	**Achievement**
Farmers	52	84	1560	2468	596	867	10628	20669
Rural youth	32	33	675	680				
Extn. Functionaries	12	13	250	250				
SHG	-	-	-	-				
Total	**96**	**130**	**2485**	**3398**	**596**	**867**	**10628**	**20669**

Seed Production (ton.)		**Planting material (Nos. in lakh)**	
5		**6**	
Target	**Achievement**	**Target**	**Achievement**
400q	**44.02q**	**20,000nos.**	**8000 nos.**

Note: Target set during last Annual Zonal Workshop

Sl. No	Thrust area	Crop/ Enterprise	Identified problems	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
Agronomy									
1.	Performance evaluation	Potato	1.Susceptible to Late blight 2. Low production	Performance evaluation of Potato variety *Kufri jyoti* and *Kufri chipsona*	Nil	Integrated Weed Management	NIL	Method Demonstration Group discussion Diagnostic visit Advisory service Scientist visit	Seeds, Compost
2.	Performance evaluation	Groundnut	Not yet introduce in the District	Performance evaluation of Groundnut (var.-ICGS 76)	Nil	Seed treatment in legumes Pulse and their importance	Nil	Method Demonstration Group discussion Diagnostic visit Advisory service Scientist visit	Seeds

3.	Crop Production	Paddy	1. New variety. 2. Low yield of local variety.	Performance evaluation of Paddy variety CAU R1.	Nil	In situ moisture conservation through zero tillage Biofertilizers and its uses in agriculture	NIL	Method Demonstration Group discussion Diagnostic visit Advisory service Scientist visit	Seeds, Compost, Soldier
4.	IFS	Paddy(var.Local) Fish(Amur carp)	Low return from paddy cultivation	Paddy cum fish culture	Integrated Paddy Cum Fish Culture	Integrate paddy cum fish	Nil	Group discussion	Fingerlings, compost
5.	Income generation	Vermicomposting	Low availability of Organic manure	Nil	Vermicomposting	Vermicomposting	Vermicomposting	Field day, Diagnostic visit, Advisory service Method Demonstration Scientist visit to farmers field Folders printed	Earthworms, Tetra bed, Cowdung, Biofertilizers
Horticulture									

1.	Performance evaluation	Guava	Not yet introduced in the district	Performance evaluation of Guava		Orchard management		Method demonstration on layout of orchards, planting of fruit trees, nutrient management	Guava planting materials
2.	Canopy management	Peach	Lack of canopy management	Canopy management of peach		Orchard management		Method demonstration on nutrient management, training and pruning, placing of pheromone traps	Organic manure, organic pesticides

3.	Performance evaluation	Peach	Not yet grown in the district	Performance evaluation of peach		Orchard management		Method demonstration on on layout of orchards, planting of fruit trees, nutrient management	Peach planting materials
4.	Integrated farming system		Low returns		IFS (Fish + Piggery+ Vegetables + Fruits)	Integrated farming system		Advisory services, diagnostic visit,group discussion	Fingerlings, piglets, guava plants, vegetable seeds
5.	Vegetable based cropping system		Low cropping intensity		Vegetable based cropping system : Tomato followed by broccoli	Vegetable based cropping system		Advisory services, diagnostic visit,group discussion	Seeds, organic manures, biopesticides
6.	Production technology		No proper spacing maintained		Double row planting system of pineapple variety Queen	Improved package of practices of pineapple		Advisory services, diagnostic visit,group discussion	Pineapple planting material

7.	Integrated Nutrient Management		Improper nutrient management		Integrated Nutrient Management of turmeric (Vermicompost + cowdung manure + bio-inoculation with Azotobacter and PSB)	Integrated Nutrient Management of turmeric		Advisory services, diagnostic visit,group discussion	Planting materials, organic manures, biopesticides
8.	Integrated crop management		Low utilization of land		Vertical cropping (chow chow + ginger)	Vertical cropping		Advisory services, diagnostic visit,group discussion	Planting materials, organic manures, biopesticides
Plant Protection									

1.	Integrated Pest Management	Paddy	High incidence of storage pests	Eco- friendly management of stored grain pests in paddy (var. Local) by 1.Proper sun drying 2. Impregnation of gunny bags with botanicals like lantana leaves 3.By using insect probe trap (for *Rhyzopertha dominica, Sitophilus oryzae, Tribolium castaneum*) 4. By hanging sticky traps in storage rooms (for rice moth)		Eco- friendly management of stored grain pests	Bio-pesticides for sustainable agriculture	Field day, Diagnostic visit, Advisory service Method Demonstration Group discussion Scientist visit to farmers field	Seeds, Organic manure, Bio-pesticides, insect probe trap,hermatic storage plastics

2.	Integrated Pest Management	Peach	High incidence of Fruit flies	2.Monitoring and management of fruit flies by installing fruit fly traps (ME) @ 4 nos/acre in Peach and use of EPN *Heterorhabditisindica*with *Metarhiziumanisopliae*for soil treatment <u>Refinement:</u> Prunning in mid - October, application of Borbeaux paste , manuring together with bio-pesticides and use of bait traps using molasses		1.Organic farming	Bio-pesticides for sustainable agriculture	Field day, Diagnostic visit, Advisory service Method Demonstration Group discussion Scientist visit to farmers field Folders printed	Seeds, Organic manure, Bio-pesticides, fruit fly trap

3.	Integrated Pest Management	Pea	High incidence of powdery mildew if late sown	Integrated management of powdery mildew in Pea (var. Local) by 1. Early sowing in the month of September 2. Field sanitation and destruction of diseased plants 3. Spray of wettable Sulphur @ 0.2% at 14 days interval after disease incidence is noticed		Eco-friendly management of pest and disease in pea	Bio-pesticides for sustainable agriculture		

4.	Integrated Pest Management	Potato	High incidence of White grub		1. Management of white grub in Potato (Var. KufriJyoti) by mixing *Metarhiziumanisopliae*and EPN in organic manure 15 days before sowing to be applied during planting of tubers and at earthing up Refinement: Liming in the month of November , application of ash and *Lanatacamara*leaves at time of planting and spray of *Beauveriabassiana*at vegetative stage	Eco-friendly management of pest and disease in pea	Bio-pesticides for sustainable agriculture	Field day, Diagnostic visit, Advisory service Method Demonstration Group discussion Scientist visit to farmers field Folders printed	Seeds, Organic manure, Bio-pesticides,lime

5.	Income generation	Mushroom	Non utilization of natural resources		Popularization of all year round oyster mushroom cultivation for additional income generation	Oyster mushroom cultivation	Nil	Field day, Diagnostic visit, Advisory service Method Demonstration Group discussion Scientist visit to farmers field	Spawn, plastics
6.	Income generation	Scientific Beekeeping	Low production and income due to unscientific Beekeeping		Scientific Beekeeping for enhancing farmer's income	Scientific Beekeeping	Nil	Field day, Diagnostic visit, Advisory service Method Demonstration Group discussion Scientist visit to farmers field	Bee boxes, Honey Extractor, bee viel, capturing net, smoker, excluder sheets and other accessories.
Fisheries									

1.	Performance evaluation of breed	Pengbasp	This species has not been introduced in the district	Performance evaluation of pengba sp.in composite fish culture		1.Composite fish culture, 2.Pre and post stocking management in composite fish culture		Group discussion, Diagnostic visit, Advisory helpline, Mobile advisory service	Fingerlings, lime, Feed
2.	IFS	Pig, fish, cabbage, guava	Low return,. Improper utilization of resourses.	Integrated fish + pig cum vegetable & fruits farming		Integrated farming system		Group discussion, Diagnostic visit, Advisory helpline, Mobile advisory service	Piglet, Fingerlings, guava plants, vegetable seeds
3.	Composite fish culture	Amur carp	This species has not been introduced in the district		Popularisation of amur carp.in composite fish culture system	1.Composite fish culture 2.Pre and post stocking management in composite fish culture		Group discussion, Diagnostic visit, Advisory helpline, Mobile advisory service	Fingerlings, lime

4.	Pond Management	Fish sp.:Catla, Rohu, Mrigal,Silver carp, Grass carp, Common carp	Low production, Unscientific management of pond	-	Pre and post stocking management of pond for better water quality and good production 1. Eradication of aquatic weeds and weed fishes by removal and drying up of pond bottom 2.Application of lime@400kg/ha 2. Feeding @ 3% per kg body weight	Scientific method of pond preparation and pond management		Group discussion, Diagnostic visit, Advisory helpline, Mobile advisory service	Fingerlings,lime, Artificial feed(MOC & Rice bran)
5.	IFS	Paddy,Fish	Low return from paddy cultivation	-	Popularisation of Amur carp and local common carp in rice-fish system	Integrated farming system		Group discussion, Diagnostic visit, Advisory helpline, Mobile advisory service	Fingerlings

3. B. Abstract of interventions undertaken during 2018-19

3.1 Achievements on technologies assessed and refined during 2018-19

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation/ Performance evaluation		1				2			1	4
Seed / Plant production										
Weed Management										
Integrated Crop Management						1				1
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management	1					1				2
Integrated Disease Management					1					1
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL	**1**	**1**			**1**	**4**			**1**	**8**

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

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation/ Performance evaluation	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-

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

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitery	Fisheries	TOTAL
Performance evaluation of Breeds	-	-	-	-	-	-	1	**1**
Nutrition Management	-	-	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income	-	-	-	-	-	-	-	-

generating enterprises								
IFS	-	-	-	-	-	-	1	**1**
TOTAL							**2**	**2**

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

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

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)
Agronomy									
1.	Performance evaluation of Groundnut (Variety- ICGS 76)	Not yet introduced and new to the District	Varietal evaluation	Groundnut	5	1.No. of pods/plant-16 2.Yield :14.2 q/ha	Accepting the technology	Performing well	2.4:1
2.	Performance evaluation of Potato variety *Kufri chipsona* Farmers variety- *Kufri jyoti*	Not yet introduced and new to the District	Performance evaluation	Potato	5	**Yield** 1. *Kufri chipsona*:14.8.t/ ha **Farmers practice** *Kufri jyoti*:13.1 t/ha	Accepting the technology	Performing well	**Technology** 1. *Kufri chipsona*:2.5: 1 **Farmers practice** *Kufri jyoti* 1.8:1
Horticulture									
1.	Performance evaluation of Guava	Not yet introduced in the district	Performance evaluation of Guava Varieties RCGH- 1, RCGH- 4, RCGH- 7,	Guava Varieties RCGH- 1, RCGH- 4, RCGH- 7,	2	Ongoing	Plants are adapting well	Performing well	Ongoing
2.	Canopy management of peach	Lack of canopy management	Canopy management of peach	Peach var. Alton	3	**Demo:** Yield/tree=15.5kg/tree Yield/ha= 6.2t/ha **Farmer's practice:** Yield /tree=	There is an increase in productivity	The productivity per tree has increased and early fruiting	**Demo**=2.25: 1 **Farmer's practice**= 1.52:1

						9.5kg/tree Yield/ha=3.8t/ha			
3.	Performance evaluation of peach	Not yet grown in the district	Performance evaluation of Peach varieties Pratap, Flordasun	Peach varieties Pratap, Flordasun	2	Ongoing	The fruit trees are in flowering stage	Performing well in local conditions	Ongoing
Plant protection									
1.	Monitoring and management of fruit flies by installing fruit fly traps (ME) @ 4 nos/acre in Peach and use of EPN *Heterorhabdit is indica* with *Metarhizium anisopliae* for soil treatment <u>Refinement:</u> Prunning in mid -October, application of Borbeaux paste , manuring together with bio-pesticides and use of bait	High incidence of fruit flies	1.Prunning in mid –October 2.Application of Borbeaux paste 3.Manuring together with bio-pesticides – EPN - *Heterorhabdit is indica and Metarhizium anisopliae* for soil treatment 4. Installing of fruit fly traps(Methyl eugenol) 5.Use of bait traps using molasses	Peach	3	**New Technology** 1.No. of male adults/trap- 258 2.% of infestation-35% 3.Yield kg fruit/tree - 13 4.Yield/ha-6.5 t/ha **Farmer's Practice** 1.% of infestation-85% 2.Yield kg fruit/ tree -9.5 3. Yield/ha – 4.8 t/ha	35% increase in yield	58.8% reduction in infestation	**New Technology** 2.7:1 **Farmer's Practice** 1.7:1

	traps using molasses								
2	Eco- friendly management of stored grain pests in paddy (var: Local) by Proper sun drying, impregnation of gunny bags with botanicals like lantana leaves , by using insect probe trap (for *Rhyzopertha dominica, Sitophilus oryzae, Tribolium castaneum*) and by hanging sticky traps in storage rooms (for ricemoth)	High incidence of storage pests	1. Proper sun drying, impregnation of gunny bags with botanicals like lantana leaves , by using insect probe trap (for *Rhyzopertha dominica, Sitophilus oryzae, Tribolium castaneum*) and by hanging sticky traps in storage rooms (for ricemoth)	Paddy	5	**New Technology** 1No. of adults/trap - 150-200 2.Yield t/ha- 3.5 **Farmer's Practice** 1.Yield t/ha-2.5	33% increase in yield	Eco- friendly and recommended in organic farming	**New Technology** 2.1:1 **Farmer's Practice** 1.7:1
3	Integrated disease management of powdery mildew in Pea (var: Local) by early sowing in the month of	High incidence of powdery mildew if late sown	1. Early sowing in the month of September 2.Field sanitation and destruction of diseased plants	Pea	5	**New Technology** 1.% of infection- 15% 2.Yield t/ha- 3.1 **Farmer's Practice** 1.% of infection-35 % 2.Yield t/ha-2.7	14.8% increase in yield	57% reduction in infection	**New Technology** 1.7:1 **Farmer's Practice** 1.5:1

	September, field sanitation and destruction of diseased plants, spray of wettable Sulphur @ 0.2% at 14 days interval after disease incidence is noticed		3.Spray of wettable Sulphur @ 0.2% at 14 days interval after disease incidence is noticed						
Fisheries									
1	Performance evaluation of breed	This species has not been introduced in the district	(Assesment) Evaluation of performance of pengbasp Stocking density 1000nos/0.1ha	Pengba sp.	5	Fish yield=39kg/0.1ha	Slow growth No market value	Mortality rate is high during transportation Slow growth Not of economic importance	1.1:1
2	IFS	Low return,. Improper utilization of resourses.	Integrated farming system (Fish + livestock + vegetables+ fruits)	1.Fish sp.(Catla, Rohu, Mrigal, Silver carp, Grass carp and Common carp) 2.Pig breed: Hamshire. 3.Vegetables: i)Broccoli ii)Tomato 4.Fruit trees :Guava	3	**Fish yield**=158 kg/0.1ha **Pig meat**(2nos.)=70kg **Yield from Vegetables** i)Broccoli:14.25q ii)Tomato:29.5q Fruit tree(Guava)-not yet fruited	Willing to accepet the technology	Better yield and increase in income after integration of different components	2:1(in first year)

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 2018-19

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

List of technologies demonstrated during previous years and popularized during 2018-19 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	Potato	Management of wild grub	13	130	5
2	Mushroom	All year round mushroom production	15	150	2
3	Scientific beekeeping	Scientific Beekeeping	10	100	1

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

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

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rainfed/ Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
												N	P	K
					Proposed	Actual	SC/ST	Others	Total					
Agronomy														
1.	Paddy	Crop production	Popularisation of CAU R1	*Kharif* 2018	5	5	15	-	15	-	Rainfed	-	-	-
Horticulture														
1.	Tomato, broccoli	Vegetable based cropping system	Vegetable based cropping system : Tomato followed by broccoli	*Kharif* and *rabi* April - December 2017	6	6	10		10	-	Irrigated	-	-	-
2.	Pineapple	Production technology	Double row planting system of pineapple variety Queen	Whole year 2017-18	3	3	10		10	-	Rainfed	-	-	-

3.	Turmeric	Integrated Nutrient Management	Integrated Nutrient Management of turmeric (Vermicompost + cowdung manure + bio-inoculation with Azotobacter and PSB)	Kharif and rabi season April - December 2017	1	1.5	4		4	-	Rainfed	-	-	-
Plant Protection														
1.	Mushroom	Income generation	Evaluation of Paddy straw mushroom in Jaintia Hills	-	0.5	0.5	5	-	5	Does not arise	Irrigated	-	-	-
2.	Scientific beekeeping	Income generation	Scientific beekeeping	-	1	1	3	-	3	Does not arise	Rainfed	-	-	-

c. Performance of FLD on Crops during 2018-19

Sl. No.	**Crop**	**Thematic area**	**Area (ha.)**	**Avg. yield (Q/ha.)**		**% increase in Avg. yield**	**Additional data on demo. yield (Q/ha.)**		**Data on parameters other than yield, e.g., disease incidence, pest incidence etc.**		**Econ. of demo. (Rs./ha.)**				**Econ. of check (Rs./Ha.)**			
				Demo.	**Check**		**H***	**L***	**Demo**	**Local**	**GC****	**GR****	**NR****	**BCR****	**GC**	**GR**	**NR**	**BCR**

Agronomy																		
1.	Paddy	Crop production	1	40.1	21	90.9	43.2	37.1	-	-	37200	100275	63075	2.7:1	46650	84000	37350	1.8:1
2	Paddy and fish	IFS	1	Fish yield 0.27/0.05ha Paddy yield 0.75/0.05	Local paddy yield 0.45/0.05	120%	1.05	0.45	-	-	3300	7375	4075	2:2:1	1700	1800	100	1:1
Horticulture																		
1	Tomato, broccoli	Vegetable based cropping system	6	Broccoli =151 **Tomato= 310**	**Tomato= 290**	**37.09**	Broccoli = 155 **Tomato= 315**	Broccoli =145 **Tomato= 294**			275000	763000	488000	2.7 7:1	120000	290000	170000	2.41:1
2	Pineapple	Production technology	3	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing
3	Ginger	Production technology	1	92	61	33.6	95	88	-	-	175000	552000	377000	3.15:1	140000	366000	226000	2.61:1
Plant Protection																		

1.	Potato *var.*Kufri Jyoti	IPM	5	95	80	18.75	145	100	-	-	78000	171000	93000	2.1:1	79500	144000	64500	1.8:1

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

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

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

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

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

d. Extension and Training activities under FLD on Crops

Sl.No.	Activity	No. of activities organised	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days	23	2.04.18 30.03.18 16.05.18 30.05.18 26.06.18 27.06.18 24.07.18 22.10.18 17.10.18 26.10.18 6.11.18 8.11.18 14.11.18 6.11.18 7.11.18 9.11.18 12.11.18		166	166	

			2.12.18				
2	Farmers Training	33	30.04.18 16.04.18 16.05.18 30.05.18 18.06.18 27.06.18 10.07.18 20.07.18 21.07.18 22.07.18 23.07.18 24.07.18 25.07.18 26.07.18 10.08.18 02.08.18 14.08.18 29.08.18 30.08.18 24.08.18 27.08.18 24.09.18 06.09.18 25.09.18 05.09.18 24.10.18 25.10.18 28.11.18 5.12.18 12.12.18 19.12.18 20.12.18 23.12.18		1092	1092	
3	Media coverage	6					
4	Training for extension	4		-	18	18	

	functionaries						
5	Any other (Pl. specify)	-	-	-	-	-	
	Total	**66**			**1276**	**1276**	

e. Details of FLD on Enterprises

(i) Farm Implements

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

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

(ii) Livestock Enterprises

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

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

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

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

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

(iii) Fisheries

Sl. No.	Category, e.g. Common carp, ornamental fish etc.	Thematic area	Name of Technology	No. of farmers	No. of units	No. of fish/ fingerlings	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
							Demo	Check		Demo	Check	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR	
1.	Fish sp.: Silver carp, Grass carp, Common carp	Pond management	Pre and post stocking management of pond for better water quality and good production 1. Eradication of aquatic weeds and weed fishes by removal and drying up of pond bottom 2.Application of lime@400kg/ha 2. Feeding @ 3% per	10	10	1000 Nos./ 0.1	Yield= 145.kg /0.1ha	Yiel= 25kg/ 0.1ha	45%			12000	29000	17000	2.4:1	3000	5000	2300	1.6:1	Performing well

			kg body weight																
2.	Fish sp.:Amur carp, Paddy: Arize6444	IFS	Popularisation of Amur carp and local common carp in rice-fish system	12	12	5000nos/ha	Fish yield= 27.5kg /0.05 ha Paddy yield-75kg	Paddy (Local variety)yield-45kg/ 0.05	120 %			33000	73750	40750	2.2:1	1700	1800	100	1:1	Performing well
3.	Fingerlings(Catla, Rohu, Mrigal, Silver carp, Grass carp and Amur carp	Composite fish culture	Popularisation of amur carp in composite fish culture system	8	8	1000nos/ha	Fish yield 150kg/ 0.1ha	Fish yield-30 kg/0.1 ha	50%			120000	300000	180000	2.5:1	3000	5000	2300	1.6:1	Performing well

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

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

(iv)Other enterprises

Sl. No.	Category/ Enterprise, e.g., mushroom, vermicompost, apiculture etc.	Thematic area	Name of Technology	No. of farmers	No. of units	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
						Demo	Check		Demo	Check	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR	
1.	Mushroom	Income generation	Popularization of all year round Oyster mushroom cultivation for enhancing farmers income	15	15	2 kg mushroom / bag	-	-	-	-	20000	50000	30000	2.5:1	-	-	-	-	Difficulty in getting spawn
2.	Scientific beekeeping	Income generation	Popularization of Scientific Beekeeping for enhancing farmers income	10	10	1.Yield (kg) /bee box-5	1.Yield (kg) /traditional box-3	66.6	-	-	21000	37500	16500	1.78:1	17500	22500	5000	1.28:1	Beneficial in IFS system, orchard and forest area

3.	Berkeley compost		Berkeley compost	15	15	Yield 9q/ha	-	-	-	-	6500	10800	4300	1.7:1	-	-	-	-	

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

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

(v) Farm Implements and Machinery

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

f. Performance of FLD on Crop Hybrids

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

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

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

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

3.3. Achievements on Training during 2018-19

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

Thematic area	No. of Trainings (Courses)			Participants																				
				General						SC/ST						Total								
				Male		Female		Total		Male		Female		Total		Male		Female		Total				
	On-Campus (1)	Spon On* (2)	Total (1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a=4+6)	Sp. On (b=5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c=8+10)	Sp. On (d=9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x=a+c)	Sp. On (y=b+d)	Grand Total (x + y)		
I. Crop Production																								
II. Horticulture																								
III Soil Health and Fertility Management																								
IV Livestock Production and Management																								
V Home Science/Women empowerment																								
VI Agril. Engineering																								
VII Plant Protection																								
Income generation	-	1	1							-	20	-	20	40	-	-	20	-	20	40	-	40		
VIII Fisheries																								
IX Production of Inputs at site																								
X Capacity Building and Group Dynamics																								
XI Agro-forestry																								
TOTAL	-	1	1							-	20	-	20	40	-	-	20	-	20	40	-	40		

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

Thematic area	No. of Trainings (Courses)	Participants	Grand Total

	Off	Sp Off*	Total	General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
				Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
I. Crop Production																						
Weed Management	2	-	2							23	-	36	-	59	-	23	-	36	-	59		59
Resource Conservation Technologies	1	-	1							26	-	29	-	32	-	26	-	29	-	32		32
Cropping Systems	1	-	1							12	-	30	-	42	-	12	-	30	-	42		42
Crop Diversification	3	-	3							53	-	52	-	105	-	53	-	52	-	105		105
Integrated Farming	1	-	1							14	-	11	-	15	-	14	-	11	-	15		15
Nursery management	1	-	1							0	-	22	-	22	-	0	-	22	-	22		22
Integrated Crop Management	1		1							10		19		26		10		19		26		26
Fodder production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organic production of l crops	1		1							19		27		46		19		27		46		46
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

and high value crops																						
Off-season vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery raising	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exotic vegetables like Broccoli	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grading and standardizatio n	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Protective cultivation (Green Houses, Shade Net etc.)	1		1							15		19		19		15		19		19		19
Vegetable based cropping system	5		5							65		33		98		65		33		98		98
Cultivation of winter vegetables	1		1							6		24		30		6		24		30		30
Nutritional garden	2		2							21		12		33		21		12		33		33
Vegetable cultivation in jalkund	1		1							10		69		79		10		69		79		79
b) Fruits																						
Training and Pruning	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	1		1							10		15		25		10		15		25		25
Management of young plants/orchards	3		3							48		39		87		48		39		87		87
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Processing and value addition	5		5							20		23		43		20		23		43		43
c) Ornamental Plants																						
Nursery Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d) Plantation crops																							
Production and Management technology	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e) Tuber crops																							
Production and Management technology	1		1							57		69	-	126	-	57		69	-	126	-	126	
Food and nutritional security of tuber crops	1		1							22	-	27	-	49	-	22	-	27	-	49	-	49	
f) Spices																							
Production and Management technology	1									25	-	25	-	50	-	25	-	25	-	50	-	50	
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants																							
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Production and management technology	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III. Soil Health and Fertility Management																							
Soil fertility management	1	-	1							50	-	47	-	120	-	50	-	47	-	120	-	120	
Integrated Nutrient Management	5	-	5							40	-	23	-	63	-	40	-	23	-	63	-	63	
Production and use of organic inputs	3	-	3							21	-	35	-	56	-	21	-	35	-	56	-	56	
Nutrient deficiencies of fruits and vegetables	1		1							15		18		25		15		18		25		25	
IV Livestock Production and Management																							
Poultry Management	1	-	1							-	30	-	20	50	-	-	30	-	20	50		50	
Integrated Farming System	3	-	3							26	-	15	-	41	-	26	-	15	-	41		41	
Piggery Management	2	-	2							19	-	22	-	36	-	19	-	22	-	36	-	36	
Fodder production	1	-	1							18	-	15	-	19	-	18	-	15	-	19	-	19	
Value addition	1	-	1							0	-	22	-	12	-	0	-	22	-	12	-	12	
V Home Science/Women empowerment																							
VI Agril. Engineering																							

VII Plant Protection																						
Bio-control of pests and diseases	2	-	2							36	-	42	-	78	-	36	-	42	-	78	-	78
Crop rotation to reduce endemic pest and diseases	3	-	3							20	-	17	-	32	-	20	-	17	-	32	-	32
Seed treatment with biopesticides and its advantages	2	-	2							15	-	24	-	23	-	15	-	24	-	23	-	23
Preparation of common botanicals and jeevamrit	1	-	1							50	-	36	-	94	-	50	-	36	-	94	-	94
Introduction to IPM	1	-	1							36	-	35	-	51	-	36	-	35	-	51	-	51
Eco friendly management of pest and disease in ginger	3		3							21	-	22	-	39	-	21	-	22	-	39	-	39
Eco friendly management of pest and disease in tomato	1		1							27	-	38	-	45	-	27	-	38	-	45	-	45
Eco friendly management of pest and disease in potato	2	-	2								16	-	25	41	-		16	-	25	41	-	41
Eco friendly management	1	-	1							26	-	25	-	72	-	26	-	25	-	72	-	72

of pest and disease in pea																							
Safe storage of paddy seeds	2	-	2							20	-	29	-	27	-	20	-	29	-	27	-	27
Scientific Bee keeping	2	-	2							-	8	-	0	8	-	-	8	-	0	8	-	8
Scientific Bee keeping	-	1	1							23	-	27	-	36	-	23	-	27	-	36		36
Oyster mushroom cultivation	1	-	1							-	0	-	25	25	-	-	0	-	25	25	-	25
Oyster mushroom cultivation	-	1	1							33		22		65	-	33		22		65		65
VIII Fisheries																							
Integrated fish farming	3		3							37		33		70		37		33		70		70
Carp breeding and hatchery management	2		2							32		26		45		32		26		45		45
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Composite fish culture	2		2							50		46		96		50		46		96		96
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site																						
X Capacity Building and Group Dynamics																						
Formation and Management of SHGs	4	-	4							38	-	25	-	63	-	38	-	25	-	63	-	63
XI Agro-forestry																						
TOTAL	**84**	**1**	**84**							**1109**	**54**	**1235**	**70**	**2344**	**124**	**1109**	**54**	**1235**	**70**	**2344**	**124**	**2468**
(B) RURAL YOUTH																						
3.3.3. Achievements on Training <u>Rural Youth</u> in <u>On Campus</u> including <u>Sponsored On Campus</u> Training Programmes (*Sp. On means On Campus training programmes sponsored by external agencies)																						
Thematic area	**No. of Trainings (Courses)**			**Participants**																		**Grand Total (x +**
	On		**Total**	**General**			**SC/ST**			**Total**												
				Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**											

	(1)	Sp On * (2)	(1+ 2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a= 4+ 6)	Sp. On (b= 5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c= 8+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)	y)
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 Trainings (Courses)			Participants																		Grand Total
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	Off	Sp Off	Total	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
Integrated Nutrient Management																						
Mushroom Production																						
On farm production of biopesticides																						
Scientific bee keeping																						
Integrated farming																						
Production of organic inputs																						
Integrated																						

Farming																						
Value addition																						
Piggery																						
Integrated Pest Management																						
TOTAL																						

C. Extension Personnel

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

Thematic area	On (1)	Sp On* (2)	Total (1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a=4+6)	Sp. On (b=5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c=8+10)	Sp. On (d=9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x=a+c)	Sp. On (y=b+d)	Grand Total (x + y)
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Thematic area	No. of Trainings (Courses)			Participants																		Grand Total
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	Off	Sp Off*	Total	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
Resource Conservation Technology	1	-	1							10	-	7	-	17		10	-	7	-	17		17
Integrated Farming System	1	-	1							13	-	9	-	22		13	-	9	-	22		22

Role of legumes in agriculture	1	-	1							13	-	11	-	24		13	-	11	-	24		24
Organic Agriculture	1	-	1							12	-	12	-	24		12	-	12	-	24		24
Integrated Nutrient Management	1	-	1							10	-	8	-	18		10	-	8	-	18		18
Mushroom Production	1	-	1							5	-	10	-	15		5	-	10	-	15		15
On farm production of biopesticides	1	-	1							8	-	9	-	17		8	-	9	-	17		17
Scientific bee keeping	1	-	1							12	-	5	-	17		12	-	5	-	17		17
Integrated farming	1	-	1							13	-	8	-	21		13	-	8	-	21		21
Carp breeding and seed production	1	-	1							9	-	8	-	17		9	-	8	-	17		17
Value addition	1	-	1							11	-	6	-	17		11	-	6	-	17		17
IPM	1	-	1							13	-	9	-	22		13	-	9	-	22		22
IDM	1	-	1							11	-	8	-	19		11	-	8	-	19		19
Total	**13**	**-**	**13**							**140**		**110**		**250**		**140**		**110**		**250**		**250**

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

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

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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
Agronomy	Production and use of Organic inputs	Organic Manures	April	1	Niawkmai	Farmer & Farm women				7	5	12	7	5	12
Agronomy	Production and use of Organic inputs	Vermicomposting	April	1	Namdong	Farmer & Farm women				7	3	10	7	3	10
Agronomy	Resource Conservation Technologies	SRI	7.5.18	1	Sohphoh	Farmer & Farm women				26	6	32	26	6	32
Agronomy	Nursery management	Nursery management in rice	9.5.18	1	Laskein	Farmer & Farm women				-	22	22	-	22	22
Agronomy	Crop diversification	Role of legumes in agriculture	11.5.18	1	Umladang	Farmer & Farm women				10	7	17	10	7	17

Agronomy	Weed management	Organic weed management	24.8.18	1	Nongkhroh	Famer & farm women				14	33	47	14	33	47
Agronomy	Integrated Nutrient Management	Role of Biofertilizer in intercropping and crop production	28.8.18	1	Khliehriat	Rural Youth				11	4	15	11	4	15
Agronomy	Production and use of Organic inputs	Vermicompost	6.9.18	1	Niawkmai	Famer & farm women				7	27	34	7	27	34
Agronomy	Integrated Nutrient Management	On and Off farm waste manegement	17.9.18	1	Wah rymbai	Famer & farm women				7	27	34	7	27	34
Agronomy	Integrated Nutrient Management	Berkeley compost	21.9.18	1	Lumbhahdakha	Famer & farm women				8	29	37	8	29	37
Agronomy	Soil fertility management	Soil Health management	5.12.18	1	Jowai	Famer & farm women				50	70	120	50	70	120
Agronomy	Crop diversification	Legumes as a source of nutrition for human health and soil fertlity	23.12.18	1	Sahsniang B	Famer & farm women				25	35	60	25	35	60
Agronomy	Integrated Nutrient Management	Integrated Waste Management	28.01.19	1	Umladang	Farmers & Farm Women				18	12	30	18	12	30
Agronomy	Integrated Nutrient Management	Organic Waste Management	15.01.19	1	Tyrshang	Rural Youth				0	15	15	0	5	15
Agronomy	Weed management	Critical period in crop weed management	12.02.19	1	Mootyrshiah	Famer & farm women				9	39	48	9	39	48
Agronomy	Cropping system	Nutritional benefits of millets	5.3.19	1	Larnai	Farmers and farm				12	7	19	12	7	19

						women									
Agronomy	Value addition	Preparation of vegetable pickle	6. 3.19	1	Mihmyntdu	Children Home for Girls , Mihmyntdu				0	12	12	0	12	12
Plant Protection															
Plant Protection	Biological management of diseases	Eco friendly management of pests and diseases in Potato	16.04.18	1	Wahiajer	Farmers and farm women				14	15	29	14	15	29
Plant Protection	Biological management of diseases	Eco friendly management of pests and diseases in Ginger	30.04.18	1	Niawkmai	Farmers and farm women				10	21	31	10	21	31
Plant Protection	Biological management of diseases	Eco friendly management of pests and diseases in Ginger (1.Seed treatment,2.Intercropping with soyabean)	16.05.18	1	Niawkmai	Farmers and farm women				22	30	52	22	30	52
Plant Protection	Biological management of diseases	Eco friendly management of pests and diseases in Potato (1.Liming, 2. Seed treatment, 3. Use of Bio pesticides 4. Safe storage)	30.05.18	1	Wahiajer	Farmers and farm women				5	20	25	5	20	25
Plant Protection	Biological management of diseases	Eco-friendly management of pests and diseases in Tomato	02.08.18 - 14.08.18	13	Wahiajer	Farmers and farm women				15	45	60	15	45	60
Plant	Biological	Eco-friendly management of pests and	29.08.18 -	2	Saphoh	Farmers and				35	25	60	35	25	60

Protection	management of diseases	diseases in Potato	30.08.18			farm women									
Plant Protection	Biological management of diseases	Eco-friendly management of pests and diseases in Ginger	24.08.2018 - 27.08.18	4	Niawkmai	Farmers and farm women				25	35	60	25	35	60
Plant Protection	Biological management of diseases	Eco-friendly management of pests and diseases in Tomato (Preparation of Jeevamrit)	24.09.18	1	Wahiajer	Farmers and farm women				15	45	60	15	45	60
Plant Protection	Biological management of diseases	Eco-friendly management of pests and diseases in Ginger (Preparation of Jeevamrit and Crop rotation)	05.09.18	1	Niawkmai	Farmers and farm women				25	35	60	25	35	60
Plant Protection	Biological management of diseases	Eco-friendly management of pests and diseases in Potato (Identification of pests and diseases and Preparation of jeevamrit)	25.09.18	1	Saphoh	Farmers and farm women				35	25	60	35	25	60
Plant Protection	IPM	Safe storage of paddy seeds	28.11.18	1	Namdong	Farmers and farm women				20	10	30	20	10	30
Plant Protection	IPM	Safe storage of paddy seeds	20.12.18	1	Namdong A	Farmers and farm women				3	18	21	3	18	21
Plant Protection	IPM	Safe storage of ginger seeds	20.12.18	1	Namdong A	Farmers and farm women				3	18	21	3	18	21

Plant Protection	Biological management of diseases	Eco friendly management of pests and diseases in Pea (2 courses)	19.12.18	1	Nongkhroh	Farmers and farm women				4	20	24	4	20	24
Plant Protection	Income generation	All year round Oyster Mushroom cultivation for enhancing farmers income	10.01.2019	1	Niawkmai	Farmers and farm women				9	27	36	9	27	36
Plant Protection	Biological management of diseases	Identification and Eco-friendly management of pests and diseases in Pea	15.01.2019	1	Nongkhroh	Farmers and farm women				3	17	20	3	17	20
Plant Protection	Bee keeping	Scientific beekeeping	31.01.2019	1	Wahiajer-East Jaintia Hills	Farmers and farm women				8	0	8	8	0	8
Plant Protection	Bee keeping	Scientific beekeeping	05.3.19	1	Larnai	Farmers and farm women				12	7	19	12	7	19
Horticulture															
Horticulture	Vegetable	Vegetable based cropping system	04.04.17	1	Nangbah	Farmer and farm women				11	2	13	11	2	13
Horticulture	Vegetable	Vegetable based cropping system	12.04.17	1	Wahiajer	Farmer and farm women				8	1	9	8	1	9
Horticulture	Vegetable	Vegetable based cropping system	11.05.17	1	Umjalasiaw	Farmer and farm women				15	5	20	15	5	20
Horticulture	Vegetable	Vegetable based cropping system	14.06.17	1	Tyrchang	Farmer and farm women				12	16	28	12	16	28
Horticulture	Vegetable	Vegetable based cropping system	24.10.17	1	Namdong	Farmer and farm women				30	43	73	30	43	73
Horticulture	Vegetable	Vegetable based	27.10.17	1	Mynsngat	Farmer and				28	35	63	28	35	63

		cropping system				farm women										
Horticulture	Vegetable	Vegetable based cropping system	17.11.17	1	Namdong	Farmer and farm women				12	23	35	12	23	35
Horticulture	Vegetable	Vegetable based cropping system	20.11.17	1	Umladang	Farmer and farm women				9	20	29	9	20	29
Horticulture	Fruits	Value addition of jackfruit	19.06.17	1	Sahsniang	Farmer and farm women				7	21	28	7	21	28
Horticulture	Fruits	Value addition of horticultural crops	8.01.2018 to 11.01.2018	4	Childrens home, Jowai	School children				13	2	15	13	2	15
Horticulture	Fruits	Improved package of practices of pineapple	15.07.17	1	Nongkhroh	Farmer and farm women				10	15	25	10	15	25
Horticulture	Vegetables	Cultivation of winter vegetables	12.09.17	1	Umjalasiaw	Farmer and farm women				6	24	30	6	24	30
Horticulture	Vegetables	Protected cultivation	16.11.17	1	Mookabeng	Farmer and farm women				6	13	19	6	13	19
Horticulture	Crop production	Organic production of horticultural crops	12.01.18	1	Nangbah	Farmer and farm women				19	27	46	19	27	46
Horticulture	Soil health and fertility management	Nutrient deficiencies of fruits and vegetables	16.02.17	1	Nongkynrih	Farmer and farm women				7	18	25	7	18	25
Horticulture	Tubers	Food and nutritional security of tuber crops	20.03.18	1	Jowai, Polytechnic	Farmer and farm women				57	69	126	57	69	126

Horticulture	Tubers	Production practices of tuber crops	20.03.18	1	Jowai, Polytechnic	Farmer and farm women				57	69	126	57	69	126
Horticulture	Vegetables	Nutritional garden	4.05.17	1	Jowai	School children				68	49	117	68	49	117
Horticulture	Vegetables	Nutritional garden	21.08.17	1	Nangbah	Farmer and farm women					20	20		20	20
Horticulture	Spices	INM of turmeric	12.05.17	1	Nongkynrih	Farmer and farm women				-	25	25	-	25	25
Horticulture	Vegetables	Vegetable cultivation in jalkund	22.05.17	1	Umjalasiaw	Farmer and farm women				10	69	79	10	69	79
Horticulture	Crop production	Integrated farming system	23.05.17	1	Sohphoh	Farmer and farm women				14	15	29	14	15	29
Horticulture	Crop production	Integrated farming system	22.08.17	1	Sohphoh	Farmer and farm women				11	22	33	11	22	33
Horticulture	Crop production	Integrated farming system	23.01.18	1	Sohphoh	Farmer and farm women				13	6	19	13	6	19
Horticulture	Crop production	Vertical cropping	09.06.17	1	Nongkhroh	Farmer and farm women				10	16	26	10	16	26
Horticulture	Fruits	Orchard management	6.07.17	1	Lyrnai	Farmer and farm women				18	13	31	18	13	31
Horticulture	Fruits	Orchard management	08.12.17	1	Lyrnai	Farmer and farm women				14	11	25	14	11	25
Horticulture	Fruits	Orchard management	04.01.2018	1	Lyrnai	Farmer and farm women				16	15	31	16	15	31

Fisheries															
Fisheries	Pond management	Scientific management of pond for better fish production	04.04.18	1	Nangbah	Farmer and farm women				11	2	13	11	2	13
Fisheries	Pond management	Scientific management of pond for better fish production	17.04.18	1	Wahiajer	Farmer and farm women				16	1	17	16	1	17
Fisheries	Pond management	Scientific management of pond for better fish production	10.05.18	1	Sohphoh	Farmer and farm women				14	7	21	14	7	21
Fisheries	Pond management	Scientific management of pond for better fish production	26.06.18	1	Sahsniang	Farmer and farm women				13	10	23	13	10	23
Fisheries	Pond management	Scientific management of pond for better fish production	30.06.18	1	Umladang	Farmer and farm women				15	7	22	15	7	22
Fisheries	IFS	Piggery cum fishery cum horticultural crops	02.07.18	1	Sohphoh	Farmer and farm women				8	0	8	8	0	8
Fisheries	IFS	Piggery cum fishery cum horticultural crops	08.08.18	1	Sohphoh	Farmer and farm women				18	13	31	18	13	31
Fisheries	IFS	Piggery cum fishery cum horticultural	04.10.18	1	Sohphoh	Farmer and				5	11	16	5	11	16

		crops				farm women									
Fisheries	IFS	Piggery cum fishery cum horticultural crops	28.01.19	1	Sohphoh	Farmer and farm women				6	9	15	6	9	15
Fisheries	Fish breeding	Carp breeding and seed production	18.03.19	1	Nangbah	Farmer and farm women				10	5	15	10	6	16
Fisheries	Fish breeding	Carp breeding and seed production	26.03.19	1	Nangbah	Farmer and farm women				10	5	15	10	4	14
Fisheries	Fish breeding	Carp breeding and seed production	30.03.19	1	Kliehtyrchi	Farmer and farm women				8	7	15	8	7	15
Fisheries	Fish breeding	Carp breeding and seed production	06.03.19	1	FTI,Rymphu m Jowai	Extension personnel				04	11	15	04	11	15
Animal Science															
Animal Science	Livestock Production and management	Improved poultry production by introducing improved chicken varieties	12.2.19	1	Mootyrshiah	Farmers and farm women				13	31	42	13	31	42
Animal Science	Livestock Production and management	Scientific poultry farming	15.02.19	1	Mookyndur	Farmers and farm women				-	80	80	-	80	80
Animal Science	Livestock Production and management	Pig farming	20.02.19	1	Mookyndur	Farmers and farm women				-	80	80	-	80	80
Animal Science	Value addition	Preparation of meat pickle	6. 3.19	1	Mihmyntdu	Children Home for Girls , Mihmyntdu				0	12	12	0	12	12

Animal Science	Fodder production	Fodder production	5.3.19	1	Larnai	Farmers and farm women				12	7	19	12	7	19
Animal Science	Livestock Production and management	Integrated Farming System	8-9.3.19	2	KVK Jaintia Hills	Extension personnel				13	4	17	13	4	17
Ag.Extension															
Ag.Extension	Formation and management of SHGs	Training on management of Self Help Group	9.01.2019	1	Niawkmai	Farmers and farm women				9	27	36	9	27	36
Ag.Extension	Formation and management of SHGs	Training on management of Self Help Group	7.02.2019	1	Umbluh	Farmers and farm women				12	29	41	12	29	41
Ag.Extension	Formation and management of SHGs	Training on management of Self Help Group	12.03.2019	1	Wahiajer	Farmers and farm women				10	5	15	10	5	15
Ag.Extension	Formation and management of SHGs	Training on management of Self Help Group	13.03.2019	1	Mustem	Farmers and farm women				7	6	13	7	6	13

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date (From – To)	Duration (days	Area of training	Training title*	No. of Participants							Impact of training in terms of Self employment after training				Whether Sponsored by external funding agencies (Please Specify with amount of fund in Rs.)
					General	SC/ST			Total							
						M	F	T	M	F	T	Type of enterprise ventured into	Number of units	Number of persons employed	Avg. Annual income in Rs. generated through the enterprise	
Horticulture	1- 2.02.18	5	Nursery raising of horticultural crops	Nursery raising of horticultural crops		29	26	55	29	26	55					
Fisheries	11-14.06.18	5	Processing and value addition	Value addition of Fish		28	26	54	28	26	54					
Mushroom	21-24.06.18	5	Income generation	Oyster Mushroom cultivation		24	25	49	24	25	49					

Vermi composting	26-28.6.18	5	Production of organic inputs	Vermicomposting		20	23	43	20	23	43					
Horticulture	29-30.06.18	5	Processing and Value addition	Value addition of jackfruit		29	26	55	29	26	55					
Trichoderma	04-05 .07.18	5	Production of organic inputs	On- farm production of Trichoderma spp		29	28	57	29	28	57					
Fisheries	16-17.07.18	5	Processing and value addition	Value addition of Fish		23	25	48	23	25	48	-	-	-	-	-
Crops	20-22.07.18	5	Value addition	Value addition of horticultural crops		26	25	51	26	25	51	-	-	-	-	-
Crops	8 -9.10.18	5		Nursery raising of horticultural crops		22	24	46	22	24	46					
Paddy, Fish	22.10.18	5	IFS	Paddy cum fish culture		33	27	60	33	27	60					

Mushroom	16-18.1.19	5	Income generating activities	All year round Oyster Mushroom cultivation for enhancing farmers income		27	25	52	27	25	52					
Compost	11-13.2.19	5	Production and use of Organic inputs	Berkeley Compost		25	27	52	25	27	52					
Compost	18-19.2.19	5	Production and use of Organic inputs	Vermicompost		28	30	58	28	30	58					
Total		**65**	**-**	**-**	**-**	**343**	**337**	**680**	**343**	**337**	**680**					

*training title should specify the major technology /skill transferred

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

On/ Off/ Vocational	Beneficiary group (F/ FW/ RY/ EP)	Date (From-To)	Duration (days)	Discipline	Area of training	Title	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
							General			SC/ST			Total				
							M	F	T	M	F	T	M	F	T		
Off	F/FW	11-12.12. 2019	2	Agronomy	Thadlaskein	Poultry waste management				30	20	50	30	20	50	ICAR RC for NEH Region	
Off	F/FW	29 – 31. 01. 2019	3	Plant Protection	FTI, Rymphum	Oyster Mushroom cultivation				0	25	25	0	25	25	Bharat Dalmia Cement	3000
Off	F/FW			Plant Protection	FTI, Rymphum	Scientific beekeeping				8	0	8	8	0	8		3000
On	F/FW	11-16.03.19	50	Plant Protection	FTI, Rymphum	Oyster Mushroom cultivation Scientific beekeeping				20	20	40	20	20	40	ASCI	3,30,000
Off	RY	11-16.3.19	6	Plant Protection	Wahiajer	IPM in vegetables				17	11	28	17	11	28	MANAGE	42000

Off	RY	11-16.3.19	6	Agronomy	Mustem	Organic farming				7	21	28	7	21	28	MANAGE Hyderabad	42000
Off	RY	11-16.3.19	6	Animal Science	Mustem	Piggery rearing and management				7	21	28	7	21	28	MANAGE Hyderabad	42000
Total	**7**		**73**	**-**	**-**	**-**				**89**	**118**	**207**	**89**	**118**	**207**		

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 2018-19

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
Agronomy																
1.	Advisory services	• Liming application at the time of land preparation • Advice on care and maintenance of earthworm in vermicompost • Advice on turning of Berkeley compost • Advice on soil moisture conservation,	18.1.18 5.2.18 3.10.18 4.10.18 22.10.18 7.11.18 21.11.18 27.11.18 3.12.19 18.12.19 19.12.19	11	-	-	-	44	49	93	-	-	-	44	49	93

		• Soil sampling techniques • Harvesting of groundnut • Advice on soil moisture conservation, • Soil sampling techniques • On construction of Vermibed															
2.	Diagnostic visit	• Land preparation for potato cultivation • Powdery mildew in pea • Diagnosed powdery mildew in pea and aphids and cabbage butterfly in cole crops • Diagnosed powdery mildew in pea • Wilting in lentil • Diagnosed pod borer in frencbean • Diagnosed pod borer in frencbean • Pod borers in pea, aphids in mustard	18.1.18 26.01.18 5.2.18 15.2.18 26.02.18 27.02.18 3.5.18 4.5.18 5.5.18 4.6.18 7.6.18 11.6.18 25.6.18 8.8.18 13.8.18 16.8.18 4.8.18 12.8.18 25.8.18 3.10.18 5.10.18 5.11.18 12.11.18 5.12.18 12.12.18	23	-	-	-	38	37	75	-	-	-	38	37	75
3.	Field Day	• Water harvesting of high value crops (Brocolli) • Harvesting of Potatao	24.01.18 16.5.18 2.12.18 6.11.18	12	-	-	-	68	54	122	-	-	-	68	54	122

		in presence of PD ATMA West Jaintia Hills • Field day on CAUR1 and ICGS 76 • Paddy Cum Fish culture	7.11.18 9.11.18 12.11.18														
4.	Film Show	• Vermicompost • Biological N fixation in legumes	5.2.18 4.5.18 29.6.18 28.8.18	7	-	-	-	189	178	367	-	-	-	189	178	367
5.	Group discussion	• Discussed on Importance of leguminous crop cultivation	16.5.18	3	-	-	-	110	129	239	-	-	-	110	129	239
6.	Scientists' visit to farmers' field	• Diagnosed powdery mildew in pea and aphids and cabbage butterfly in cole crops • Visit to OFT • White grub infestation • Visit to Jalkund site, Visit to Groundnut field • Visit to OFT and FLD field • Pod borers in pea, aphids in mustard	26.2.18 27.2.18 3.5.18 4.5.18 5.5.18 16.5.18 11.6.18 25.6.18 8.8.18 9.8.18 13.8.18 16.8.18 4.8.18 12.8.18 25.8.18 3.10.18 5.10.18 5.12.18 12.12.18	24	-	-	-	42	58	100	-	-	-	42	58	100
7.	Method Demonstration	• Line sowing and Seed treatment with biofertilizer • Vermicompost	23.10.18 25.10.18	8	-	-	-	126	119	245	-	-	-	126	119	245

		• Use of biofertilizer for seed treatment • Vermicomposting														
8.	Lecture delivered as resource person	• Improved Agriculture Prcatices on the Kisan Kalyan Karyashala under Gram Swaraj Abhiayan • Role of intercropping in soil fertility and crop production • Role of intercropping in soil fertility and crop production	2.5.18 13.6.18 23.8.18	8	-	-	-	153	166	319	-	-	-	153	166	319
9.	Farmer-Scientist interaction	• Utilization of paddy straw for the cultivation of oyster mushroom • Discussed on Importance of leguminous crop cultivation	11.5.18 16.5.18	2	-	-	-	186	133	319	-	-	-	186	133	319
10.	Leaflet/folder			3												
11.	NICRA (Training and Method Demonstration)	• SRI • Improve package of practices in groundnut • Line sowing and Seed treatment with biofertilizer	10.5.18 25.6.18	1	-	-	-	23	27	50	-	-	-	23	27	50
12.	Exposure visit	• Visit to KVK Baramati , Pune (under HRD Program	17-24.3.19	1				-	-	-				-	-	-
13.	Mera Gau Mera Gaurav(Training and Method Demonstration)			2	-	-	-	338	386	724	-	-	-	338	386	724
14.	Mobile Agro-Advisory			40				790	883	1623				790	833	1623

	(Messages/ Beneficiaries)																
Total				**145**				**2107**	**2219**	**4276**				**2107**	**2219**	**4276**	
SMS (Horticulture)																	
1.	Advisory services	• Advised women farmers to start value addition as their enterprise • Advised farmers to start production of their own organic products • Advised women farmers to start value addition as their enterprise • Advised farmers to start production of their own organic products • Advised farmers to conserve local tuber crops for nutritional security • Advised women SHGs to take up value addition as their enterprise • Advised using of Trichoderma in Ginger seed treatment • Advised using of Trichoderma in Ginger seed treatment • Advised for value addition of jackfruit, pineapple • Advised for multiple cropping • Advised farm women on value addition of	17.1.18 19.1.18 5.2.18 27.2.18 04.04.18 02.05. 18 22.05.18 31.05. 18 08.06.18 14.06. 18 22.06. 18 05.07. 18 23.-8. 18 05.10. 18 08.11. 18 04.11. 18	16	-	-	-	49	57	106	-	-	-	49	57	106

		local fruits • Advised farm women on marketing of value added products • Advised farmers on Organic Farming • Advised farmers on early sowing of pea to avoid powdery mildew • Advised farmers f or intercropp ing of cole crops with legumes • Advised farmers for intercropping of cole crops with legumes														
2.	Diagnostic visit	• Diagnosed pest of cabbage at Nangbah • Visited OFT on Varietal Evaluation of Peach • Setting up of traps and pruning of peach trees for OFT on Canopy Management of Peach at Ummulong village and Niriang village • Diagnosed powdery mildew in pea and aphids and cabbage butterfly in cole crops • Diagnosed disease in citrus • Diagnosed pest of peach • Diagnosed diseases of guava • Diagnosed pest of peach in Niriang • Diagnosed pest of	12.01.18 07.02.18 27.03.18 26.06.18 03.08.18 22.10.18 24.10.18 22.11.18 26.11.18	13	-	-	-	44	38	82	-	-	-	44	38	82

		cabbage in Sohphoh • Diagnosed pest of peach in Niriang • Diagnosed pest of cabbage in sohphoh														
3.	Field day	• Field day on cabbage • Field day on Broccoli • Field day on cauliflower • OFT of Canopy management of peach • Field day on vegetable based crop ping system	12.01.18 07.02.18 27.03.18 26.06.18 22.10.18	5	-	-	-	62	67	129	-		-	62	67	129
4.	Group Discussion	• Discussed with a group of farmers on scope of multiple cropping in their village • Discussed with a group of women SHGs on scope of value addition of produce and conducting of training on such topics • Discussed with farmers on prospect of value addition of Horticultural crops • Discussed with farmers on Seed Production	12.01.18 23.03.18 20.07.18 20.08.18 21.08.18	4		-	-	138	129	267	-	-	-	138	129	267
5.	Film show	• Success stories of FPOs • F ilm show on organic farming • Film show on post harvest management	23.03.18 23.10.18 26.10.18	6	-	-	-	176	142	318	-	-	-	176	142	318

		of horticultural crops • Film show on integrated faming system • Film show on nursery raising of vegetables															
6.	Scientists visit to farmers fields	• Visited cabbage growing areas • Visited OFT on Varietal Evaluation of Peach • Setting up of traps and pruning of peach trees for OFT on Canopy Management of Peach at Ummulong village and Niriang village • Visited farmers field for video recording at Niriang and Lyrnai • Visited OFT on Canopy management of peach at Ummulong • Visited OFT on Varietal evaluation of peach at Niriang • Visited demonstration field at NICRA village • Visited FLD field on Popularization of Double row planting system of pineapple • Visited OFT field of p each in Niriang • Visited OFT field on IFS	12.01.18 07.02.18 27.03.18 28.05.18 31.05.18 26.06.18 27.07.18 17.09.18 22.10.18 24.10.18	23	-	-	-	58	62	120	-	-	-	58	62	120
7.	Method demonstration	• Nursery raising of vegetables	12.10.18	8	-	-	-	158	129	287	-	-	-	158	129	287

8.	Lecture delivered	• Business counselling camps on value chain clusters • Package of practices of black pepper cultivation • Vegetable cultivation • Tomato cultivation • Cropping system • Value addition of horticultural crops • Organic production of horticultural crops • Integrated faming system • Cropping system • Physiological disorders of vegetables	12.04.18 13.04.18 16.04.18 17.04.18 28.06.18 23.10.18 26.10.18	9	-	-	-	130	155	285	-	-	-	130	155	285
9.	Farmers scientist interaction	• Interacted with farmers on conservation of local germplasm and cultivation in IFS mode of such crops • On organic farming	17.03.18 24.08.18	2	-	-	-	104	156	256	-	-	-	104	156	256
10.	Mobile Agro-Advisory (Messages/ Beneficiaries)			40				784	833	1617						
11.	Mera Gau Mera Gaurav(Training and Method Demonstration)			2				246	352	598						
Total				**128**	**-**	**-**	**-**	**1949**	**2120**	**4065**	**-**	**-**	**-**	**1949**	**2120**	**4065**
SMS(Plant Protection)																
1.	Advisory services	• Advised use of botanicals and bio-pesticides • Advised to go for liming after crop	15.1.18 17.1.18 19.1.18 31.1.18 12.02.18	39	-	-	-	48	58	106	-	-	-	48	58	106

		harvest • Advised to go for liming after crop harvest • Advised use of bio pesticides • Advised use of bio pesticides • Advised use of legumes • Spray of wettable Sulphur @ 0.2% at 14 days interval after disease incidence • Advised use of botanicals , bio pesticides and liming	14.02.18 26.02.18 27.02.18 17.04.18 30.04.18 11.05.18 28.05.18 06.06.18 19.06.18 12.07.18 27.07.18 30.07.18 02.08.18 14.08.18 24.08.18 27.08.18 29.08.18 31.08.18 04.09.18 05.09.18 06.09.18 19.09.18 24.09.18 25.09.18 17.10.18 26.10.18 14.11.18 17.11.18 26.11.18 28.11.18 16.12.18 19.12.18 20.12.18 21.12.18														
2.	Diagnostic visit	• Diagnosed aphids in cole crops • Diagnosed aphids and cabbage butterfly in cole crops	15.1.18 17.1.18 19.1.18 31.1.18 12.02.18	36	-	-	-	37	36	73	-	-	-	37	36	73

		• Diagnosed powdery mildew in pea and aphids and cabbage butterfly in cole crops • Diagnosed fruit flies in peach and late blight in potato • Diagnosed white grub • Diagnosed Aplosonyx in Colocasia • Diagnosed Late blight in Tomato and damping off symptoms in tomato nursery • Diagnosed importance of crop rotation to reduce pests and diseases • Diagnosed powdery mildew in pea • Diagnosed nematodes in groundnut, cabbage butterfly, powdery mildew in Pea • Diagnosed cabbage butterfly	14.02.18 26.02.18 27.02.18 17.04.18 30.04.18 11.05.18 28.05.18 06.06.18 19.06.18 12.07.18 27.07.18 30.07.18 02.08.18 14.08.18 24.08.18 27.08.18 29.08.18 31.08.18 04.09.18 05.09.18 06.09.18 19.09.18 24.09.18 25.09.18 17.10.18 26..10.18 14.11.18 17.11.18 26.11.18 28.11.18 16.12.18 19.12.18 20.12.18 21.12.18													

3.	Field day	• All year round Mushroom cultivation • Tomato harvesting in polyhouses • Potato • Oyster mushroom	24.01.18 22.02.18 29.03.18 30.03.18 16.05.18 30.05.18 27.06.18 24.07.18 05.09.18 17.10.18 26.10.18	11	-	-	-	59	67	126	-	-	-	59	67	126
4.	Group Discussion	• Swachta Hi Seva Programme on making compost and cleanliness and sanitation • Meeting with rural youth for skilled programme on organic farming • Meeting with ATMA,BTM	24.09.18 25.09.18 26.10.18 29.10.18 21.12.18	4	-	-	-	59	58	117	-	-		59	58	117
5.	Film show	• Pulse production • On Tuber crops • Oyster mushroom cultivation • On farm production of *Trichoderma* spp • Jevamrit preparation and botanicals preparation	15.1.18 19.1.18 20.03.18 21-27.06.18 04-10.07.18 24.10.18 25.10.18	7	-	-	-	152	182	334	-	-	-	152	182	334
6.	Scientists visit to farmers fields	• Visit OFT plot , field day and training	01.03.18 09.03.18 11.03.18 17.03.18 26.03.18	25	-	-	-	62	56	118	-	-	-	62	56	118
7.	Method demonstration	• Installation of fruit fly trap • Seed treatment of Ginger with	17.04.18 27.04.18 03.09.18 24.10.18 25.10.18	9				115	112	227	-	-	-	115	112	227

		Trichoderma spp • Training on importance of seed treatment of Pea • Jevamrit preparation and botanicals preparation														
8.	Lecture delivered as resource person	• IPM and IDM in Pulses • ITK in Paddy • Identification of diseases, pests and non insect pests • ITK • Plant protection in protected cultivation • Jeevamrit preparation • Bio pesticides for sustainable agriculture	20.03.18 28.06.18 29.06.18 20.08.18 28.08.18 10.09.18 17.09.18	8	-	-	-	38	42	80	-	-	-	38	42	80
9.	Farmer-Scientist interaction	• All year round mushroom cultivation • Safe storage of paddy seeds • Safe storage of Ginger seeds	11.05.18 16.05.18 25.05.18	3	-	-	-	177	175	352	-	-	-	177	175	352
10.	Mobile Agro-Advisory (Messages/ Beneficiaries)			40				799	895	1694				799	895	1694
11.	Leaflet/folder	• Folder released on White Grub during SAC meeting	25.01.19	1												
12.	Mera Gau Mera Gaurav(Training and Method Demonstration)	• Training on Pulse production • Training on Pulse production • Ginger seed treatment • Seeds distribution and advisories • Group discussion cum Kisan Mela	15.1.18 19.1.18 12.02.18 24.04.18 29.11.18 30.11.18 21.12.18	7	-	-	-	255	352	607	-	-	-	255	352	607

13.	NICRA (Training and Method Demonstration)	• All year round mushroom cultivation • Training on IPM and IDM in Paddy • Training and demonstration on IPM and IDM in Ginger • Safe storage of paddy seeds • Safe storage of Ginger seeds	14.03.18 06.04.18 27.04.18 20.12.18	12	-	-	-	50	60	110	-	-	-	50	60	110
	Total			**202**	-	-	-	**1851**	**2093**	**3944**	-	-	-	**1851**	**2093**	**3944**
SMS(Fisheries)																
1.	Advisory services	• Advised farmers to follow pre-stocking management practices before stocking of fishes • Advised farmers on importance of maintaining species ratio and negative effect of overstocking in composite fish culture • Advised farmers on importance of supplementary feeding in composite fish culture to achieve good growth rate within short span of time • Advised farmers on how to improve the productivity of pond and benefits of	04.04.18 12.04.18 27.04.18 02.05. 18 22.05.18 31.05. 2018 08.06.18 08.06. 18 14.06. 18 22.06. 18 29.06. 18 05.07. 18 23.-8. 18 05.10. 18 25.10. 18 08.11. 18 04.11. 18 17.11. 18	14	-	-	-	59	62	121	-	-	-	59	62	121

		adopting livestock cum fish culture. • Advised farmers on application of dried cowdung to reduce turbidity of water • Advised farmers the importance of liming and its effective measures in prevention of occurrence of disease.														
2.	Diagnostic visit	• Inspected site for conducting OFT and FLD.(Shallow water depth , , Slow growth of fishes) • Inspected site for conducting IFS(low productivity of pond) • Pond water is acidic(PH 5.5) because of lack of application of lime • Slow growth of fish because of lack of supplementary feeding and Overstocking • Turbidity high in culture pond as a result poor growth • Occurence of Epizootic ulcerative syndrome in culture pond	04.04. 18 12.04. 18 27.04. 18 22.05. 18 25.05. 18 31.05. 18 08.06. 18 14.06. 18 20.06. 18 05.07. 18 3.08. 18 05.09.18 06.09. 18 08.11. 18 04.11. 18 13.12. 18 18.12. 18	17	-	-	-	34	39	73	-	-	-	34	39	73
3.	Field day	• Field day on paddy cum fish culture • Field day on Composite fish culture	08.11. 18 04.11. 18 17.11. 18 08.12. 18 25.04.18	5	-	-	-	30	28	58	-	-	-	30	28	58

4.	Group Discussion	• Discussed with farmers on importance of pond management and introduction of improved variety of fish in composite fish farming for better production • Discussed with farmers on negative effect of overstocking and importance of maintaining stocking ratio/ha water area • Discussed with farmers on potential of adopting Paddy cum fish culture • Discussed with farmers on benefits of adopting animal based IFS	22.05.18 08.06.18 14.06.18 05.07.18 3.08.18 05.0818	3	-	-	-	122	129	251	-	-	-	122	129	251
5.	Scientists visit to farmers fields	• Inspection of site for OFT • Monitoring of OFT • Method demonstration • Monitoring of FLD Field • Data recording	04.04.18 12.04.18 27.04.18 22.05.18 25.05.18 31.05.18 08.06.18 14.06.18 20.06.18 05.07.18 3.08.18 05.09.18 06.09.18 08.11.18 04.11.18	22	-	-	-	48	60	118	-	-	-	48	60	118

			13.12.18 18.12.18													
6.	Method demonstration	• Method demonstration on prestocking management of pond • Method demonstration on monthly liming and manuring of Pond • Method demonstration on broadcasting of feed • Method demonstration on preparation of value addition in fisheries	04.04.18 12.04.18 27.04.18 02.05.18 08.06.18 14.06.18 29.06.18 05.07.18 23.08.18	9	-	-	-	126	135	261	-	-	-	126	135	261
7.	Lecture delivered as resource person	• Delivered lecture on Integrated Fish Farming • Delivered lecture on carp breeding and seed production • Composite fish culture • IFS	23.03.2018 27.04.2018 19.06.2018 21.06.2018 25.06.2018	7	-	-	-	138	153	291	-	-	-	138	153	291
8.	Farmer-Scientist interaction	• Integrated Fish farming		2	-	-	-	153	126	291	-	-	-	153	126	291
9.	Vocational training	• Vocational training for Orphanage	11.01.18- 12.01.18	1	-	-	-	10	10	20	-	-	-	10	10	20
10.	Mobile Agro-Advisory (Messages/ Beneficiaries)			50	-	-	-	849	943	1851	-	-	-	831	866	1697
11.	Mera Gau Mera Gaurav(Training and Method Demonstration)			2	-	-	-	254	345	599	-	-	-	254	345	599
12.	Leaflet/folder															
Total				**132**	**-**	**-**	**-**	**1823**	**2030**	**3934**	**-**	**-**	**-**	**1823**	**2030**	**3934**
SMS (AH& Vet.)																

1.	Diagnostic visit	• Visit to IFS unit • Construction of deep litter pig sty • Treatment of diarrhea and mange in pigs	5.03.19	**2**	-	-	-	9	9	18	-	-	-	9	9	18
2.	Film Show	• Clipping of needle teeth in piglets	12.03.19	2	-	-	-	7	21	28	-	-	-	7	21	28
3.	Exposure visit	• Visit to ICAR Umiam • Visit to Egg laying cabin, Mawsiatkhnam • Visit to RRTC Umran • Visit to KVK Baramati , Pune (under HRD Program	1.2.19 4.3.19 17.3.19 17-24.3.19	5	-	-	-	164	162	326	-	-	-	164	162	326
4.	Mobile Agro-Advisory (Messages/ Beneficiaries)			30				327	361	688						
Total				**39**	**-**	**-**	**-**	**507**	**553**	**1060**	**-**	**-**	**-**	**507**	**553**	**1060**
SMS (Agril.Extension)																
1.	Diagnostic visit	• Visit to IFS field, management of self help group, farmer's loan	20.12.18 09.01.19	1	-	-	-	6	6	12	-	-	-	6	6	12
2.	Scientist visit to farmers field		8.12.19 5.03.19 12.03.19 24.2.19 8.03.19	5				20	22	42	-	-	-	20	22	42
3.	Lecture delivered as resource person	• Telecast/Webcast of inauguration of PM Kisan Samman Nidhi	30.01.19- 31.01.19 24.2.19	4	-	-	-	132	163	295				132	163	295

		• Mini Reagan Krishi Mela at Sericulture Training Institute Ummulong • Training on "Public Private Partnership in Agricultural Extension Reforms" organized by MAMETI for ATMA personnel.	8.03.19														
4.	Mobile Agro-Advisory (Messages/ Beneficiaries)			40				364	317	681							
	Total			**50**	**-**	**-**	**-**	**522**	**508**	**1030**	**-**	**-**	**-**	**522**	**508**	**1030**
1.	Celebration of important days	• Celebration of World environment day • Celebration of Kisan Divas day • International Youth Day • World Environment Day • Celebration of World Food day • World Soil health Day • National Productivity week • Swachhta Pakhwada	05.06.18 13.8.18 15.10.18 16.10.18 05.12.18 23.12.18 10.02.19	8	-	-	-	587	643	1230	-	-	-	587	643	1230
2.	Newspaper coverage	-		7	-	-	-	4	2	6	-	-	-	4	2	6
3.	Radio talk	• Jeevamrit preparation • Steps towards doubling farmers income • Eco- friendly management of white grub • Discusssion on Scientific Pig farming	31.07.18 9.03.19	6												

		• Talk on hygienic measures in pig farming														
4.	Awareness camp	• On conservation agriculture • Awareness on Prime Minister Fasal Bima Yojna	15.05.18	2	-	-	-	124	137	261	-	-	-	124	137	261
5.	Farmers seminar/ workshop	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.	Exhibition	• Exhibition cum awareness programme on Tuber crops	20.03.18 30.05.18	2	-	-	-	135	150	285	-	-	-	135	150	285
7.	Kisan Mela			1				135	166	301				135	166	301
8.	Group Meeting			10				150	150	300						
9.	Soil & Plant Analysis															
10	Newsletter															
11.	Seeds and planting materials	• Paddy seeds :5 kgs • Soyabean seeds: 25 kgs for intercropping with turmeric and ginger • Tomato,brinjal and capsicum planting materials • Distributed 1000 cabbage seedlings	28.03.18 30.03.18 16.05.18	1	-	-	-	2	2	4	-	-	-	2	2	4
12.	Farmer's vivit to KVK			134												
	Total			**208**	**-**	**-**	**-**	**1137**	**1250**	**2387**	**-**	**-**	**-**	**1137**	**1250**	**2387**
	GrandTotal			**867**				**9896**	**10773**	**20669**				**9896**	**10773**	**20669**
	Any other (Please specify)	• All SMS conducted SAC meeting on the 16th.1.18 • SMS (Agronomy) & SMS (Plant Protection) attended 2days workshop on the 29th -30th January, 2018 on "Organic farming • SMS (Horticulture) attended training on Post Harvest Management & Value addition in Horticultural Crops during January 16th to 20th, 2018 at IIHR Bangalore and Soil enrichment" at MAMETI, Upper Shillong • SMS (Fisheries) & SMS Horticulture attended Annual zonal Action Plan Workshop held at Imphal from 10th-11th March 2018 • SMS (Horticulture) participated in the Annual Action plan Workshop														

		• SMS (Horticulture) participated in the Webcasting of Prime Minister's Speech (Live Telecast Conference of Krishi Unnati Mela 2018) • SMS (Plant Protection) attended the KVK National Conference at IARI, New Delhi from the 15-17.03.18 • SMS (Fisheries) and SMS (Plant Protection) attended NICRA Workshop held at Ri-Bhoi KVK from 25th-26th April 2018 • SMS (Agronomy) celebrated Kisan Kalyan Karyashala under Gram Swaraj Abhiyan under ATMA in collaboration with Department of Agril. West Jaintia Hills in Laskein and Amlarem Block on the 2.5.18 • SMS (Agronomy) attended meeting with Director ATARI Zone VII and Dalmia cement at Horticulture Hub, Thadlaskein • SMS (Agronomy) Attended Meeting of AIR on Kisan Vani at ICAR NEH region • SMS (Plant Protection) Visit by Director ATARI Zone VII on 01.06.18 (Together meeting with Dalmia Cement) • SMS (Plant Protection) attended ATMA inauguaration of TREYSEFA on 11.06.18 • SMS (Plant Protection) attended video conference interaction (Farmers with Honorable Prime Minister) • SMS (Fisheries) attended meeting on 13th July 2018 held at KVK, East Khasi hills • SMS (Fisheries) attended meeting on 18th July 2018 held at Governor House Shillong • SMS (Horticulture) attended meeting with DC East Jaintia hills on National Mission for Sustainable Agriculture • SMS (Agronomy) participated in Capacity Building Training at ASCI Hyderabad 8th to 14th July 2018 • SMS (Agronomy) attended KVK review meeting at raj Bhawan18th July 2018 • SMS (Agronomy) attended ATMA Induction Programme at MAMETI Upper Shillong19th to 20th July 2018 • SMS (Agronomy) attended NICRA meeting at Umjalasiaw Village on the 27th,July 2018 • SMS (Plant Protection) attended video conferencing with Hon'ble PM cum awareness 12.07.18 • SMS (Plant Protection) attended the ATMA induction and orientation programme at MAMETI, Shillong19.07.18 • SMS (Fisheries) collected fingerlings from ICAR on 2nd August, 2018 • SMS (Fisheries)& SMS (Agronomy) attended training at ICAR, Umiam on Operation of Atomic Absorption Spectrophotometer from 20.08.18-21st.08.18 • SMS (Fisheries)& SMS (Horticulture) attended Model training course on emerging role and challenges of women officials in North East India from 28th to 4th Sept,2018 • SMS (Horticulture) attended awareness programme on conservation agriculture on the 10 August 2018 held at Lyrnai village • SMS (Horticulture) participated in farmers scientists interaction on organic farming on the 24th August held at Nongkhroh village • SMS (Plant Protection) attended an interview and film making with Doordarshan for National award nominee on 20.08.18 • SMS (Fisheries) attended training at ICAR, Umiam on Model Training course from 28.08.18-4.09.18 • SMS (Horticulture) participated in the Biskot and Sohiong festival on the 21st September 2018 at Shillong • SMS (Plant Protection) attended TOT at ICAR RC for NEH Region organized by Agricultural Skill Council of India13-15.09.18 • SMS (Plant Protection) attended the Farmer portal launch in Shillong on the 08.10.18 • SMS (Plant Protection) attended NICRA workshop in KVK, Ri- Bhoi on the 11.10.18 • SMS (Agronomy) attended 3days at IARI Delhi on Hydroponics from 15-17th Nov,2018)

		• SMS (Agronomy) attended short term model course training on Integrated farming System at AAU Jorhat from 18-26th Nov,2018) • SMS (Plant Protection) attended Mushroom festival organized by Horticulture department on the 05.11.18 • SMS (Agronomy) participated in the Exhibition cum Seminar on horticulture crops organised by DHO EJH held at Khliehriat on the 13th December 2018 • SMS (Agronomy) participated in the Orange Festival organised by Directorate of Horticulture held at Khliehriat on the 14h December 2018 • SMS (Plant Protection) attended the 5 days training programme on Biological control for pests management in NE region organized by ICAR- NBAIR, Bengaluru from the 03-07.12.18

3.5 Production and supply of Technological products during 2018-19

A. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Number of recipient/ beneficiaries		
					General	SC/S T	Total
CEREALS	Paddy	CAU R1	5	17500		40	**40**
	Maize	Local Maize	5	10000		50	**50**
VEGETABLES	French bean	Local pole type	1	30000		100	**100**
	Pea	Local pole type	1	30000		100	**100**
	Tomato	Arka Meghali	0.01	2500		10	**10**
	Chilli	Arka Lohit	0.01	2500		10	**10**
OILSEEDS	-	-	-	-		-	**-**
PULSES	Groundnut	ICGS 76	4.8	12000		40	**40**
SPICES	Ginger	Nadia	5	25000		5	**5**
	Turmeric	Lakadong	5	25000		5	**5**
TUBER CROP	Potato	Kufri Jyoti	1 5	30000		15	15
		Kufri Girdhari	5	10000		5	5
FLOWER CROPS							
OTHERS (Specify)							

A1. SUMMARY of Production and supply of Seed Materials during 2018-19

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	10	10	27500		40	40
2	OILSEEDS					50	50
3	PULSES	4.8	4.8	12000		40	40
4	VEGETABLES	2.02	2.02	65000		270	270
5	FLOWER CROPS					-	-
6	SPICES	10	10	50000		10	10
7	TUBER CROP	20	20	40000		20	20
TOTAL		**47**	**47**	**1,94,500**		**380**	**380**

B. Production and supply of Planting Materials(Nos. in No.) during 2018-19

Major group/class	Crop	Variety	Quantity (In No.) produced	Quantity (In No.) supplied	Value (Rs.) of quantity produced	Number of recipient/ beneficiaries		
						General	SC/ST	Total
Fruits								
Spices								
Tuber crop								
Ornamental Plants								
Vegetables	Brocolli	**Aishwarya**		4000	4000		50	50
	Cabbage	**MHY-139**		4000	4000		50	50
Forest Spp.								
Plantation crops								
Medicinal plants								
OTHERS (Pl. Specify)								

C. Production of Bio-Products during 2018-19

Major group/class	Product Name	Species	Target	Produced Quantity		Value (Rs.)	Number of Recipient /beneficiaries		
				No	(qt)		General	SC/ST	Total
BIOAGENTS	-	-		-	-	-	-	-	-
BIOFERTILIZERS	Vermicompost	Eisenia foetida		-	1120 kg	16800	-	2	2
BIO PESTICIDES	-	-		-	-	-	-	-	-
LIVESTOCK	Fingerlings	Common carp seeds	7000	10,000		20000		1000	1000

D. Production of livestock during 2018-19

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

3.6. Literature Developed/Published (with full title, author & reference) during 2018-19

(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
Research papers				
1.				
2.				
3.				
Training manuals				
Technical Report				
1.				
2.				
3.				
Book/ Book Chapter				
Popular articles				
Technical bulletins				
Extension bulletins				
Newsletter				
Conference/ workshop				

proceedings				
Leaflets/folders	Importance of traditional seeds.	Smt. Ridalang Rangad	1000	
	Hydroponics	Smt. Risakaru Lyngdoh	1000	
	Soil Sampling Technique	Smt. Risakaru Lyngdoh	1000	
	Soil Health Card	Smt. Risakaru Lyngdoh	1000	
e-publications				
Any other (Pl. specify) Newspaper clipping	4nos			
TOTAL	**-**		**4000**	

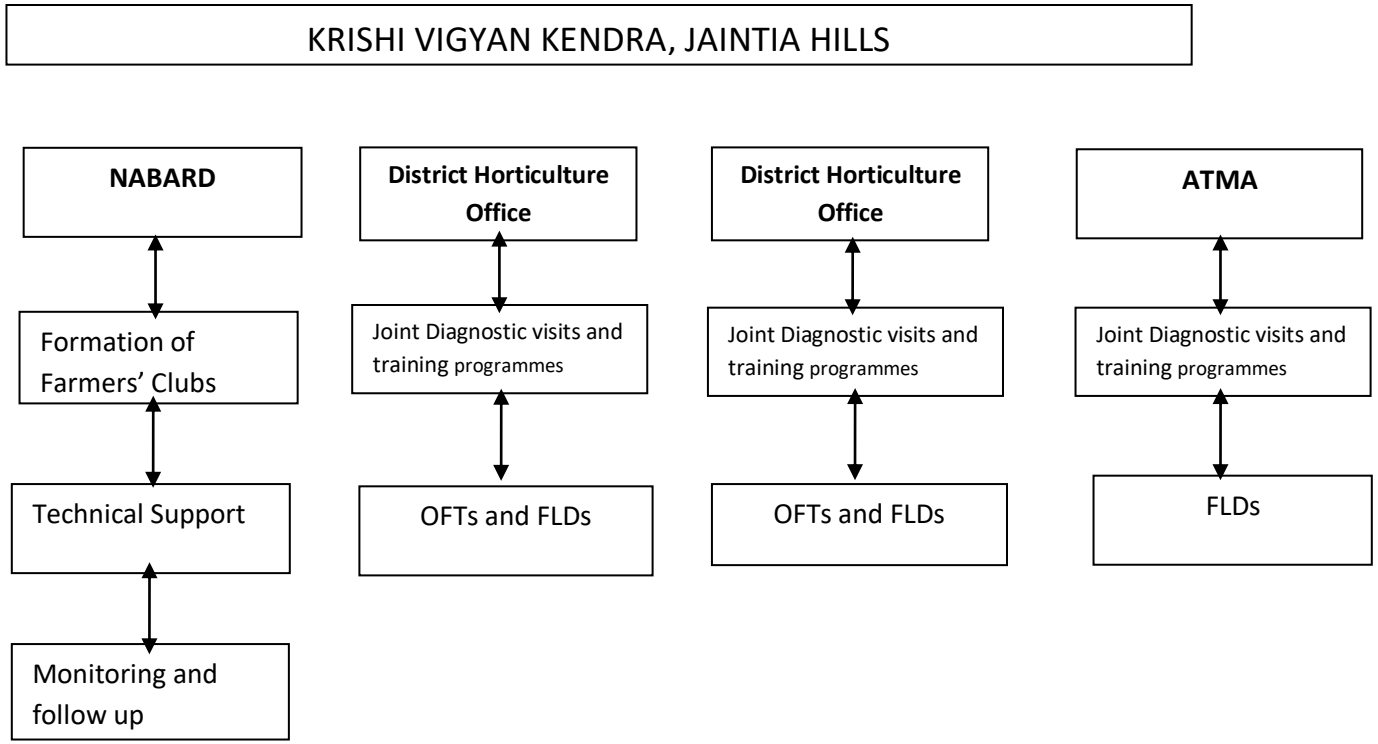
N.B. Please enclose a copy of each. In case of literature prepared in local language, please indicate thetitle in English

(C) Details of Electronic Media Produced

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

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

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



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

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

- Identification of courses for farmers/farm women

i. PRA
ii. Field visit/ Diagnostic visit

iii. Focus group discussion
iv. Farmers Visit to KVK
v. Discussion with Department Officials

- Rural Youth

i. PRA
ii. Focus group discussion
iii. Youth Visit to KVK
iv. Discussion with NYKS Officials

- Extension personnel

i. Focus group discussion
ii. Meetings
iii. Discussion with Department Officials

3.11 Field activities

i. Number of villages adopted: 25
ii. No. of farm families selected:50
iii. No. of survey/PRA conducted

3.12. Activities of Soil and Water Testing

Status of establishment of Lab : Nil

1. Year of establishment : Nil
2. List of equipments purchased with amount : Nil

Sl. No	Name of the Equipment			Qty.	Cost
	S&WT lab	Mini lab/ Mridaparikshak	Manufacturer		
1					
2					
3					
Total					

3. Details of samples analyzed (2018-19):

Details	No. of Samples analysed	No. of Farmers	No. of Villages	Amount (In Rupees) realized
Soil Samples	531	531	9	-
Water Samples	-	-	-	-
Plant Samples	12	12	5	
Petiole Samples	-	-	-	
Total	**543**	**543**	**14**	

4. Details of Soil Health Cards (SHCs) (2018-19)

a. No. of SHCs prepared: 543
b. No. of farmers to whom SHCs were distributed: 543
c. Name of the Major and Minor nutrients analysed:
d. No. of villages covered: 9 nos.

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	200	6000	30	1800							10	200	240	8000
Voice only														
Voice and Text both														
Total	**200**	**6000**	**30**	**1800**							**10**	**200**	**240**	**8000**

3.14 Contingency planning for 2018-19

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
	Introduction of new variety or crop				
	Introduction of Resource Conservation Technologies				
	Distribution of seeds and planting materials				
	Any other (Please specify)				

a. Livestock based Contingency planning

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

4.0. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

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

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

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

5.0. LINKAGES ESTABLISHED

5.1 Functional linkage with different organizations established during 2018-19

Name of organization	Nature of linkage
1.District Agricultural Office(East Jaintia Hills District and West Jaintia Hills District)	Diagnostic services, meetings, Joint implementation of OFTs & FLDs, Training Programme, etc.
2. District Horticulture Office (East Jaintia Hills District and West Jaintia Hills District)	Diagnostic services, meetings, Joint implementation of OFTs & FLDs, Training Programme, etc.
3.NABARD	Participation in meetings, Formation & Mobilizing Farmer's clubs, Selection of Cluster Villages, sponsored exposure trip for farmers
5.Soil and water conservation ,West Jaintia Hills District	Participation in meeting
6.District Veteniary Office	Participation in meeting, Convergence of programmes

7. District Fishery Office	Participation in meeting, convergence of programmes
8.Research Office, Dept Of Agril, West Jaintia Hills District	Convergence of programmes
9. ATMA	Diagnostic services, meetings, Joint implementation of OFTs & FLDs, Training Programme, etc.
10.Spice Board	Training
11.District Sericulture Office	Training and Demonstration

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 2018-19

Sl. No.	Name of special program	Major Activity	Duration and Date	No. of participants	Special Dignitary (pl. mention the name if any)	Funding agency/ Sponsoring orgn.	Amount (Rs.) received
1.	Kisan Kalyan Karyashala		02.05.18	350	Miss. G. D. Dkhar State Project Coordinator ATMA		
2.	World Environment Day		5.06.18	150	Miss Blah, Block Development Officer		
3.	International Youth Day		13.08.18	90	Smt. B. Majaw District Horticulture Officer		
4.	Swachhta Hi Sewa		15.09.18 - 2.10.18	148	Smt. R. Blah Sub Divisional DAO		
5.	Mahila Kissan Divas		15.10.18	38	Smt. B. Majaw District Horticulture Officer		
6.	World Food Day		16.10.18	52	Shri. D.M. Wahlang Project Director DRDA		

7.	Swachhta Pakhwada		16.12.18 - 23.12.2018	135	HDO, Thadlaskein		
8.	National Productivity Day		12.02.2019	48	PD, ATMA West Jaintia Hills		
9.	Telecast/Webcast of inauguration of PM Kisan Samman Nidhi Scheme		24.02.19	20			
10.	Celebration of Kisan Divas		21.12.18	60	Smt. B. Majaw District Horticulture Officer		
11.	World Soil Health Day		5.12.18	120	Headman of Tpeppale Jowai		
12.	Kisan Mela		30.05.18	150	Shri. Kyrmen Shylla, MLA		
13.	Celebration of Kisan Divas		21.12.18	60	Smt. B. Majaw District Horticulture Officer		

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No: **Yes**

Sl. No.	Programme	Nature of linkage	Remarks
1	Farmers field school	Resource person	Year 2018-19
2	Training for rural educated unemployed youth	Resource person	Year 2018-19
3	Skilled training for rural youth	Resource person	Year 2018-19
4	Celebration of important days	As sponsor	World food day, soil health day
5	Diagonostic visits	Experts	Year 2018-19
6	Demonstration	Resource person	Year 2018-19

5.4 Give details of programmes implemented under National Horticultural Mission

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

5.5 Nature of linkage with National Fisheries Development Board

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2018-19

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	-	-	-						
2	-	-	-						

6.2 Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Rice	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	-	-	-
Any other	-	-	-	-	-	-	-	-	-
Pulses									

Green gram	-	-	-	-	-	-	-	-	-
Black gram	-	-	-	-	-	-	-	-	-
Arhar	-	-	-	-	-	-	-	-	-
Lentil	-	-	-	-	-	-	-	-	-
Ay other	-	-	-	-	-	-	-	-	-
Oilseeds									
Mustard	-	-	-	-	-	-	-	-	-
Soy bean	-	-	-	-	-	-	-	-	-
Groundnut	-	-	-	-	-	-	-	-	-
Any other	-	-	-	-	-	-	-	-	-
Fibers									
i.	-	-	-	-	-	-	-	-	-
ii.	-	-	-	-	-	-	-	-	-
Spices & Plantation crops									
i.	-	-	-	-	-	-	-	-	-
ii.	-	-	-	-	-	-	-	-	-
Floriculture									
i.	-	-	-	-	-	-	-	-	-
ii.	-	-	-	-	-	-	-	-	-
Fruits									
i.	-	-	-	-	-	-	-	-	-
ii.	-	-	-	-	-	-	-	-	-
Vegetables									
i.	-	-	-	-	-	-	-	-	-
ii.	-	-	-	-	-	-	-	-	-
a. Others (specify)									
i.	-	-	-	-	-	-	-	-	-
ii.	-	-	-	-	-	-	-	-	-

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	
-	-	-	-	-	-
-	-	-	-	-	-

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	
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Unit/ structure

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

6.6. Utilization of hostel facilities (Month-Wise) during 2018-19

Accommodation available (No. of beds):

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

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

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location/ Branch	Account Number
With Host Institute			
With KVK	Meghalaya Co-operative Apex Bank	Shillong Main Branch	1710000244033259
Revolving Fund			

7.2 Utilization of funds under CFLD on Oilseeds and Pulses*(Rs. In Lakhs) if applicable during 2018-19*

Item	Released by ICAR/ATARI (in lakh)		Expenditure (in lakh)		Unspent balance as on 31st March, 2019
	Amount	Amount	Amount	Amount	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

7.3 Utilization of KVK funds during the year 2018-19

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	**Pay & Allowances**	95.00	95.00	92,26,135.00
2	**Traveling allowances**	3.00	3.00	3,00,000.00
3	**HRD**	1.10	1.10	1,10,000.00

4	**Contingencies**	17.00	17.00	17,00,000.00
5	**Office Contingencies**	5.95	5.95	5,95,000.00
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments			
5	**Working Contigencies**	11.05	11.05	11,05,000.00
C	Meals/refreshment for trainees			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)		116.10	116.10	1,13,36,135.00
B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipments including SWTL & Furniture**	**0.30**	**0.30**	30,000.00
a.	Need based equipmentsas per EFC approved list of equipments approved	0.30	0.30	30,000.00
3	**Vehicle** (Four wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)		0.30	0.30	30,000.00
C. REVOLVING FUND		-	-	-
GRAND TOTAL (A+B+C)		**116.40**	**116.40**	**1,13,66,135.00**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance with KVK (in lakh)
April 2015 to March 2016	Nil	Nil	Nil	Nil
April 2016 to March 2017	Nil	Nil	Nil	Nil
April 2017 to March 2018	Nil	Nil	Nil	Nil
April 2018 to March 2019	Nil	Nil	Nil	Nil

Note: No KVK must leave this table blank

8.0 Please include information which has not been reflected above.

(Write in detail)

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

(a) Administrative: Absence of staff and permanent office campus hinder implementation of the programme
(b) Financial: Delayed disbursement of funds hinders the smooth functioning of activities
(c) Technical: Non-availability of quality seeds and planting materials, staff position is not full, etc.

(Signature)
Sr. Scientist cum Head
KVK Jaintia Hills