ANNUAL PROGRESS REPORT

(APRIL 2016 – MARCH 2017)

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Umroi Road, Umiam-793 103, Meghalaya

1PROFORMA FOR ANNUAL REPORT OF KVKS, 2016-17

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, Ri Bhoi ICAR Research Complex for NEH Region, District - Ri-Bhoi, Meghalaya – 793 103	0364-2570011	0364-2570011	www.kvkribhoi.nic.in pckvkribhoi@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Director, ICAR Research Complex for NEH Region, Umiam, Meghalaya – 793 103	0364- 2570257, 09436349035	0364 - 2570363	www.icarneh.ernet.in director@icarneh.ernet.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. M. Mokidul Islam		+919089611347	pckvkribhoi@gmail.com

1.4. Year of sanction: 9-21/2002-AE-I dated 31st July, 2002

1.5. Staff Position **(As on 31st March, 2017)**

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	Dr. M. Mokidul Islam	Senior Scientist and Head	Agronomy	37,400- 69100 +9000	47,800	01-10-2015	Permanent	Gen
2	Subject Matter Specialist	Dr. Utpal Barua	Subject Matter Specialist (T-7-8)	Horticulture	15,600-39,100 +6600	30,490	04.07.2006	Permanent	Gen
3	Subject Matter Specialist	Ms. Meghna Sarma	Subject Matter Specialist (T-6)	Agronomy	15,600-39,100 +6600	30,490	04.07.2006	Permanent	Gen
4	Subject Matter Specialist	Mrs. Mousumi Gohain Das	Subject Matter Specialist (T-7-8)	Plant Protection	15,600-39,100 +6600	30,490	06.07.2006	Permanent	SC
5	Subject Matter Specialist	Mrs. Eliza Syiemlieh	Subject Matter Specialist(T-7-8)	Home Science	15,600-39,100 +6600	30,490	01.08.2006	Permanent	ST
6	Subject Matter Specialist	Dr. (Mrs.) Popiha Bordoloi	Subject Matter Specialist(T-6)	Soil Science	15,600-39,100 +5400	25,080	01.12.2015	Permanent	Gen
7	Subject Matter Specialist	NA	NA	NA	NA	NA	NA	NA	NA
8	Programme Assistant	NA	NA	NA	NA	NA	NA	NA	NA
9	Computer Programmer	Mr. Pynshaitbor Jana	Programme Assistant T-4	Computer Science	9,300 – 34,800 + 4200	16,140	14.05.2010	Permanent	ST
10	Farm Manager	Mr. Albertson L. War	Farm Manager T-4	Plant Pathology	9,300 – 34,800 + 4200	13,910	NA	NA	NA
11	Accountant / Superintendent	NA	NA	NA	NA		NA	NA	NA
12	Stenographer	NA	NA	NA	NA		NA	NA	NA
13	Driver	Mr. K. B. Thapa	Driver	NA	5200-20200 +2000	12,230	12.06.2006	Permanent	Gen
14	Driver	NA	NA	NA	NA		NA	NA	NA
15	Supporting staff	Mr. Badal Suklabaidya	SSS Gr. III	NA	5200-20200 +2000	13,360	10.06.2010	Permanent	Gen
16	Supporting staff	Mr.Wakil Rai	SSS Gr. I	NA	5200-20200 +1800	9,350	06.12.2006	Permanent (Attached with HQ)	NA
	Total	**11 + 1(attached with HQ)**							

1.6. a. Total land with KVK (in ha) : 3.088

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

c. Total cultivated land (in ha): 3.00

S. No.	**Item**	**Area (ha)**
1	Under Buildings	518 m^2
2.	Under Demonstration Units	NA
3.	Under Crops (Cereals, pulses, oilseeds etc.)	2.42
4.	Under vegetables	0.58
5.	Orchard/Agro-forestry	NA
6.	Others (specify)	NA

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	Dec 2009	518	48.22 lakh	Sept, 07	NA	Completed
2.	Farmers Hostel	ICAR	Dec 2009	309	38.28 lakh	Sept, 07	NA	Completed
3.	Staff Quarters (6)	NA	NA	NA	NA	NA	NA	NA
4.	Demonstration Units (2)	NA	NA	NA	NA	NA	NA	NA
5	Fencing	NA	NA	NA	NA	NA	NA	NA

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero	2004	497523.00	1,69,582	Needs replacement
Kamco Power Tiller	2005	173265.00	NA	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Photocopier	2010	155000.00	Purchased in exchange with previous one
Computer	2004	47970.00	Needs replacement
UPS	2004	3226.00	Good
Inkjet printer	2004	16940.00	Good
External CD writer	2004	13472.00	Needs repairing
LCD Screen	2004	10500.00	Needs replacement
Digital camera	2010	13990.00	Good
H.P. Scanner	2004	32610.00	Good
Sony digital camera	2004	60470.00	Good
Automatic slide projector	2004	21000.00	Good
Over Head projector	2004	16500.00	Good
T.V.	2004	18200.00	Good
VCD	2004	9500.00	Good
Refrigerator	2004	12200.00	Good
Generator	2005	37840.00	Good
Weighing balance	2003	850.00	Good
Oven Inalsa	2004	5170.00	Good
Laser printer	2005	30846.00	Needs repairing
Laptop Computer	2005	68502.00	Needs repairing
LCD projector	2012	48492.00	Good
Sofa set	2005	25000.00	Needs replacement
Center table	2005	4500.00	Good
PA system	2005	42257.00	Good
Juicer	2006	2700.00	Good
Speaker	2006	15246.00	Good
Speaker	2006	2130.00	Good
Sewing machine	2006	8400.00	Good
Sewing Machine	2010	-	Received from head office
Computer	2006	50725.00	Good
UPS	2006	9500.00	Good
Fax machine	2006	7500.00	Good
Vizualizer (Digital presenter)	2006	257006.00	Good
Interactive board	2007	292762.00	Good
Pedestal fan	2006	3580.00	Good
Usha lexus heat convector	2003	1440.00	Good
USB floppy drive	2004	1650.00	Good
Inkjet printer	2004	Free	Good
Laser printer	2005	Free	Good
Lexus juicer	2003	1893.00	Good
Hand compression sprayer	2003	2252.00	Good
Groundnut decorticator	2006	1900.00	Good
Duster	2003	1191.00	Good
Laminar Air Flow	2011	46320	Working
BOD Incubator	2011	65787	working
Mridaparishok (Soil Testing Kit)	2016	75,000	working
Digital camera	2017	50000	Working

1.8. A). Details SAC meeting* conducted in the year 2016-17

Sl. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken on last SAC recommendation
1.	12.4.2016	1. Dr. Satish Chandra, Director Incharge, ICAR RC for NEH Region, Umiam - Chairman 2. Dr. A.K. Tripathi, Nodal Officer of KVKs, ICAR RC for NEH Region Umiam 3. Dr. M. Mokidul Islam, Programme Coordinator, KVK Ri Bhoi- Member Secretary 4. Shri F. M. Kharsyntiew, PD ATMA, Nongpoh 5. Shri K. B. Lakiang, Astt. Director, Department of Horticulture, Nongpoh, Meghalaya 6. Shri. F. Syiemiong, ASWCO, Nongpoh, Meghalaya 7. Dr. A. K. Jha, Senior Scientist, Division of Horticulture, ICAR RC for NEH Region 8. Mrs. Aimedalin M. Pyrtuh, ADO, Umsning C&RD Block, Govt. of Meghalaya 9. Dr. Bagish Kumar, Scientist, ICAR-ATARI, Zone III, Umiam 10. Dr. N. Peetambari, Scientist, ICAR RC for NEH Region, Umiam 11. Dr. Aabon Yamtham, Scientist, ICAR RC for NEH Region, Umiam 12. Dr. P. Gojendro Singh, Scientist, ICAR RC for NEH Region, Umiam 13. Dr. E. Lamalakshyami Devi, Scientist, ICAR RC for NEH Region, Umiam 14. Dr. Ghanashyam Singh Y, Scientist, ICAR RC for NEH Region, Umiam 15. Dr. Ph. Romen Sharma, Scientist, ICAR RC for NEH Region, Umiam 16. Dr. H. Dayananda Singh, Scientist, ICAR RC for NEH Region, Umiam 17. Mrs. V. Maring, Farmer, Kyrdem village 18. Mr. Remius Kharsati, Farmer, Kdonghulu village 19. Dr. Utpal Barua, SMS, Horticulture, KVK Ri Bhoi 20. Ms. M. Sarma, SMS, Agronomy, KVK Ri	• Name of the villages undertaken up by KVK should be mentioned in the report. • All the recommendations should be circulated among the members of the Scientific Advisory Committee. • The action taken report should be specified fully and all the recommendations of the previous SAC meeting should be represented in the action taken presentation • OFT in field Pea for seed yield should be taken up covering maximum 5 farmers and the actual results should be documented properly • OFT on Bee Hive Briquette more parameters like smoking, health hazard and energy consumption should be taken up for comparison between the technology demonstration and farmers practice. • OFT on Management of Cabbage Butterfly should be clarified and the results of each treatment should be documented separately. • Varieties of crops that are 10 years old should not be used for FLD. • Proper matrix ranking should be done so that criteria for the rejection of the variety by the farmers can be understood fully and Shahsharang variety could be replaced by RCM-10 variety • The temperature and humidity of inside and outside of zero energy cool chamber should be recorded in weekly basis and SMS, Horticulture should collaborate with SMS Home Science for this demonstration. • OFT on Brinjal under Horticulture Bholanath or Singnath variety can be taken up and the crop in	• Included in Annual Report as per format • Proceeding and recommendation has been circulated to each member • Followed accordingly • Properly recorded and pod yield has been converted to seed yield • The technology is smokeless and CO, CO2, CH4 etc are within the permissible limit. (0.05 to 0.1 '; 0.1 to 0.5% & 100-200ppm, respectively) • Documented and presented in last year Annual Report • Recent Varieties like RCM 10, RCM 7, RCM 76 etc has been used • RCM 10 & RCM 7 paddy variety has been used in FLDs/OFTs • ZECC to be taken up in 2017-2018 • Upon availability of seed these programmes can be taken up in

		Bhoi 21. Mrs. E. C. Syiemlieh, SMS, Home Science, KVK Ri Bhoi 22. Dr. (Mrs.) Popiha Bordoloi, SMS, Soil Science, KVK Ri Bhoi 23. Mr. Pynshaitbor Jana, Computer Programmer, KVK Ri Bhoi 24. Mr. B. P. Khnogjee, Lab Assistant, KVK Ri Bhoi 25. Mr. A. L. War, Farm Manager, KVK Ri Bhoi 26. Ms. G. Nongtdu, SRF(NICRA), KVK Ri Bhoi 27. Dr. (Ms.) S. Rai, SRF (NICRA), KVK Ri Bhoi	OFT under Horticulture should be changed from cabbage to cauliflower and Pusa Agathi variety can be taken up • OFT under soil science head in the new action plan should be reviewed again and instead of Rajmah other crops like Tomato or Capsicum should be taken up and regarding OFT on Okra it is suggested that instead of Okra other major crops with organic technology should be taken up • Under soil science the soil fertility management should be undertaken in OFT & FLDs as a whole • FLD under plant protection in the new action plan should be modified • Common variety of crops preferred by the farmers should be assessed by the KVK. • Demonstrations on winter Paddy should be taken up using paddy variety Gomti or Naveen. • Frontline demonstration on tomato variety Megha Tomato-2 & 3 under Horticulture should be taken up. • Frontline demonstration on Colocasia variety Mukhta Keshi under Horticulture should be taken up. • Collaborative training programmes with the line departments should be taken up.	2017-2018 • OFT on tomato & Capsicum has been taken up • Fertility management activities are being taken • Modifications done as per requirement of the farmers • Mostly common varieties preferred by farmers have been taken as control. Winter paddy has been taken up • Megha Tomato 2 under polyhouse & MT 3 under open condition was taken up • Colocasia variety Muktakeshi has been multiplied & produced 3 q last year in KVK Farm and FLD will be undertaken during 2017-18 • Collaborative activities are being taken up

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

2. DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1.	Agri + Horti+ AH+ Fishery
2.	Agri+ Horti+ AH
3.	Agri+ Horti
4.	Agri + Seri + Horti + AH
5.	Agri + Horti + AH + Seri
	Enterprises: 1. Agri – Paddy, Maize 2. Horti – Tomato, Ginger, Turmeric, Cabbage, cauliflower, chilies, pineapple, strawberry 3. AH & Vety – Poultry, Pig, Rabbit 4. Fishery – Polyculture 5. Seri – Mulberry silk worm

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

S. No	Agro-climatic Zone	Characteristics
1	Subtropical hill zone	400-1200 m MSL, Temperature: 32ºC-12ºC, All area of Ri - Bhoi district except southern part
2	Mild tropical hill zone	200 - 800 m MSL, Temperature: 30 - 12ºC**,** Southern part of district

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Dark reddish brown	The soils are derived from Gneissic complex parent materials: they are dark reddish brown in colour varying in depth from 20-200 cm. The texture of soils varies from loamy to fine loamy	NA

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

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1	Ginger	979	9704	9912
2.	Turmeric	121	782	6463
3.	Tapioca	43	259	6023
4.	Banana	898	15215	16943
5.	Papaya	160	1296	7538
6.	Pineapple	3669	40385	11007
7.	Potato	28	168	6000
8.	Arecanut (green)	151	93	616
9.	Khasi mandarin	233	835	3584
10.	Assam lemon	45	326	7244
11.	Pummelo	45	443	9844
12.	Tea leaf	1118	894	800
13.	Black pepper	147	87	592
14.	Sweet potato	146	851	5829
15.	Cowpea	3	2	667
16.	Green chilli	93	144	4955
17.	Beans	48	413	5563
18.	Carrot	4	48	12000
29.	Cabbage	26	246	9462
20.	Cauliflower	23	301	13087
21.	Brinjal	29	210	7241
22.	Pumpkin	56	371	6623
23.	Tomato	166	1723	10380
24.	Knoll khol	18	150	8333
25.	Capsicum	84	546	6500

2.5. Weather data

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
Apr-16	138.35	30.6	12.6	100	29
May-16	181.1	31	13.5	100	38
Jun-16	100.4	31.2	19.1	100	42
Jul-16	441.5	33.9	19.1	97	42
Aug-16	262.75	32.7	19.7	97	50
Sep-16	279.65	31.9	18.2	100	47
Oct-16	140.6	29.3	12.4	100	35
Nov-16	6	29.3	11.5	100	28
Dec-16	0	23.4	15.3	100	43
Jan-17	7.5	23	7.9	100	40
Feb-17	12.5	24.6	10	100	41
Mar-17	5.6	25.6	12	100	53

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

Category	Population	Production	Productivity
Cattle			
Crossbred	13,188	20,420 tone milk	7.492 kg/milch cow
Indigenous	69,933	2,970 tone milk	0.421 kg/milch cow
Buffalo	3,289	470 tone milk	1.054 kg. /milch cow
Sheep			
Crossbred	-	70 tone meat (sheep +goat)	8.88 kg body weight/animal/year
Indigenous	116		NA
Goats	13407	70 tone meat (sheep +goat)	8.88 kg body weight/animal/year
Pigs			NA
Crossbred	4,044	762 tone meat	42.45 kg. Body weight/animal/year
Indigenous	38,426		NA
Rabbits	744	NA	NA
Poultry			
Hens		264 tone meat per year	1.05 kg body weight per bird per year
Desi	3,12,519	83.97 lakhs eggs per year	108 nos. of eggs/bird/year
Improved	27,422	30.92 lakhs eggs per year	223 nos of eggs/bird/year
Ducks	4,510	2.27 lakhs eggs per year	155 of eggs/bird/year
Turkey and others	NA	NA	NA

Category	Area	Production	Productivity
Fish	1486.24 ha	950 kg/ha/year	NA
Marine	NA	NA	NA
Inland	NA	NA	NA
Prawn	NA	NA	NA
Scampi	NA	NA	NA
Shrimp	NA	NA	NA

2.6 Details of Operational area / Villages (2016-17)

Sl. No.	Taluk/ Eleka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified thrust area
1		Umsning	Umtung	Paddy, Groundnut	• Lack of knowledge to go for scientific cultivation • Lack of knowledge on high yielding varieties	• Popularization of HYV of oilseeds • Crop Diversification
2		Umsning	Liarkhla	Paddy, Groundnut, Soybean Lentil, Vegetable nursery, Tomato, Ginger, Turmeric	• Lack of knowledge on high yielding varieties • Lack of knowledge to go for scientific cultivation of soybean • Unawareness of package of practices of crops • Unscientific crop management practices	• Imparting knowledge and skills on scientific cultivation practices • Popularization of HYV/Hybrids, Improved management practices
3		Umsning	Kdonghulu	Groundnut, Soybean Lentil, Vegetable nursery, Tomato, Ginger, Turmeric	• Unawareness of package of practices of crops • Popularizing HYV variety of Pulses • Unscientific crop management practices	• Popularizing HYV variety of soybean groundnut and lentil • Popularization of HYV/Hybrids, Improved management practices
4		Umsning	Umeit	Maize, Blackgram, Lentil	• Lack of knowledge on high yielding varieties • Unscientific crop management practices, faulty nursery raising techniques	• Popularization of HYV of pulses • Crop Diversification • Popularization of HYV/Hybrids, introduction of polyhouses for vegetable, flower cultivation and nursery, improved propagation techniques
5		Umsning	Pahambir	Blackgram, Pea	• Lack of knowledge on high yielding varieties • Popularizing HYV variety of Pulses • Lack of knowledge to go for scientific cultivation	• Crop Diversification • To impart skills on improved production technology

6		Umsning	Umden mission	Pea ,Lentil, Vegetable nursery, cabbage, cauliflower, broccoli, Tomato, Ginger, Turmeric	• Lack of knowledge to go for scientific cultivation • Popularizing HYV variety of Pulses • Unscientific crop management practices, faulty nursery raising techniques • Unscientific fertility management	• Popularizing HYV variety of paddy, maize, groundnut. • To impart skills on improved production technology • Popularization of HYV/Hybrids, introduction of polyhouses for vegetable, flower cultivation and nursery
7		Umsning	Pahamrinai	Blackgram, Pea	• Popularizing HYV variety of Pulses • Lack of knowledge on HYV's and complete package of practices	• Crop Diversification • Imparting knowledge and skills on scientific cultivation practices
8		Umsning	Kyrdem	Paddy, Groundnut, Pea, Lentil, Blackgram, Vegetable nursery, cabbage, cauliflower, broccoli, Tomato, Ginger, Turmeric	• Lack of knowledge to go for scientific cultivation • Popularizing HYV variety of Pulses • Unscientific crop management practices, faulty nursery raising techniques	• Production technology of cereals & pulses • Crop Diversification • Popularization of HYV/Hybrids, introduction of polyhouses for vegetable, flower cultivation and nursery
9		Umling	Umkon	Vegetable nursery, cabbage, cauliflower, broccoli, Tomato, Ginger, Turmeric	• Unscientific crop management practices, faulty nursery raising techniques	• Popularization of HYV/Hybrids, introduction of polyhouses for vegetable, flower cultivation and nursery
10		Umsning	Umrynjah	Vegetable nursery, cabbage, cauliflower, broccoli, Tomato, Ginger, Turmeric	• Unscientific crop management practices, faulty nursery raising techniques • Unscientific soil fertility management	Popularization of HYV/Hybrids
11		Umsning	Umsahmaton	Vegetables, pulse, vermicompost, jalkund	• Lack of knowledge to go for scientific cultivation • Popularizing HYV variety of Pulses • Unscientific fertility management	

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2016-17

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	21	21	4	6	130	117
Plant Protec.	2	2	5	5	2	2	11	11
Home Science	2	1	15	10	2	1	20	10
Horticulture	2	2	50	50	4	12	100	503
Soil Science	2	2	8	20	3	7	80	120
Total	**10**	**9**	**99**	**106**	**15**	**28**	**341**	**761**

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	42	74	975	1669	75	945	10500	8890
Rural youth	17	11	221	380				
Extn. Functionaries	7	6	149	100				
Total	**66**	**91**	**1345**	**2149**	75	945	10500	8890

Seed Production (ton.)		Planting material (Nos. in lakh)	
5		6	
Target	Achievement	Target	Achievement
30	2.35	0.11	0.0780

Note: Target set during last Annual Zonal Workshop

3. B. Abstract of interventions undertaken during 2016-17

Sl. No	Thrust area	Crop/ Enterprise	Identified problems	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Resource conservation Technology	Paddy	Low productivity due to traditional method of cultivation	**SRI on paddy var. RCM-11**	--	Paddy cultivation through SRI	--	Training, Method demons, Field day	Seeds, Fertilizers and plant protection chemicals
2	Integrated Crop Management	Lentil	Low cropping intensity	**Zero Tillage in Lentil var. HUL-57**		Zero Tillage practices	--	Training, Method demons, Field day	Seeds, Fertilizers and plant protection chemicals
3	Introduction and popularization of HYVs of Cereals, Pulses and Oilseeds	Paddy(Var.RCM-10)	Lack of knowledge on scientific practices	-	Production technology of Kharif Cereals	Scientific production technology of growing HYV of Paddy	NA	Training, Method demons, Field day	Seeds, Fertilizers and plant protection chemicals
4	-do-	Groundnut (ICGS-76)	Lack of knowledge on crop diversification	-	Production technology of growing HYV of kharif oilseeds	Scientific production technology of Groundnut	NA	Training, Method demons, Distribution of leaflets	Seeds, Fertilizers and plant protection chemicals
5	-do-	Blackgram (var. Tripura Mashkolai)	Lack of knowledge on crop diversification	-	Production technology of Kharif pulse	Scientific production technology of Blackgram	NA	Training, Method demons, Distribution of leaflets	Seeds, Fertilizers and plant protection chemicals
6	-do-	Maize (Var.RCM-1-3)	Non availability of HYV of seed	-	Scientific cultivation techniques for growing maize	Scientific cultivation techniques for growing maize		Training, Method demons, field day	Seeds, Fertilizers and plant protection chemicals
7	-do-	Pea (var. Arkel)	Improper cultivation practices and non availability of HYV of seed	-	Production technology of Rabi pulses	Package and practices for growing HYV of Pea	NA	Training, Method demons, Field day,Distribution of leaflets	Seeds, Fertilizers and plant protection chemicals

8	Resource Conservation Technology	Jalkund	Water Scarcity during lean season	--	Water Conservation through Jalkund	Construction of water harvesting structures for effective utilization of water	NA	Training, Method demons,	LDPE Sheets
9	Integrated Pest Management	Bottlegourd	low productivity due to fruit fly attack	Management of fruit fly in bottle gourd using plastic bottle based methyl eugenol trap (rc fruit fly trap 1)		Management of fruit fly in bottle gourd using low cost plastic bottle based methyl eugenol trap (rc fruit fly trap 1)		Method demonstration,training	Seed,traps
10.	Other Beneficial Organisms	Mushroom	low yield existing strain	Yield performance evaluation of oyster mushroom strain		Cultivation of winter mushroom var.PL-14-02		Method demonstration,training	Mushroom spawn, Polybags
11	Integrated disease management	Potato	Low yield due to late blight incidence		Promotion of bio pesticide (Trichoderma for management of late blight of potato.	Management of late blight of potato with biopesticide		Method demonstration,training	Seed, Bio pesticide
12	Other Beneficial Organisms	Oyster Mushroom	Lack of knowledge on scientific cultivation of mushroom	-	Package and practices for cultivation of oyster mushroom	Package of practices for cultivating oyster mushroom		Training, Method demons	Mushroom spawn, polybags
13	Drudgery reduction	weed	Manual weeding	Longhand weeders for drudgery reduction in farm women	-	Longhand weeders(garden rake and U Blade for drudgery reduction in farm women	-	Training and demonstration	Tools

14	Energy saving	Briquettes	Use of firewood for cooking	Energy Saving Beehive briquettes in rural areas	Beehive briquettes a source of energy in rural areas	-	-	Training and demonstration	Briquettes moulds
15.	Production and use of organic inputs	Tomato (var. Rocky)	Low productivity due to poor soil fertility management	Evaluation of organic sources of nutrients on soil health and yield of tomato		Cultivation of Tomato by using organic sources of nutrients	NA	Training, Method demons	Seeds, vermicompost
16.	Integrated Nutrient Management	Capsicum (var. California Wonder)	Low productivity due to poor soil fertility management	Performance of INM in Capsiccum		• Soil Fertility management for vegetables (Capsicum) • Bio-fertilizers for capsicum	NA	Training, Method demons	Seeds, Vermicompost and bio-fertilizer
17.	Management of problematic soil	Maize (var. RCM-76)	Low productivity due to acidic soil		Soil amelioration through Liming @ 500 kg/ha in Maize to enhance productivity	Soil amelioration through Liming in Maize to enhance productivity	NA	Training, Method demons	Seeds, Lime
18	Production and use of organic inputs	Paddy (RCM-7)	Low productivity due imbalance fertilizer application		Promotion of Biofertilizer (Azospirillum @3.5kg/ha+PSB @3.5kg/ha) in Paddy for higher Productivity	Promotion of Biofertilizer in Paddy for higher Productivity	NA	Training, Method demons	Seeds, bio-fertilizer
19	Production and use of organic inputs	Paddy	Low soil fertility, improper use of manures		Promotion of HYV (RCM-7) by using organic nutrients (Vermicompost 5 ton/ha) for soil health and higher productivity	Promotion of HYV (RCM-7) by using organic nutrients for soil health and higher productivity	NA	Training, Method demons	Seed

20	Management of problematic soil	Blackgram	Low productivity due to Soil Acidity		Productivity enhancement of Blackgram (400 kg/ha) by using lime	Productivity enhancement of Blackgram by using lime	NA	Training, Method demons	Seed, lime
21	INM	Tomato	Imbalance use of fertilizers		Integrated Nutrient Management in Tomato	Integrated Nutrient Management in Tomato	NA	Training, Method demons	Seed, bio-fertilizer
22	Production and use of Organic Inputs	Vermicompost	Lack of organic sources of fertilizer		Vermicompost production (Agricultural waste and animal dung)	Production of vermicompost from agricultural waste	NA	Training, Method demons	Earthworm, Vermicomposting unit
23	Production and use of Organic Inputs	Vermicompost	Unawareness about soil fertility management		Production of Organic Manure (Weed biomass, Kitchen waste and Agricultural waste)	Production of Organic Manure through Vermicompost.	NA	Training, Method demons	Earthworm, Vermicomposting unit
24	Productivity enhancement through varietal intervention	Tomato var. Megha Tomato-3	High cost of hybrid seeds & bacterial wilt	Yield performance of Tomato var. Megha Tomato-3	-	-	-	Method demonstration	Seeds. PP materials, Fertilizers
25	Reduction of seed cost	Ginger var. Nadia & Turmeric var. Megha Turmeric 1	Involvement of high seed cost in conventional methods	Transplanting technology of ginger & Turmeric. Single bud transplanting	-	-	-	Method demonstration	Seeds. PP materials, Fertilizers
26	Productivity enhancement through varietal intervention	Broccoli	Poor crop management practices due to water scarcity		Promotion of of Broccoli (var. Green Magic)	-	-	Method demonstration	Seeds. PP materials, Fertilizers
27	Productivity enhancement through varietal intervention	Ginger var. Nadia	Poor crop management practices		Scientific management practices of Ginger (var. Nadia)	Method of site selection, land preparation and sowing of Ginger var. Nadia	-	Method demonstration, Training	Seeds. PP materials, Fertilizers

28	Productivity enhancement through varietal intervention	Turmeric var. Megha Turmeric-1	Poor crop management practices		Popularization of Turmeric (var. Megha Turmeric-1)	Seed selection, land preparation and sowing of turmeric var. Megha Turmeric – 1	-	Method demonstration, Training	Seeds. PP materials, Fertilizers
29	Plasticulture	Nursery raising under protected condition	Poor nursery growing practices		Promotion of community vegetable nursery under low cost polyhouse	Site selection and construction of low cost polyhouse for vegetable cultivation, Community vegetable nursery for income generation, Nursery management of vegetable crops, Production of Health seedlings for obtaining higher yield in vegetable crops	-	Method demonstration, Training	Seeds. PP materials, Fertilizers, polyhouse materials

30	Plasticulture	Vegetable crops	Poor crop management practices	-	Promotion of vegetable cultivation under protected condition	Nursery raising and vegetable cultivation under polyhouse	Good agricultural practices for vegetable cultivation under Community Development Programme, Importance of following good agricultural practices for obtaining higher production in vegetable crops	Method demonstration, Training	Seeds. PP materials, Fertilizers, polyhouse materials
31	Enhancing productivity of pulses crops	Rajmah/French Bean	Low productivity of pulses crops	-	Popularization of Rajmah var. Tripura sel-1	Scientific package of practices for French bean cultivation	-	Method demonstration, Training	Seeds. PP materials, Fertilizers
32	Enhancing income through introduction of new crops	Gerbera var. Tit, Szogew, Tomak, Pola	Non crop diversification	-	Cultivation and management of tissue cultured Gerbera plant (var. Tit, Szogew, Tomak, Pola) under low cost polyhouse	Cultivation and management of tissue cultured plants of gerbera under low cost polyhouse	-	Method demonstration, Training	Seeds. PP materials, Fertilizers, polyhouse materials
33	Resource conservation	Ginger var. Nadia & Turmeric var. Megha Turmeric 1	Planting along the slope	-	Cultivation of ginger & turmeric on raised bunds across the slope	Management technology of ginger and turmeric , Intercultural operations and management of ginger and turmeric	-	Method demonstration, Training	Seeds. PP materials, Fertilizers

34	Resource conservation	Cabbage var. H-139	Moisture stress during growth period	-	Mulching in cabbage	Mulching with crop residues in winter vegetables for moisture conservation	-	Method demonstration, Training	Seeds. PP materials, Fertilizers
35	Resource conservation	Mandarin	Water scarcity leading to irrigation problem during winter months	-	Bamboo based drip irrigation system	Irrigation and management of citrus fruits	-	Method demonstration, Training	Budded plants. PP materials, Fertilizers

3.1 Achievements on technologies assessed and refined during 2016-17

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation					1					1
Seed / Plant production										
Weed Management										
Integrated Crop Management			1							1
Integrated Nutrient Management					2					2
Integrated Farming System										
Mushroom cultivation					1					1
Drudgery reduction	1				1					2
Farm machineries										
Value addition										
Integrated Pest Management					1					1
Integrated Disease Management										
Resource conservation technology	1				1					2
Small Scale income generating enterprises										
TOTAL	2		1		7					10

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

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

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

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

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

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

TOTAL								

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

Sl. No.	Title of OFT	Problem Diagnosed	Name of Technology Assessed	Crop/ Cropping system/ Enterprise	No. of Trials	Results of Assessment/ Refined (Data on the parameter should be provided)	Feedback from the farmer	Feedback to the Researcher	B.C . Ratio (if applicable)
1	SRI on paddy	Low productivity due to traditional method of cultivation	System of Rice Intensification	Paddy	7	Plant Height: 92.8 cm No. of effective tillers:232 Panicle length: 21.2 cm Test wt. (g): 23.8 Number of grains/ panicle: 146 Av. Grain yield (q): 39.90 Crop duration: 145-150 days	Satisfied with the performanc e	Well adopted by the farmers	2.59
2	Zero Tillage In Lentil	Low Cropping Intensity due to Monocropping	Zero tillage management of lentil in rice fallow	Paddy-Lentil	7	-	Demo started in Dec 2016 BUT Crop failed due to heavy shower received during the period of Jan,2017		
3	Management of fruit fly in bottle gourd using plastic bottle based methyl eugenol trap (RCfruit fly trap 1)	low productivity due to fruit fly attack	Management of fruit fly using low cost plastic bottle based methyl eugenol RC fruit fly trap 1	Bottle gourd	5	1)Yield-120q/ha 2)Average trapping intensity-90 fruit fly /trap 3)Insect incidence-3-5%	The farmers are quite satisfied with this technology	Highly beneficial as it can fully control fruit fly	2.53
4	Yield performance evaluation of oyster mushroom strain	low yield existing strain	Yield performance of oyster mushroom strain PL-14-02	Mushroom	5	1) yield-110 kg/100 bags 2) Weight of mushroom: 65 g 3) Length: 14 cm 4) Breadth: 10 cm	The farmers are quite satisfied with this technology	Good technology as the farmers could get more price for their produce	2.9
5	Drudgery reduction using long handle weeders in upland	Manual weeding	Long handle weeders- garden rake and U blade	Drudgery Reduction	5	<u>Average field efficiency per hour:</u> *Garden rake-75% *U blade-70% *Comfortable to use and there is no stress involved while performing the activity *No injury to hands and fingers	Satisfied with the drudgery reduction tools	Well adopted	-

						Farmers practice: *Field efficiency per hour-20% *Hand and finger injury *Experience of back pain			
6	**Evaluation of organic sources of Nutrientson Soil Health and yield of Tomato (var. Rocky)** 1. FYM @ 5t ha + Vermicompost @1 t/ha 2. Poultry manure @2t/ha+ Pig manure @2 t/ha	Low productivity due to poor soil fertility management	Integrated Nutrient Management	Tomato	5	• Seed germination • Duration • Yield • Economics	Trial started in Last Week of Jan 2017 Current Status: Vegetative stage		
7	**Performance of INM in Capsicum (var. California wonder)** 1. 50% RDF (150:100:100) + Vermicompost @ 1.0 t/ha 2. Vermicompost@ 2.0 t /ha + Lime @ 500kg/ha + 2% urea spray at branching & pod initiation stage	Low productivity due to poor soil fertility management	Integrated Nutrient Management	Capsicum	5	• Yield • BC Ratio, • Soil Health indicators	Trial started in Dec 2016 Current Status: Flowering stage		
8	Yield performance of Tomato var. Megha Tomato-3	High cost of hybrid seeds & bacterial wilt	Tomato var. Megha Tomato-3	Tomato var. Megha Tomato-3, Paddy-Tomato	7	• DON: 5th Jan, 2017 • DOT: 12th Feb, 2017 • Plant height: 0.8-1.0 m • Flowering: 15th March, 2017 • Bacterial wilt Nil • Plant height 30 – 35 cm • No. of branches	So far no incidence of bacterial wilt		

						6-8 • Crop is in immature stage			
9	Transplanting technology of ginger & Turmeric. Single bud transplanting	Involvement of high seed cost in conventional methods	Single bud transplanting technology	Ginger var. Nadia & Turmeric var. Megha Turmeric 1	7	• Seed sowing has been done on 14th March, 2017			

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 2016-17

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

List of technologies demonstrated during previous year and popularized during 2016-17 and recommended for large scale adoption in the district

Sl. No	Crop/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
1	Paddy	System of Rice Intensification	2	100	3.0
2	Paddy	Improved cultivation technology with HYVs	6	250	5.0
3	Maize	Scientific cultivation techniques for growing HYV of maize(RCM-1-3)	3	78	5.0
4	Groundnut	Production technology of Kharif oilseeds(ICGS-76)	2	35	3.0
5	Blackgram	Package and practices for growing HYV of Blackgram)	4	46	3.0
6	Pea	Package and practices for growing HYV of Pea(Azad)	6	380	3.5
7	Pea	Zero Tillage in Pea	2	35	2.0
8	Ginger	Variety Nadia	10	100	5.0
9	Turmeric	Variety Megha Turmeric 1	12	125	6.0
10	Low cost polyhouse	Vegetable cultivation under low cost polyhouse	5	120	500 m2
11	Vermicompost	Organic manure production in vermicomposting Unit	3	15	3 units

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

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

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rainfed/ Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
												N	P	K
					Proposed	Actual	SC/ST	Others	Total					
1	Paddy (RCM-10)	Seed Production	Scientific package and practices of growing HYV of Paddy	Kharif 2016	5	24	55		55		Rainfed Sandy loam	180	28	295
2	Groundnut (ICGS-76)	Crop Production Technology	Production technology of Kharif Oilseeds	Kharif 2016	2	1	12		12		Rainfed Sandy loam	134	32	255
3	Blackgram (var. T-9)	Resource Conservation Technology	Production technology of Kharif pulse	Kharif 2016	2	10	48		48		Rainfed Sandy loam	167	25	155
4	Mazie Var.RCM-1-3	Seed Production		Kharif 2016	2	2	10		10		Rainfed Sandy loam	165	22	143
5	Pea (var. Azad)	Varietal Evaluation	Production technology of Rabi pulses	Rabi 2015	5	20	55		55		Rainfed Sandy loam	218	23	143
6	Potato	Integrated Disease management	Management of late blight of potato with bio pesticide	Rabi 2016	1.0	1.0	5		5		Rainfed Sandy loam	165	27	198
7	Maize var RCM-76	Management of Problamatic Soil	Soil amelioration through Liming @ 500 kg/ha in Maize to enhance productivity	Kharif 2016	2.0	2.0	10		10		Rainfed Sandy loam	304.5	78.4	126.2
8	Paddy var RCM-7	Production and Use of Organic inpuits	Promotion of Biofertilizer (Azospirillum @3.5kg/ha+PSB @3.5kg/ha) in Paddy for higher Productivity	Kharif 2016	5.0	6.0	8		8		Rainfed Sandy loam	323.2	45.8	176.1

9	Paddy	Production and use of organic inputs	Promotion of HYV (RCM-7) by using organic nutrients (Vermicompost 5 ton/ha) for soil health and higher productivity	Kharif 2016	5.0	6.0	28		28		Rainfed Sandy loam	301.8	85.6	145.6
10	Blackgram	Management of Problematic soil	Productivity enhancement of Blackgram (400 kg/ha) by using lime	Kharif 2016	2.0	3.3	35		35		Rainfed, sandy loam	551.9	65.5	222.3
11	Tomato	INM	Integrated Nutrient Management in Tomato	Rabi 2016	2.0	2.5	18		18		Rainfed, sandy loam	391.6	48.2	146.0
12	Broccoli	Exotic vegetable cultivation	Promotion of of Broccoli (var. Green Magic)	Rabi, 2016	1.0	1.0	25	0	25	-	Rainfed, sandy loam	301.8	76.3	123.8
13	Ginger	Management of spices	Scientific management practices of Ginger (var. Nadia)	Kharif, 2016	1.0	1.0	35	0	35	-	Rainfed, sandy loam	391.6	48.2	146.0
14	Turmeric var. Megha Turmeric-1	Management of spices	Popularization of Turmeric (var. Megha Turmeric-1)	Kharif 2016	1.0	1.0	23	0	23	-	Rainfed, sandy loam	321.1	46.5	179.23
15	Vegetable nursery	Nursery raising under protected condition	Promotion of community vegetable nursery under low cost polyhouse	Rabi 2016	500 m^2	700 m^2	25	0	118	-	Rainfed, sandy loam	474.9	78.2	120.0
16	Vegetable crops	Protected cultivation of vegetables	Promotion of vegetable cultivation under protected condition	Kharif & Rabi 2016	300 m^2	400 m^2	70	0	70	-	Rainfed, sandy loam	474.9	78.2	120.0
17	Rajmah/ French Bean	Pulse production	Popularization of Rajmah var. Tripura sel-1	Kharif 2016	5.0	5.0	97	0	97	-	Rainfed, sandy loam	423.7	49.5	126.0
18	Gerbera	Flower production	Cultivation and management of tissue cultured Gerbera plant (var. Tit, Szogew, Tomak, Pola) under low cost polyhouse	Rabi 2016	400 m^2	400 m^2	45	0	45	-	Rainfed, sandy loam	474.9	78.2	120.0
19	Ginger	Resource	Cultivation of ginger	Kharif	1.0	2.0	20	0	20	-	Rainfed,	301.8	76.3	123.8

	var. Nadia & Turmeric var. Megha Turmeric 1	conservation	& turmeric on raised bunds across the slope	2016							sandy loam			
20	Cabbage var. H-139	Resource conservation	Mulching in cabbage	Rabi 2016	1.0	1.0	20	0	20	-	Rainfed, sandy loam	301.8	76.3	123.8
21	Mandarin	Resource conservation	Bamboo based drip irrigation system	Rabi 2016	1.0	6.5	25	0	25	-	Rainfed, sandy loam	551.9	65.5	222.3

c. Performance of FLD on Crops

Sl. No.	Crop	Thematic area	Area (ha.)	Avg. yield (Q/ha.)		% increase in Avg. yield	Additional data on demo. yield (Q/ha.)		Data on parameters other than yield, e.g., disease incidence, pest incidence etc.		Econ. of demo. (Rs./ha.)				Econ. of check (Rs./Ha.)			
				Demo.	Check		H*	L*	Demo	Local	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR
1	Paddy (RCM-10)	Seed Production	24	**39.2**	**27.5**	**67.6**	**45.9**	**32.3**			**26500**	**63700**	**37200**	**2.40**	**15800**	**27600**	**10800**	**1.7**
2	Groundnut (ICGS-76)	Crop Production Technology	1	22.2	17.5	26.8	26.7	17.8	No. of pods/plants: 20. 100 pod weight: 176 g Grain yield: 22.2 q/ha	No. of pods/plants: 11 100 pod weight: 106 g Grain yield: 17.8 q/ha	38500	95794	57294	2.49	10500	18300	7800	1.7
3	Blackgram (var. Tripura Mashkalai)	Resource Conservation Technology	10	7.3	---	---			--	---	16200	25002	97002	1.54	---	---	---	---
4	Maize Var.RCM-1-3	Seed Production	2	37.15	28.9	28.5	44.1	30.2	Plant Ht-1.9m No of	Plant Ht-2.5 m No of	26800	48295	21495	1.80	12800	19400	6600	1.4

									cobs/plant-2-3 No of grains/cob-605 Grain Yield-37.15 q/ha	cobs/plant-1 No of grains/cob-312 Grain Yield-28.9 q/ha								
5	Pea (var. Arkel)	Varietal Evaluation	20	49.7	39.2	26.7	56.3	43.2	No. of pods/plant: 28 Pod yield: 49.7 q/ha	No. of pods/plant : 10 Pod yield: 39.2 q/ha	24500	45080	20580	1.90	10500	16300	5800	1.5
6	Potato	Integrated disease management	1.0	Result awaited -														
7	Maize var RCM-76	Management of Problamatic Soil	2.0	41.9	23.0	82.2 %	45.2	38.6	Yield: 41.9 q/ha	Yield: 23.0	28513	83800	55287	2.93	24900	46,000	21100	1.85
8	Paddy var RCM-7	Production and Use of Organic inpuits	6.0	43.2	23.5	83.8	44.2	40.6	Yield: 43.2q/ha Crop Duration: 118 days	Yield: 23.5 Crop Duration: 131 days	26178	63600	37422	2.42	20600	35250	14650	1.71
9	Paddy	Production and Use of Organic inpuits	6.0	36.5	23.5	55.3 %	39.2	33.8	Yield: 36.5 q/ha Crop Duration: 121 days	Yield: 23.5 q/ha Crop Duration: 132 days	26400	55115	28715	2.09	24900	46000	21100	1.8
10	Blackgram	Management of Problamatic Soil	3.3	7.52	-	-	8.62	6.42	Yield: 7.52 q/ha	-	16648	25756	9108	1.55	-	-	-	-
11	Tomato	INM	2.5	241	168	43.45	286	196	Yield: 241 q/ha	Yield: 168 q/ha	38290	65580	27290	1.71	31790	41320	9530	1.29
12	Broccoli	Exotic vegetable cultivatio	1.0	165	110	55	180	150	Av. plant height 43 cm	Av. plant height 35 cm, Av.	65000	165000	100000	2.53	53000	110000	57000	2.07

		n							Av. head dia 14.5 cm	Head dia 10.2 cm								
13	Ginger	Management of spices	1.0	230	160	43.75	265	195	Av. Plant height 66 cm No. of tiller 6	Av. Plant height 52 cm, no. of tiller 6	78000	345000	267000	4.42	53000	160000	107000	3.01
14	Turmeric var. Megha Turmeric-1	Management of spices	1.0	282	195	44.60	310	250	Av. plant height 75 cm No. of fingers per plant 8	Av. plant height 58 cm No. of fingers per plant 7	75000	282000	207000	3.76	54000	156000	102000	2.88
15	Vegetable nursery	Nursery raising under protected condition	700 m^2	50000 seedlings per 100m^2	-	-	-	-	Incidence of damping off, powdery mildew and cut worm 5%	-	20000 per 100m^2	48000 per 100m^2	28000	2.4	-	-	-	-
16	Vegetable crops	Protected cultivation of vegetables	400 m^2	321 per 100m^2	-	-	-	-	**Tomato** DOT 10/8/16, DOF 5/9/16 DOH 22/9/16 Plant height 1.8m, Fruit length 4.7 cm, Fruit breadth 7.3 cm	-	2000 per 100m^2	35950 per 100m^2	15950 per 100m^2	1.79 per 100 m^2	-	-	-	-
17	Rajmah/French Bean	Pulse production	5.0	110	68	61.76	130	90	Av. plant height 48 cm	Av. plant height 36 cm	55250	168025	112775	3.04	43560	108800	65240	2.49
18	Gerbera	Flower production	400 m^2	-	-	-	-	-	Days to flower 85, stalk length 55 cm	-	120000	-	-	-	-	-	-	-
19	Cabbage	Resource	1.0	250	205	21.95	290	220	Head	Head	55250	195520	140270	3.53	43560	102500	58940	2.35

	var. H-139	conservation							weight 1.25 kg	weight 0.98 kg								
20	Mandarin	Resource conservation	6.5	-	-	-	-	-	-	-	100000	-	-	-	-	-	-	-

***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	HYV OF Maize SRI on Paddy Maize-Blackgram cropping system HYV of Pea (Var.Azad) HYV of Pea (Var.Azad) Soil amelioration through Liming @ 500 kg/ha in Maize to enhance productivity Promotion of Biofertilizer (Azospirillum @3.5kg/ha+PSB @3.5kg/ha) in Paddy for higher Productivity Production of high value vegetable crops under low cost polyhouse Rajmah Cultivation Production of Rajmah var. Tripura Sel1	8.9.16 7.11.17 23.11.16 6.3.17 9.3.17 21-11-16 09-11-16 22/9/16 16/11/16 22/11/16		20 30 15 30 60 45 40 18 15 32	20 30 15 30 60 45 40 18 15 32	
2	Farmers Training	28	-	-	479	479	
3	Media coverage	12	-	-	-	-	
4	Training for extension functionaries	2	-	-	20	20	
5	Any other (Pl. specify)						
	Total						

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		
Beehive briquettes	-	5	-	*T1-2 part coal and 1 part mud Lighting duration-3-4hrs Heat liberated-high Smoke-smokeless blueflame Emission of gas-Carbon dioxide:0.1-0.5% and methane is 100-200ppm(within in permissible limit) *T2-2 parts mud and 1 part coal Lighting duration-5-6hrs Heat liberated-low Smoke-smokeless blueflame	Size:145cm Height:85cm No of briquettes prepared for Household use:1000nos sale :3000nos @20 each Gross return :60000 B.C Ratio:6	Firewood:1-2kgs perhour Charcoal:1kg perhour Fuel expenditure monthly:1200-1400	100	Welladopted by the farmwomen

**** 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	

***** 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	Jalkund	Water Management	Conservation of water through small water harvesting structure Jalkund (5mxx4mx2m)	5	5	Yield of Winter vegetables grown, Economics													
2.	Mushroom productio	Other Beneficial Organisms	Package of practices for cultivation	4		180 kg/ unit			Size of mushroom:	-	12,500	36,000	23,500	2.88	-	-	-	-	

	n		of oyster mushroom						l=10 cm B=12c m Wt of mushr oom: 55gm										
3	Vermico mpost	Production of Organic inputs	Production of Vermicomp ost from Agricultural waste	24	3	Yield of vermicom post, Number of earthwor m and BC Ratio			Yld: 25.6 q (8.54 per harvest , total 3 harvest) No. of Earthw orm: 3250 BCR: 2.56										
4.	Vermico mpost	Production of Organic Inputs	Production of Organic manures through Vermicomp ost (Weed Biomass, Kitchen waste and Agricultural waste)	5	1	Yield of vermicom post, Number of earthwor m and BC Ratio			Yld: 31.6 q (10.6q per harvest , total 3 harvest) No. of Earthw orm: 3865 BCR: 2.38										

***** 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
1	Broccoli	Green Magic	1.0	25	165	110	55	180	150	65000	165000	100000	2.53	53000	110000	57000	2.07
2	Cabbage	H-139	1.0	20	250	205	21.95	290	220	55250	195520	140270	3.53	43560	102500	58940	2.35

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

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

Thematic area	No. of Courses/ prog			Participants																			
				General						SC/ST						Total							
				Male		Female		Total		Male		Female		Total		Male		Female		Total			
	On-Campus (1)	Spon On* (2)	Total (1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a=4+6)	Sp. On (b=5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c=8+10)	Sp. On (d=9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x=a+c)	Sp. On (y=b+d)	Grand Total (x + y)
I. Crop Production																							
Weed Management																							
Resource Conservation Technologies																							
Cropping Systems																							
Crop Diversification																							
Integrated Farming																							
Water management																							
Seed production																							
Nursery management																							
Integrated Crop Management																							
Fodder production																							
Production of organic inputs																							
II. Horticulture																							
a) Vegetable Crops																							

Production of low volume and high value crops		1	1								4		16		20		4		16		20	20
Off-season vegetables		1	1								8		0		8		8		0		8	8
Nursery raising	1		1							10		5			15	10		5			15	15
Exotic vegetables like Broccoli																						
Export potential vegetables		2	2								29		43		72		29		43		72	72
Grading and standardizatio n																						
Protective cultivation (Green Houses, Shade Net etc.)		3	3								61		24		85		61		24		85	85
b) Fruits																						
Training and Pruning																						
Layout and Management of Orchards																						
Cultivation of Fruit																						
Management of young plants/orchard s																						
Rejuvenation of old orchards																						
Export potential fruits																						
Micro																						

irrigation systems of orchards																						
Plant propagation techniques																						
c) Ornamental Plants																						
Nursery Management		1	1								28		10		38		28		10		38	38
Management of potted plants																						
Export potential of ornamental plants		1	1								31		0		31		31		0		31	31
Propagation techniques of Ornamental Plants		1	1								2		14		16		2		14		16	16
d) Plantation crops																						
Production and Management technology																						
Processing and value addition																						
e) Tuber crops																						
Production and Management technology																						
Processing and value addition																						
f) Spices																						
Production and Management technology																						
Processing																						

and value addition																						
g) Medicinal and Aromatic Plants																						
Nursery management																						
Production and management technology																						
Post harvest technology and value addition																						
III Soil Health and Fertility Management																						
Soil fertility management																						
Soil and Water Conservation																						
Integrated Nutrient Management																						
Production and use of organic inputs																						
Management of Problematic soils																						
Micro nutrient deficiency in crops																						
Nutrient Use Efficiency																						
Soil and Water Testing																						
IV Livestock Production and Management																						
Dairy Management																						
Poultry Management																						

Piggery Management																						
Rabbit Management																						
Disease Management																						
Feed management																						
Production of quality animal products																						
V Home Science/Women empowerment																						
Household food security by kitchen gardening and nutrition gardening																						
Design and development of low/minimum cost diet																						
Designing and development for high nutrient efficiency diet																						
Minimization of nutrient loss in processing																						
Gender mainstreaming through SHGs																						
Storage loss minimization techniques	1		1			18		18														18
Value	5		5		1	83		84														84

addition																						
Income generation activities for empowerment of rural Women	2		2		2	28		30														30
Location specific drudgery reduction technologies	2		2		2	28		30														30
Rural Crafts																						
Women and child care																						
VI Agril. Engineering																						
Installation and maintenance of micro irrigation systems																						
Use of Plastics in farming practices																						
Production of small tools and implements																						
Repair and maintenance of farm machinery and implements																						
Small scale processing and value addition																						
Post Harvest Technology																						
VII Plant Protection																						

Integrated Pest Management																					
Integrated Disease Management																					
Bio-control of pests and diseases																					
Production of bio control agents and bio pesticides																					
VIII Fisheries																					
Integrated fish farming																					
Carp breeding and hatchery management																					
Carp fry and fingerling rearing																					
Composite fish culture																					
Hatchery management and culture of freshwater prawn																					
Breeding and culture of ornamental fishes																					
Portable plastic carp hatchery																					
Pen culture of fish and prawn																					
Shrimp farming																					
Edible oyster																					

farming																						
Pearl culture																						
Fish processing and value addition																						
IX Production of Inputs at site																						
Seed Production																						
Planting material production																						
Bio-agents production																						
Bio-pesticides production																						
Bio-fertilizer production																						
Vermi-compost production																						
Organic manures production																						
Production of fry and fingerlings																						
Production of Bee-colonies and wax sheets																						
Small tools and implements																						
Production of livestock feed and fodder																						
Production of Fish feed																						
X Capacity Building and Group Dynamics																						
Leadership development																						

Group dynamics																						
Formation and Management of SHGs																						
Mobilization of social capital																						
Entrepreneurial development of farmers/youths																						
WTO and IPR issues																						
XI Agro-forestry																						
Production technologies																						
Nursery management																						
Integrated Farming Systems																						
TOTAL																						

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 Courses/ prg.			Participants																				Grand Total
				General						SC/ST						Total								
				Male		Female		Total		Male		Female		Total		Male		Female		Total				
	Off	Sp Off*	Total	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*			
I. Crop Production																								
Weed Management																								
Resource Conservation Technologies	2									9		25		34		9		25		34				34
Cropping Systems	1									2		13		15		2		13		15				15
Crop Diversification	5									31		82		113		31		82		113				113
Integrated Farming																								
Water management	1									4		11		15		4		11		15				15
Seed production	7									24		44		68		24		44		68				68
Nursery management																								
Integrated Crop Management																								
Fodder production																								
Production of organic inputs																								

II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops																						
Off-season vegetables																						
Nursery raising		3	3								32		58		90		32			58	90	90
Exotic vegetables like Broccoli																						
Export potential vegetables	1		1							1		9		10		1		9		10		10
Grading and standardizatio n																						
Protective cultivation (Green Houses, Shade Net etc.)																						
b) Fruits																						
Training and Pruning																						
Layout and Management of Orchards																						
Cultivation of Fruit																						
Management of young plants/orchar ds																						

Rejuvenation of old orchards																						
Export potential fruits																						
Micro irrigation systems of orchards		1	1								34		35		69		34		35		69	69
Plant propagation techniques																						
c) Ornamental Plants																						
Nursery Management																						
Management of potted plants																						
Export potential of ornamental plants	2	2								12		28		40		12		28		40	40	
Propagation techniques of Ornamental Plants																						
d) Plantation crops																						
Production and Management technology																						
Processing and value addition																						
e) Tuber crops																						
Production and Management																						

technology																						
Processing and value addition																						
f) Spices																						
Production and Management technology	4	4								13		79		92		13		79		92	92	
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	2		2							23		50		73		23		50		73		73
Soil and Water Conservation																						
Integrated Nutrient Management	1		1							8		22		30		8		22		30		30
Production and use of organic inputs	3		3							40		51		91		40		51		91		91

Management of Problematic soils	1		1							9		27		36		9		27		36		36
Micro nutrient deficiency in crops																						
Nutrient Use Efficiency	1		1							37		45		82		37		45		82		82
Soil and Water Testing	3		3							59		70		129		59		70		129		129
IV Livestock Production and Management																						
Dairy Management																						
Poultry Management																						
Piggery Management																						
Rabbit Management																						
Disease Management																						
Feed management																						
Production of quality animal products																						
V Home Science/Women empowerment																						
Household food security by kitchen gardening and nutrition gardening	1		1	1	21																	22
Design and development																						

of low/minimum cost diet																						
Designing and development for high nutrient efficiency diet																						
Minimization of nutrient loss in processing																						
Gender mainstreaming through SHGs																						
Storage loss minimization techniques																						
Value addition																						
Income generation activities for empowerment of rural Women																						
Location specific drudgery reduction technologies																						
Rural Crafts																						
Women and child care																						
VI Agril. Engineering																						
Installation and																						

maintenance of micro irrigation systems																						
Use of Plastics in farming practices																						
Production of small tools and implements																						
Repair and maintenance of farm machinery and implements																						
Small scale processing and value addition																						
Post Harvest Technology																						
VII Plant Protection																						
Integrated Pest Management	3		3							17		25		42		17		25		42		42
Integrated Disease Management	1		1							4		8		12		4		8		12		12
Bio-control of pests and diseases	4		4							26		32		58		26		32		58		58
Production of bio control agents and bio pesticides																						
VIII Fisheries																						

Integrated fish farming																						
Carp breeding and hatchery management																						
Carp fry and fingerling rearing																						
Composite fish culture																						
Hatchery management and culture of freshwater prawn																						
Breeding and culture of ornamental fishes																						
Portable plastic carp hatchery																						
Pen culture of fish and prawn																						
Shrimp farming																						
Edible oyster farming																						
Pearl culture																						
Fish processing and value addition																						
IX Production of Inputs at site																						
Seed Production																						

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

Mobilization of social capital																						
Entrepreneurial development of farmers/youths																						
WTO and IPR issues																						
XI Agro-forestry																						
Production technologies																						
Nursery management																						
Integrated Farming Systems																						
TOTAL																						
(B) RURAL YOUTH																						
3.3.3. Achievements on Training Rural Youth in On Campus including Sponsored On Campus Training Programmes (*Sp. On means On Campus training programmes sponsored by external agencies)																						

Thematic area	No. of Courses/ Prog			**Participants**																		**Grand Total (x + y)**
				General						**SC/ST**						**Total**						
				Male		**Female**		**Total**		**Male**		**Female**		**Total**		**Male**		**Female**		**Total**		
	On (1)	**Sp On * (2)**	**Total (1+2)**	**On (4)**	**Sp. On (5)**	**On (6)**	**Sp. On (7)**	**On (a= 4+6)**	**Sp. On (b= 5+7)**	**On (8)**	**Sp. On (9)**	**On (10)**	**Sp. On (11)**	**On (c= 8+10)**	**Sp. On (d= 9+11)**	**On (4+8)**	**Sp. On (5+9)**	**On (6+10)**	**Sp. On (7+11)**	**On (x = a +c)**	**Sp. On (y= b +d)**	
Mushroom Production																						
Bee-keeping																						
Integrated farming																						
Seed production																						
Production of	**3**	**3**								**3**		**17**		**20**		**3**		**17**		**20**	**20**	

organic inputs																						
Integrated Farming																						
Planting material production																						
Vermi-culture	1	1								20		7		27		20		7		27	27	
Sericulture																						
Protected cultivation of vegetable crops	1	1								20		7		27		20		7		27	27	
Commercial fruit production																						
Repair and maintenance of farm machinery and implements																						
Nursery Management of Horticulture crops																						
Training and pruning of orchards																						
Value addition																						
Production of quality animal products																						
Dairying																						
Sheep and goat rearing																						
Quail farming																						
Piggery																						

Rabbit farming																						
Poultry production																						
Ornamental fisheries																						
Para vets																						
Para extension workers																						
Composite fish culture																						
Freshwater prawn culture																						
Shrimp farming																						
Pearl culture																						
Cold water fisheries																						
Fish harvest and processing technology																						
Fry and fingerling rearing																						
Small scale processing																						
Post Harvest Technology																						
Tailoring and Stitching																						
Rural Crafts																						
TOTAL																						

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

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

					*		*		*		*		*								*	
Mushroom Production																						
Bee-keeping																						
Integrated farming																						
Seed production	2		2							47		0		47				47		0	47	47
Production of organic inputs	3		3							36		82		118		36		82		118		118
Integrated Farming																						
Planting material production																						
Vermi-culture																						
Sericulture																						
Protected cultivation of vegetable crops	1		1							6		0		6		6		0		6		6
Commercial fruit production																						
Repair and maintenance of farm machinery and implements																						
Nursery Management of Horticulture crops	2		2							12		19		31		12		19		31		31
Training and pruning of orchards																						
Value addition																						

Production of quality animal products																						
Dairying																						
Sheep and goat rearing																						
Quail farming																						
Piggery																						
Rabbit farming																						
Poultry production																						
Ornamental fisheries																						
Para vets																						
Para extension workers																						
Composite fish culture																						
Freshwater prawn culture																						
Shrimp farming																						
Pearl culture																						
Cold water fisheries																						
Fish harvest and processing technology																						
Fry and fingerling rearing																						
Small scale processing																						
Post Harvest Technology																						
Tailoring and Stitching																						
Rural Crafts																						

TOTAL																						

C. Extension Personnel

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

Thematic area	No. of Courses/ prog			Participants																		Grand Total (x + y)
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	On (1)	Sp On * (2)	Total (1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a= 4+6)	Sp. On (b= 5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c= 8+10)	Sp. On (d= 9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x = a +c)	Sp. On (y= b +d)	
Productivity enhancement in field crops																						
Integrated Pest Management																						
Integrated Nutrient management																						
Rejuvenation of old orchards																						
Protected cultivation technology		1	1								10		10		20		10		10		20	20
Formation and Management of SHGs																						
Group Dynamics and farmers organization																						
Information networking among farmers																						
Capacity																						

building for ICT application																						
Care and maintenance of farm machinery and implements																						
WTO and IPR issues																						
Management in farm animals																						
Livestock feed and fodder production																						
Household food security																						
Women and Child care																						
Low cost and nutrient efficient diet designing																						
Production and use of organic inputs		1	1		2				2		2		6		8		4		6		10	10
Gender mainstreaming through SHGs																						

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

Thematic area	No. of Courses/ prog.			Participants																		Grand Total
	Off	Sp Off *	Total	General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
				Of	Sp	Of	Sp	Off	Sp	Of	Sp	Off	Sp	Off	Sp	Off	Sp	Off	Sp	Of	Sp	

				f	Off*	f	Off*		Off*	f	Off*		Off*		Off*		Off*		Off*	f	Off*	
Productivity enhancement in field crops																						
Integrated Pest Management	2		2							32		15		47		32		15		47		47
Integrated Nutrient management																						
Rejuvenation of old orchards																						
Protected cultivation technology																						
Formation and Management of SHGs																						
Group Dynamics and farmers organization																						
Information networking among farmers																						
Capacity building for ICT application																						
Care and maintenance of farm machinery and implements																						
WTO and IPR issues																						
Management in farm																						

animals																						
Livestock feed and fodder production																						
Household food security																						
Women and Child care																						
Low cost and nutrient efficient diet designing																						
Production and use of organic inputs		1	1	3					3		5		4		9		8		4		12	12
Gender mainstreaming through SHGs																						
TOTAL																						

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**
Horticulture	Protected cultivation	Site selection and construction of low cost polyhouse for vegetable cultivation	31/3/16	1	KVK	RY				6	0	6	6	0	6
Horticulture	Pulse production	Scientific package of practices for French bean cultivation	09/08/16	1	KVK	PF				9	41	50	9	41	50
Horticulture	Vegetable production	Nursery management of vegetable crops	19/10/16	1	KVK	PF				10	5	15	10	5	15

Horticulture	Flower production	Modern floriculture cultivation	2.11.16-3.11.16	2	KVK	PF				28	10	38	28	10	38
Horticulture	Flower production	Farmers training on modern floriculture cultivation	16.11.16-17.11.16	2	KVK	PF				31	0	31	31	0	31
Horticulture	Production technology	Recent advances in production of agri-horti crops	23.11.16-27.11.16	5	KVK	PF				8	0	8	8	0	8
Horticulture	Flower cultivation	Cultivation and management of tissue cultured plants of gerbera under low cost polyhouse	17/12/16		KVK	PF				2	14	16	2	14	16
Horticulture	Capacity building	"Vegetable and flower cultivation in open and polyhouse" under the Capacity building for adoption of technology (CAT)	19/1/17	KVK	1	RY				20	7	27	20	7	27
Horticulture	Vegetable cultivation	Importance of following good agricultural practices for obtaining higher production in vegetable crops	8/2/17	1	KVK	PF & EF				20	2	22	20	2	22
Home Science	Value addition	Processing of mushroom into value-added products	6/6/16-7/6/2016	2	KVK	PF				1	19	20	1	19	20
Home Science	Drudgery reduction	Drudgery reduction technologies for farm women	9/6/16 - 10/6/16	2	KVK	PF				2	18	20	2	18	20
Home Science	Income generation	Preparation of Beehive briquettes	13/6/16-14/6/2016	2	KVK	PF				2	8	10	2	8	10
Home Science	Drudgery Reduction	Long handle weeders for weeding in upland	15/6/16	1	KVK	PF				0	10	10	0	10	10
Home Science	Storage	Storage techniques of fruits and vegetables	18/7/16-19/7/16	2	KVK	PF				0	18	18	0	18	18
Home Science	Value addition	Value addition of bamboo shoot and chillies	20/7/16-21/7/16	2	KVK	PF				0	14	14	0	14	14
Home Science	Value addition	Valueaddition of jackfruit	22/7/16-23/7/16	2	KVK	PF				0	20	20	0	20	20
Home	Income	Extraction of banana	25/7/16-	2	KVK	PF				0	20	20	0	20	20

Science	generation	fiber and rural crafts	26/7/16													
Home Science	Value addition	Valueaddition of pineapple	27/7/16-28/7/16	2	KVK	PF				0	20	20	0	20	20
Home Science	Value addition	Valueaddition of porkmeat	29/7/16-30/7/16	2	KVK	PF				0	20	20	0	20	20
Soil Science	Production of Organic Inputs	Vermicompost based IFS models	19.01.2017	1	KVK RiBhoi	Ry				20	7	27	20	7	27
Soil Science	Vermiculture	SoilHealth Management and Vermicompost Production	8.02.2017	1	KVK RiBhoi	Extension Functionaries	2		2	2	6	8	4	6	10
Soil Science	Soil Health Management	Soil, its Health and Management	27/02/2017	1	KVK RiBhoi	RY				3	17	20	3	17	20
Soil Science	Soil Health Management	Organic amendments for soil amelioration	01/03/2017	1		RY				3	17	20	3	17	20
Soil Science	Soil Health Management	Soil Parameters Testing	02/03/2017	1		RY				3	17	20	3	17	20

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	Water Management	SRI in paddy	2.6.16	1	Kyrdem	PF				4	11	15	4	11	15
Agronomy	Seed Production	Popularization of HYV of Paddy	7.6.16	1	Khweng	RY				13	0	13	13	0	13
Agronomy	Seed Production	Popularization of HYV of Paddy	9.6.16	1	Umtung	PF				1	9	10	1	9	10
Agronomy	Seed	Popularization of	24.6.16	1	Liarkhla	RY				34	0	34	34	0	34

	Production	HYV of Paddy													
Agronomy	Seed Production	Package and practice for growing HYV of Groundnut	25.6.16	1	Liarkhla	PF				11	4	15	11	4	15
Agronomy	Seed Production	Package and practice for growing HYV of Groundnut	5.7.16	1	Kdonghulu	PF				2	9	11	2	9	11
Agronomy	Seed Production	Package and practice for growing HYV of Soybean	27.7.16	1	Liarkhlaw	PF				7	9	16	7	9	16
Agronomy	Seed Production	Package and practice for growing HYV of Soybean	5.8.16	1	Kyrdem	PF				3	13	16	3	13	16
Agronomy	Crop Diversification	Popularisation of HYV of Blackgram	17.8.16	1	Umeit	PF				4	6	10	4	6	10
Agronomy	Crop Diversification	Maize –Blackgram Cropping Systems	19.8.16	1	Kdonghulu	PF				2	13	15	2	13	15
Agronomy	Crop Diversification	Package and practice for growing HYV of Blackgram	25.8.16	1	Pahambir	PF				3	31	34	3	31	34
Agronomy	Crop Diversification	Introduction of Pulse crop Blackgram	1.9.16	1	Pahamrinai	PF				9	24	33	9	24	33
Agronomy	Crop Diversification	Production technology of growing HYV of pulse crop(Pea)	4.11.16	1	Kyrdem	PF				7	19	26	7	19	26
Agronomy	Crop Diversification	Introduction of pulse crop in rice fallows(Pea)	18.11.16	1	Umeit	PF				8	2	10	8	2	10
Agronomy	Crop Diversification	Production technology of growing HYV of Pea	1.12.16	1	Umden mission	PF				7	17	24	7	17	24
Agronomy	Resource Conservati	Zero Tillage	3.12.16	1	Kyrdem	PF				2	8	10	2	8	10

	on Techniques															
Plant protection	IPM	Management of fruit fly in guava using plastic bottle based Methyl eugenol trap(1)	16.06.16	1	Khweng	Farmer & Farm women				3	7	10	3	7	10
Plant protection	Mushroom production	Cultivation of oyster mushroom	08.07.16-09.06.17	2	Kdonghulu	Farmer & Farm women				3	7	10	3	7	10
Plant protection	Biological control	Biological control of stem borer of rice	26.07.16	1	Umeit	Farmer & Farm women				8	2	10	8	2	10
Plant protection	IPM	Management of fruit fly in bottlegourd using plastic bottle based Methyl eugenol trap(1)	10.08.16		Umeit	Farmer & Farm women				7	5	12	7	5	12
Plant protection	IDM	Management of ginger with bio pesticide	24.08.16	1	Kdonghulu	Farmer & Farm women				4	8	12	4	8	12
Plant protection	Biological control	Biological control of downy mildew of cole crops in nursery bed	25.10.16	1	Umrynjah	Farmer & Farm women				3	12	15	3	12	15
Plant protection	Mushroom production	Cultivation of winter oyster mushroom(var. PL-14-02)	24.11.16-25.11,16	2	Pahamrinai	Farmer & Farm women				8	10	18	8	10	18
Plant protection	Mushroom production	Cultivation of winter oyster mushroom(var. PL-14-02)	26.11.16-27.11,16	2	Nongthymai	Farmer & Farm women				6	11	17	6	11	17
Plant protection	Biological control	Biological control of late blight of potato	17.02.17	1	Umeit	Farmer & Farm women				7	11	18	7	11	18
Plant protection	Biological control	Biological control of cabbage butterfly	27.02.17	1	Umeit	Farmer & Farm women				8	7	15	8	7	15
Plant protection	Mushroom production	Cultivation of Oyster mushroom under TSP	06.03.17-07.03.17	2	Umeit	Farmer & Farm women				5	5	10	5	5	10
Plant protection	Mushroom production	Cultivation of Oyster mushroom	08.03.17-09.03.17	2	Umden mission	Farmer & Farm women				4	9	13	4	9	13

		under TSP													
Plant protection	IPM	Management of fruit fly in tomato using plastic bottle based Methyl eugenol trap(1)	21.03.17	1	Umeit,Umrynjah	Farmer & Farm women				7	13	20	7	13	20
Plant protection	IPM	Pest and Disease Management of Vegetable Crops	21-01.17	1		EP				18	7	25			25
Plant protection	IPM	Integrated pest and disease management for crop cultivation	31.01.17	1		EP				14	8	22			22
Horticulture	Production technology of spices	Method of site selection, land preparation and sowing of Ginger var. Nadia	29/3/16	1	Kyrdem	PF				0	23	23	0	23	23
Horticulture	Production technology of spices	Seed selection, land preparation and sowing of turmeric var. Megha Turmeric – 1	30/3/16	1	Kyrdem	PF				0	23	23	0	23	23
Horticulture	Protected Cultivation	Nursery raising and vegetable cultivation under polyhouse	01.08.16	1	Kyrdem	PF				7	25	32	7	25	32
Horticulture	Production of spices	Management technology of ginger and turmeric	2.8.16	1	Umden mission	PF				6	16	22	6	16	22
Horticulture	Spice production	Intercultural operations and management of ginger and turmeric	3.8.16	1	Kdonghulu	PF				7	17	24	7	17	24
Horticulture	High value crops	Community vegetable nursery for income generation	23.9.16	1	Umden mission	RY				6	12	18	6	12	18
Horticulture	Vegetable production	Scientific method of cucumber var. Malini	24.9.16	1	Umrynjah	PF				1	9	10	1	9	10
Horticulture	Nursery manageme	Production of Health seedlings for	31.10.16	1	Umeit	RY				6	7	13	6	7	13

	nt	obtaining higher yield in vegetable crops														
Horticulture	Production technology	Use of low cost polyhouse technology for nursery raising and flower production	18.11.16	1	Marmain	PF				21	26	47	21	26	47
Horticulture	Flower cultivation	Cultivation and management of tissue cultured plants of gerbera under low cost polyhouse	14/12/16-15/12/16	2	Umeit	PF				10	8	18	10	8	18
Horticulture	Flower cultivation	Cultivation and management of tissue cultured plants of gerbera under low cost polyhouse	16/12/16		Liarkhla	PF				2	20	22	2	20	22
Horticulture	Resource conservation	Mulching with crop residues in winter vegetables for moisture conservation	22/12/16	1	Kyrdem	PF				4	16	20	4	16	20
Horticulture	Nursery production	Community nursery for production of quality planting materials	29/12/16	1	Umeit	PF				4	7	11	4	7	11
Horticulture	CDP	Good agricultural practices for vegetable cultivation under Community Development Programme	20/1/2017	Jarei basai	1	PF & EF				32	45	82	32	45	82
	Orchard management	Training cum awareness on Irrigation and management of citrus fruits	20/03/17	1	Quinine	PF				34	35	69	34	35	69
Home Science	Kitchen garden	Kitchen garden for rural families	3/6/2016-4/6/2016	2	Nonglakhiat	PF				1	21	22	1	21	22

Soil Science		Promotion of Biofertilizer in Sali Paddy for Higher productivity	30/06/2016	1	Kdonghulu	**Farmer & Farm women**				18	14	32	18	14	32
Soil Science		Soil amelioration through Liming in Maize to enhance productivity	5/07/2016	1	Krydem	**Farmer & Farm women**				9	27	36	9	27	36
Soil Science		INM in Sali Rice Cultivation	19/08/2016	1	Nongthymai	**Farmer & Farm women**				10	28	38	10	28	38
Soil Science		Cultivation of Rice by Using Organic Sources of Nutrients	21/08/2016	1	Mawbri	**Farmer & Farm women**				13	18	31	13	18	31
Soil Science		Use of Azolla for Sali rice cultivation	06/09/2016	1	Kyrdem	**Farmer & Farm women**				9	19	28	9	19	28
Soil Science		Soil Health Management	05/10/2016	1	Umden Mission	**RY**				13	9	22	13	9	22
Soil Science		Soil fertility Management for vegetable crop (Capsiccum)	15/11/2016	1	Marnger	**Farmer & Farm women**				13	22	35	13	22	35
Soil Science		Production of Vermicompost for sustainable agriculture	18/11/2016	1	Marmain	**EF**	3		3	5	4	9	8	4	12
Soil Science		Soil Health Management through Organic Farming	20/01/2017	1	Jarebasai	**Farmer & Farm women**				37	45	82	37	45	82
Soil Science		Soil Testing and organic fertilization for sustainable agriculture	31/01/2017	1	Mawlong	**Farmer & Farm women**				29	32	61	29	32	61
Soil Science		Biofertilizer for Capsiccum	02/02/2017	1	Thadnangiaw	**RY**				10	36	46	10	36	46
Soil Science		Integrated Nutrient manaement in Rajmah	15/02/2017	1	Krydem	**Farmer & Farm women**				8	22	30	8	22	30
Soil Science		Cultivation of Tomato by using organic sources of Nutrients	16/02/2017	1	Liarshuid	**RY**				4	37	41	4	37	41

Soil Science		Soil Health Management for Sustainable agriculture	03/03/2017	1	Umrenjah	**Farmer & Farm women**				13	14	27	13	14	27
Soil Science		Soil testing for proper nutrient management for crop cultivation	28/03/2017	1	Umsahmatan	**Farmer & Farm women**				17	24	41	17	24	41

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	**Date (From – To)**	**Duration (days**	**Area of training**	**Training title***	**No. of Participants**									**Impact of training in terms of Self employment after training**				**Whether Sponsored by external funding agencies (Please Specify with amount of fund in Rs.)**
					General			**SC/ST**			**Total**							
					M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**Type of enterprise ventured into**	**Number of units**	**Number of persons employed**	**Avg. Annual income in Rs. generated through the enterprise**	
Flower	22/2/17 – 22/3/17	25	Flower cultivation	Floriculturist Protected Cultivation				3	17	20	3	17	20	Post training follow up is going on				ASCI (Rs. 158800)
Mushroom	22/2/17 – 22/3/17	25	Mushroom	Mushroom grower-small entrepreneur				3	17	20	3	17	20	Post training follow up is going on				ASCI (Rs. 158800)

Flower cultivation	21/1/17 to 27/1/17	7	Flower cultivation	Protected cultivation of high value crops for sustainable income generation				5	10	15	5	10	15	Post training follow up is going on				KVK (Rs. 10000)
Vermicompost	18/02/2017 to 24/02/2017	7	Soil Science	Low cost vermicompost Production				7	11	18	7	11	18	Constructed and practicing vermicomost production	5	10	40, 000	10,000
Pulses	6-12 Feb 2017	7	Agronomy	Seed production of pulses							7	9	16					10000
Bee keeping	30Jan-4Feb2017	7	Plant protection	Scientific bee keeping							7	10	17					10000

*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		
Skill -on	RY	22/2/17 – 22/3/17	25 (200 hrs)	Horticulture	Floriculture	Floriculturist - Protected Cultivation				3	17	20	3	17	20	ASCI	158800
Skill-on	RY	22/2/17 – 22/3/17	25(200 hrs)	Plant Protection	Mushroom	Mushroom growers-small entrepreneurs				3	17	20	3	17	20	ASCI	158800
On	RY	19/1/17	1	Horticulture	Capacity building	"Vegetable and flower cultivation in open and polyhouse" under the Capacity building for adoption of technology (CAT)				20	7	27	20	7	27	NABARD	26000
Total			**61**							**26**	**41**	**67**	**26**	**41**	**67**		**343600**

3.4. Extension Activities (including activities of FLD programmes) (Please mention specific Extension Activity conducted by the KVK such as Field Day, Kisan Mela, Exhibition, Diagnostic Visit, etc) during 2016-17

Sl. No.	Extension Activity	Topic	Date and duration	No. of activities	Participants											
					General (1)			SC/ST (2)			Extension Officials (3)			Grand Total (1+2)		
					M	F	T	M	F	T	M	F	T	M	F	T

1	**Field Day**	• HYV OF Maize • SRI on Paddy • Maize-Blackgram cropping system • HYV of Pea (Var.Azad) • HYV of Pea (Var.Azad) • **Production of high value vegetable crops under low cost polyhouse** • **Rajmah Cultivation** • **Production of Rajmah var. Tripura Sel1**	•8.9.16 •7.11.17 •23.11.16 •6.3.17 •9.3.17 •**22/09/2016** •**16/11/16** •**22/11/16**	**1** **1** **1** **1** **1** **1** **1** **1**				**5** **20** **6** **10** **7**	**15** 10 9 20 53	20 30 15 30 60						
2	**Advisory services**			**32**				**130**	**358**								**488**
3	Diagnostic visit			**79**				**62**	**140**								**202**
4	Group Discussion			**14**				**183**	**445**								**628**
5	Kishan Gosthi																
6	Kishan Mela			**2**				**220**	**545**								**765**
7	Film show			15				**209**	345								554
8	SHG formation																
9	Exhibition																
10	Scientists visit to farmers fields			121													
11	Plant/ Animal Health camp																
12	Farm science club																
13	Ex-trainee Sammelan																
14	Farmers seminar/ workshop																
15	Method demonstration			23				**125**	165								290
16	Celebration of important days																
17	Exposure visits		18/10/16-21/10/16 2/11/16-3/11/16 16/11/16-17/11/16 23/11/16-27/11/16 15/03/17-16/03/17	1 1 1 1 1				10 28 31 8 20	5 10 0 0 0	15 38 31 8 20				10 28 31 8 20	5 10 0 0 0	15 38 31 8 20

			28/3/17-30/3/17	1				20	0	20				20	20	20
18	Electronic media (CD/DVD)															
19	Extension literature		• Technical Bulletin • Research Publication • Leaflets	4 8 5 2												
20	Newspaper coverage			10												
21	Popular articles															
22	Radio talk	Production technology of gerbera under low cost polyhouse Package of practices for cultivation of turmeric	5/7/16 19/7/16	1 1												
23	TV talk			2												
24	Training manual			1												
25	Soil health camp															
26	Awareness camp			3												
27	Lecture delivered as resource person			15				**182**	216							398
28	PRA			1												30
29	Farmer-Scientist interaction			5												55
30	Soil test campaign															
31	Mahila Mandal Convener meet															
32	Farmers visit to KVK			594				**1050**	1167							2217
33																
Grand Total				**945**												**8890**

3.5 Production and supply of Technological products during 2016-17

A. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Number of recipient/ beneficiaries		
					General	SC/ST	Total

CEREALS	Maize	RCM-75	1.0	6500	2	8	10
		RCM-1-2	1.0	6500	4	16	20
		DA-61 A	0.40	2600	2	18	20
OILSEEDS	Groundnut	ICGV-86564	0.90	2700	2	8	10
		ICGS-76	0.80	2400	2	8	10
	Toria	TS-67	0.45	2340	1	9	10
PULSES	Blackgram	KU-301	0.20	4000	10	10	10
VEGETABLES							
FLOWER CROPS							
OTHERS (Specify)							

A1. SUMMARY of Production and supply of Seed Materials during 2016-17

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Number of recipient/ beneficiaries		
				General	SC/ST	Total
1	CEREALS	0.24	15,600	8	42	50
2	OILSEEDS	0.215	7,440	5	25	30
3	PULSES	0.02	4,000	10	10	10
4	VEGETABLES					
5	FLOWER CROPS					
6	OTHERS					
TOTAL		**0.475**	**27,040**	**23**	**77**	**90**

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

Major group/class	Crop	Variety	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
					General	SC/ST	Total
Fruits							
Spices	Ginger	Nadia	3.5 qts	8,500	1	4	5
	Turmeric	Megha Turmeric-1	10 qts	20,000	2	8	10
Ornamental Plants							
VEGETABLES	Cabbage	Wonderball	0.015	1500	2	8	10
	Broccoli	Green Magic	0.02	2000	2	8	10
	Tomato	MT 3	0.015	1500	1	9	10
	Knol Khol	Earliest	0.016	1600	2	8	10
	Cauliflower	Local	0.012	1200	2	8	10
Forest Spp.							
Plantation crops							
Medicinal plants							
OTHERS (Pl. Specify)	Colocasia	Mukta Keshi	3.0	1,760	1	9	10

B1. SUMMARY of Production and supply of Planting Materials (In Lakh) during 2016-17

Sl. No.	Major group/class	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
				General	SC/ST	Total
1	**Fruits**					
2	**Spices**	13.5 q	28,500	3	12	15
3	**Ornamental Plants**	0.078	7,800	9	41	50

4	**VEGETABLES**					
5	**Forest Spp.**					
6	**Medicinal plants**					
7	**Plantation crops**					
8	**OTHERS (Specify)**	3.0 q	1,760	1	9	10
TOTAL		**16.5 q / 0.078**	**38,060**	**13**	**62**	**75**

C. Production of Bio-Products during 2016-17

Major group/class	**Product Name**	**Species**	**Quantity**		**Value (Rs.)**	**Number of Recipient /beneficiaries**		
			No	**(qt)**		**General**	**SC/ST**	**Total**
BIOAGENTS	**Trichoderma**	**T.harzanium**		**0.80**	**8000**		**40**	**40**
BIOFERTILIZERS								
1								
2								
3								
4								
BIO PESTICIDES								
1								
2								
3								
4								

C1. SUMMARY of production of bio-products during 2016-17

Sl. No.	**Product Name**	**Species**	**Quantity**		**Value (Rs.)**	**Number of Recipient beneficiaries**		**Total number of Recipient beneficiaries**
			Nos	**(kg)**		**General**	**SC/ST**	
1	BIOAGENTS	**T Harzanium**		**80**	**8000**		**40**	**40**
2	BIO FERTILIZERS							

3	BIO PESTICIDE							
	TOTAL			**80**	**8000**		**40**	**40**

D. Production of livestock during 2016-17

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

D1. SUMMARY of production of livestock during 2016-17

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

3.6. Literature Developed/Published (with full title, author & reference) during 2016-17

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.): **500 copies April to September 2016**

(B) Articles/ Literature developed/published

Item	Title /and Name of Journal	Authors name	Number of copies
Research papers			
1.	**Islam, Mokidul M**. and Kalita, D.C. *(2016)*; Weed dynamics and productivity of wetland rice as influenced by establishment methods and integrated weed management; *Bangladesh Journal of Botany, 45(1):9-16*, Gogoi, B., Das, R.P., **Barua, U.** and Baruah, R.(2016); Ethno-botanical survey of Garcinia Species of Assam; *International Journal of Bio-resource and Stress Management.* 7(4) Special: 752-755. Gogoi, B., Das, R.P. and Barua, U.(2016); Antioxidant activity of *Garcinia* species of Assam*;International Journal of Agriculture Sciences*. 8(29): 1611-1612. Barua, U., Das, R.P. and Gogoi, B. (2016). Chlorophyll estimation in some minor fruits of Assam; *Ecology, Environment and Conservation*. 22(4): 215-217. Gogoi, B., Das, R.P. and Barua, U. (2016). Morphological characters and floral biology of *Garcinia* species of Assam; *Ecology, Environment and Conservation*. 22(4): 361-365. **Islam, Mokidul** and Samajdar, T. and Nath, L.K. (2016): Gap analysis of rapeseed cultivation in West Garo Hills of Meghalaya; *Journal of Global Agriculture and Ecology*, **4**(2): 79-83. **Islam, Mokidul** and D.C. Kalita (2016): Studies on root phenology, productivity and economics of wetland rice (Oryza sativa L.) as influenced by establishment methods and weed management practices; *Indian Journal of Agricultural Research*, **50**(4):358-361. Mitra, Biplab, Samajdar, T. and **Islam, Mokidul** (21st April 2016 –online): Effect of weed control measures in jute under Terai Zone of West Bengal, India*;Environment and Ecology*, **35**(1): 84-87(Print: Jan-Mar 2017).		
Training manuals	Productivity enhancement technology of agriculture and allied sector in Ri-Bhoi district of Meghalaya	Mokidul Islam, Utpal Barua, Meghna Sarma, Mousumi G. Das, Eliza C. Syiemlieh, A.K. Tripathi, Sharmila Rai, Genialda Nongtdu, B.U. Choudhury and P. Bordoloi;	
Technical Report			
1.	Annual report 2014-15 of KVK, Ri-Bhoi	PC, KVK Ri-Bhoi, Staff of KVK	1
2.	Annual Action plan 2014-15 of KVK, Ri-Bhoi	PC, KVK Ri-Bhoi, Staff of KVK	1
3.	Monthly progress report of KVK Ri-Bhoi	PC, KVK Ri-Bhoi, Staff of	12

		KVK	
4.	Quarterly progress report of KVK Ri-Bhoi	PC, KVK Ri-Bhoi, Staff of KVK	4
5.	Quarterly Monitorable target report of KVK Ri-Bhoi	PC, KVK Ri-Bhoi, Staff of KVK	4
6.	Half yearly report	PC, KVK Ri-Bhoi, Staff of KVK	2
Book/ Book Chapter	Sweet potato based feeding system for pig in Ri-Bhoi district of Meghalaya; S.K. Baishya and U. Barua; in **Promotion of improved cultivation practices in agri and allied sector for food and nutritional security**; ICAR NEH, Nagaland Centre, Medziphema, Nagaland.		
Popular articles			
Technical bulletins	1. Enhancing Lentil production for nutritional security and sustainable rice-based production system in Garo Hills districts of Meghalaya under NFSM-Pulses project. The Director, ICAR Research Complex for NEH Region, Umiam, Meghalaya.pp.1-34.	1.Samajdar, T, **Islam, Mokidul,** Das, T.K., Singh, N.A.K. and Hajong, Rashmi (2016):	
	2. Success Stories on Technology Demonstrations in Ri –Bhoi District of Meghalaya	Mokidul Islam, Utpal Barua, Meghna Sarma, Mousumi G. Das, Eliza C. Syiemlieh, , Sharmila Rai, Genialda Nongtdu, P. Bordoloi and A. K. Tripathi	
	3. Protection of plant varieties and farmers rights- a perspective of Ribhoi district of Meghalaya	Utpal Barua, Mokidul Islam, G Nongtdu & AK Tripathi	
	4. Glimpses of Awareness programme on PMFBY in NE India	Asst Editor. Mokidul Islam	
Extension bulletins	Productivity enhancement technology of agriculture and allied sector in Ri-Bhoi district of Meghalaya	Mokidul Islam, Utpal Barua, Meghna Sarma, Mousumi G. Das, Eliza C. Syiemlieh, A.K. Tripathi, Sharmila Rai, Genialda Nongtdu, B.U. Choudhury and P. Bordoloi;	
Newsletter	April to September 2016 Vol II Issue 1	Editor : Mokidul Islam	500
Conference/ workshop proceedings	Indigenous food of Meghalaya :Workshop cum Exhibition of Traditional Farming and Indigenous food, during 25-27 Feb 2017		
Leaflets/folders	Rural composting in hilly ecosystem- an eco-friendly disposal of bio-degradable wastes and restoration of soil health for sustaining crop productivity.	Choudhury, B.U., Moirangthem, P., Verma, B.C., **Islam, Mokidul**, M., Kumar, Savita, Saikia, P. and Hazarika, S. (2016):	200
	In-situ soil moisture conservation thtough soil physical modification.	Choudhury, B.U., Moirangthem, P., D Bswas, **Islam, Mokidul**, Verma, B.C., Hazarika, S., M Zafar, Krishnappa R, Savita, and M Kumar	200

		(2016):	
e-publications			
Any other (Pl. specify)			
TOTAL			

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

(C) Details of Electronic Media Produced

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

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

SUCCESS STORY

A. "PRODUCTION OF OFF SEASON HIGH VALUE CROPS UNDER LOW COST POLYHOUSE"

An educated rural youth, Mr. Khlurpharnai Marwein under the guidance and assistance of SMS Horticulture KVK Ri-Bhoi cultivated Megha Tomato-3 under ployhouse during July-Sept, though tomato is not cultivated during this period of year due to heavy rainfall. An elaborative discussion was held among the SMS horticulture, Plant Protection and farmers about the low cost polyhouse technology and its usefulness for the cultivation vegetables especially during off season. They were made to convince how the technology can be exploited for the production of tomato, cucumber, capsicum during off season. The ployhouse can be made use to raise healthy vegetable nursery well in advance so that early transplanting can be achieved to catch early market. As we all know that "Seeing is Believing", the farmers were ready to form SHG's and start cultivating under low cost polyhouse. Mr. Khlurpharnai Marwein who is pioneer in this venture in the village was entrusted the responsibility to coordinate with the farmer SHG's and KVK for horizontal expansion of the technology.

B. "Expansion of Blackgram in Rainfed Agriculture"

Pulses have not become widely popular in the state and occupy a small share in the area and production under food grains. Blackgram is grown as sole crop mixed crop, sequence under rainfed or semi irrigated condition in kharif and summer season.

Under NFSM and TSP programme KVK, Ri-Bhoi initiated to introduce Blackgram cultivation in farmers field through FLD, Training and Field Day Programmes. The main objectives is to bring awareness among the farming community about the need of growing pulses as it provides nutritional security ,increase the cropping intensity and income besides improving soil health.

KVK Intervention

In the Year 2015-16 KVK, Ri-Bhoi started FLD Programme covering an area of 10 ha in the district covering 4 villages.Again in 2016-17 an area of 10.ha was covered with

- Demonstration
- Trainings
- Supply of seeds and manures
- Farmers led Extension

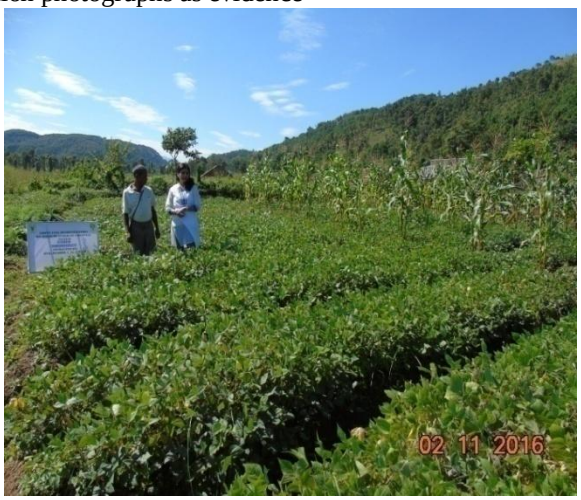
Horizontal Spread

After seeing the performance of the technology as it requires least care and also less investments are done from farmers side. The crop is of short duration in nature which is a added advantage for the farmers as they can go for next crop. The farmers from neighbouring villages came forward asking for seeds to try in their micro farming situation. A field day was conducted in Umeit Village in one of the farmers field to showcase the technology where many farmers from the village as well as neighbouring areas participated and witnessed the results.

Social and economic impact/ changes of the client system as results of the intervention/ technology by KVK

Name of the technology	Area (ha)	No. of farmers	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
2015-16 Popularization of HYV of Blackgram (var. Tripura Mashkalai)	10.0	35	7.2	15720	23500	7780	1.40
2016-17 Popularization of HYV of Blackgram (var. Tripura Mashkalai)	10.0	48	7.3	16200	25002	9702	1.54

Field level action photographs as evidence



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
1.	Mandarin/Citrus crops	Bamboo based drip irrigation system	Life saving irrigation to plants during the winter months of the year when there is severe water scarcity for normal crop growth

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

- **Identification of courses for farmers/farm women**
  1. Observation in the field situation
  2. Small group discussion
  3. Semi structured schedule followed by personal interview
  4. PRA tools

- **Rural Youth**
  1. Observation in the field situation
  2. Small group discussion
  3. Semi structured schedule followed by personal interview
  4. PRA tools

- **Extension personnel**
  1. Discussion with superior officers
  2. Job analysis
  3. Reports

3.11 Field activities

i. Number of villages adopted :11
ii. No. of farm families selected :130
iii. No. of survey/PRA conducted :6

3.12. Activities of Soil and Water Testing

Status of establishment of Lab : Mini Lab with Mridaparikshak
1. Year of establishment : 2015
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment			Qty.	Cost
	S&WT lab	Mini lab/ Mridaparikshak	Manufacturer		
1		Yes	NACPL, Hyderabad	1	75000.00
Total					

3. Details of samples analyzed (2016-17) :

Details	No. of Samples analysed	No. of Farmers	No. of Villages	Amount (In Rupees) realized
Soil Samples	1066	1066	17	
Water Samples				
Plant Samples				
Petiole Samples				
Total	1066	1066	17	

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

a. **No. of SHCs prepared:……650……**
b. **No. of farmers to whom SHCs were distributed:……650……**
c. **Name of the Major and Minor nutrients analysed: Organic Carbon, Available Nitrogen, Available Phosphorus, Available potassium, Sulphur, Zink, Boran, Iron.**
d. **No. of villages covered:……17……..**
e. **Soil health card based nutrient management in different crops (pl. submit in brief in separate page)**

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

Message type	Crop		Livestock		Weather		Marketing		Awareness		Other Ent.		Total	
	No. of Message	No. of Beneficia	No. of Message	No. of Benef	No. of Message	No. of Benef	No. of Message	No. of Benefi	No. of Message	No. of Benef	No. of Message	No. of Benef	No. of Message	No. of Benefi

		ry		icia ry		icia ry		ciar y		icia ry		icia ry		ciar y
Text only	**35**	**120**	**25**	**150**	**5**	**270**	**5**	**250**	**5**	**250**	**5**	**250**	**80**	**1290**
Voice only														
Voice and Text both														
Total	**35**	**120**	**25**	**150**	**5**	**270**	**5**	**250**	**5**	**250**	**5**	**250**	**80**	**1290**

3.14 Contingency planning for 2016-17

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				
Early Season Drought	Paddy-French Bean Paddy +Pea+Mustard	2.0 1.0		10	10
	Introduction of Short duration variety Paddy var. Vivekdhan 82, VL Dhan 61, Luit etc.	2.0		10	10
	Introduction of Resource Conservation Technologies				
Drought	Mulching with local weed biomass in the tree basin and providing life saving through bamboo based drip irrigation system to the mandarin orchard	6.5	-	20	20
	Distribution of seeds and planting materials				
	Any other (Please specify)				
Outbreak of pests and diseases due to unseasonal rains	• **Crop1- Paddy (Vegetative phase)** • During this phase, appearance of Blast disease maybe observed. As soon as one or two blast spots are seen, Carbendazim @ 1 g/lit of water is to be sprayed. **(Flowering phase)** • At flowering stage, the blast disease causes improper grain filling, poor milling recovery and chaffy ear h eads. Apply Carbendazim @ 1 g/lit of water. • There may be occurrence of Brown spot disease also. For this dry or wet seed treatment with carbendazim @ 1 g/kg of seed followed by one spraying of Mancozeb @ 2.5 g/lit maybe done at initial symptom development.	1.5		**10**	**10**
	• **Crop2- Maize** **(Flowering phase)** • During this drought season, the occurrence of Aphids in Maize crop at its vegetative stage is quite high. Long dry spells increase the incidence of this insect. This can be controlled by spraying Endosulfan (0.1%) or	1.0		**10**	**10**

	Monocrotophos (0.05%) at 80-90 DAS.				
	• **Crop3- Groundnut (Crop maturity stage)** • Collection and destruction of white grub adults must be done • Spraying the plants with Chloropyriphos 20 EC @ 2 ml/lit of water must be done.-	1.0		**10**	**10**
	• **Crop4- Black gram (Vegettive phase)** • During this dry spell, shot holes made by Beetles van be seen. This can be controlled by spraying Endosulfan @ 2ml/ lit of water	1.0		**10**	**10**

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

5.0. LINKAGES ESTABLISHED

5.1 Functional linkage with different organizations

Name of organization	**Nature of linkage**
Directorate of Agri & Hort	Coordination of Soil testing & Issue of SHCs, implementation of various activities
ATMA	Implementation of KVK activities, Sponsored training, etc
DRDA	MGNREGA and SGSY
District Training Office	Organizing training
DAO	Implementation of FLDs and organizing training
DHO	Implementation of FLDs and organizing training
DVO	Organizing training and vaccination camp
Soil & Water Conservation	Implementation of FLDs and organizing training
DFO	Implementation of FLDs and organizing training
NABARD, Nongpoh & Shillong	Financial assistance and logistic support for organizing seminar & training
NGOs (RRTC, Umran)	Organizing training,& Farmers Fair
PPF & FRA, New Delhi	Sponsoring of training programme on PPV & FR
CRIDA, Hyderabad	Climate Resilient Agriculture project
AIR, Shillong and DDK, Shillong, Leading newspapers of Meghalaya (Meghalaya Times & Guardian, Shillong Times)	Publicity of various KVK programmes

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

List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies during 2016-17

Name of the scheme	Activity	Date/ Month of initiation	Funding agency	Amount (Rs.)
Agriculture Skill council of India	**Skill Development Training**	**22/02/2017 to 22/03/2017**	**Agriculture Skill council of India**	**317600.00**
CAT Training	**Training**	**19/01/2017**	**NABARD**	**26000.00**
PPV&FRA	**Awareness Programme on PPV& FRA Act**	**25/03/2017**	**PPV & FRA, MoRD, Government of India**	**80,000.00**

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

Sl. No.	Programme	Nature of linkage	Remarks
1.	**Training & Demonstration**	**Selection of village & farmers**	

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 2016-17

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of estd.	Area	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	

6.2 Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Maize	27/4/2016	26/7/16	0.04	DA 61 A	Grain	1	2500	6500	
Maize	29/4/2016	28/7/16	0.03	RCM-76	Grain	1	2500	6500	
Pulses									
Black gram	5/8/2016	10/11/2016	0.02	KU-301	Grain	0.2	1000	4000	
Oilseeds									
Toria	22/11/2016	15/2/2016	0.06	TS-67	Grain	0.4	540	2160	
Soy bean	2/8/2016	11/11/20	0.03	JS-	Grain	0.2	300	1000	

		16		3335					
Groundnut	23/6/2016	3/12/2016	0.04	ICGS-76	Kernel	0.8	600	2400	
Groundnut	25/6/2016	4/12/2016	0.04	ICGV-86564	Kernel	0.9	700	2700	
Spices & Plantation crops									
Ginger	20/4/2016	15/12/2016	0.04	Nadia	Rhizome	0.3	3,000	7500	
Turmeric	13/4/2016	19/12/2016	0.08	Megha Turmeric 1	Rhizome	7.5	5,000	15,000	
Floriculture									
Gerberra	Dec/ 2015	-	Protected condition	Hybrid	Cut flower	189 nos.	160	567	
Vegetables									
cabbage	16/9/2016	21/1/2017	0.04	Hybrid -312	Vegetable	2.08	1500	3127.5	
Broccoli	16/9/2016	3/1/2017	0.04	Green Magic	Vegetables	1.6	2000	4785	
Pea	16/11/2016	7/2/2017	0.04	Arkel	Green pod	1.24	1800	3720	
Knol khol	16/9/2016	7/12/2016	0.01	Earliest	Vegetables	0.75	400	750	
Dhania	1/11/2016	2/1/2017	0.01	Nandhani	Vegetables	0.42	500	1713	
Cauliflower	16/9/2016	19/12/2016	0.03	Wonder ball	Curd vegetables	2.29	1900	3435	
Tomato	2/2/2016	11/5/2016	0.03	Arka samrat	Vegetables	0.69	700	1380	
a. Others (specify)									
Collocasia	5/5/2016	27/1/2017	0.02	Mukta keshi	Tuber seed	3	1800	3000	
Turmeric powder	-	-	-	Megha Turmeric 1	Powder	0.5	4000	7,575	

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

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1	T harzanium	80kg	5000	8000	

6.4 Performance of instructional farm (livestock and fisheries production)

Sl.	Name	Details of production	Amount (Rs.)	Remarks

No	of the animal / bird / aquatics	Breed/ species	Type of Produce	Qty.	Cost of inputs	Gross income	

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
				Male	Female	Total	Male	Female	Total
31.3.2016	**Efficient use of water through construction of Jalkund**	**PF**	**1**	**12**	**8**	**20**	**12**	**8**	**20**

6.6. Utilization of hostel facilities (Month-Wise) during 2016-17

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)**
April	Training, Official	2	3	6	
May	Training, Official	6	14	84	
June	Training, Official	2	19	38	
July	Training, Official	10	31	310	
Aug	Training, Official			262	
Sep	Training, Official			0	
Oct	Training, Official	13	12	156	
Nov	Training, Official			145	
Dec	Training, Official			285	
Jan	Training, Official	4	22	88	
Feb	Training, Official	4	8	32	
Mar	Training, Official			469	
Total				**1875**	
Grand total					

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

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	**Name of the bank**	**Location/ Branch**	**Account Number**
With Host Institute	NA	NA	NA
With KVK	State Bank of India	ICAR Complex Branch, Umiam- 793103	32427092435
Revolving Fund	State Bank of India	Barapani Branch, Umiam-793103	10228761292

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

Item	**Released by ICAR/ZPD**		**Expenditure**		**Unspent balance as on 31st March, 2015**
	Year	**Year**	**Year**	**Year**	
Inputs					
Extension activities					
TA/DA/POL etc.					

TOTAL					

7.3 Utilization of KVK funds during the year 2016 -17

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	**Pay & Allowances**	128.97	127.97	94.5741
2	**Traveling allowances**	3.0	3.0	0.99181
3	**HRD**	1.5	1.5	0.0
4	**Contingencies**	17.5	17.5	17.49063
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)		**159.097**	**149.97**	**114.55654**
B. Non-Recurring Contingencies				
1	**Works**	5.0	5.0	5.0
2	**Equipments including SWTL & Furniture**	1.05	0.5	0.5
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	8.0	8.0	7.01799
4	**Library** (Purchase of assets like books & journals)	0.75	0.0	0.75
TOTAL (B)		**14.8**	**13.5**	**13.26799**
C. REVOLVING FUND		0.0	0.0	0.0
GRAND TOTAL (A+B+C)		**165.77**	**163.47**	**127.82453**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2014 to March 2015	**172197**	**6372**	**0**	**178569**
April 2015 to March 2016	**178569**	**5688**	**0**	**184257**
April 2016 to March 2017	**184257**	**18383**	**4180**	**198460**

Note: No KVK must leave this table blank

8.0 Please include information which has not been reflected above.

(Write in detail)

8.1 Constraints

(a) Administrative: Lack of staff strength for smooth functioning of activities
(b) Financial: Untimely release of fund for various activities
(c) Technical : Lack Technical and supporting staff for easy dispose of activities

(Signature)
Sr. Scientist cum Head