PROFORMA FOR ANNUAL REPORT OF KVKS, 2015-16

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	
KVK, Tinsukia Gellapukhuri Road Tinsukia-786 125			kvktinsukia@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Assam agricultural University Jorhat-785 013	0376-2340013	0376-2340001	vc@aau.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. A. C. Sarmah		9435523760	amalchandra_sarmah@yahoo.co.in

1.4. Year of sanction: 2004

1.5. Staff Position **(As on 31st March, 2016)**

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. A. C. Sarmah	Programme Coordinator	Soil Science	37400 - 67000	63580	15.12.2008	Permanent	General
2	Subject Matter Specialist	Dr (Mrs.) Shahida Choudhury	Subject Matter Specialist	Horticulture	15600 - 39100	19810	22.01.2016	Permanent	General
3	Subject Matter Specialist	Mr. R. K. Nath	Subject Matter Specialist	Entomology	15600 - 39100	20590	08.11.2008	Permanent	OBC
4	Subject Matter Specialist	Mr. Perves Ahmed	Subject Matter Specialist	Agronomy	15600 - 39100	20590	10.11.2008	Permanent	General
5	Subject Matter Specialist	Dr. (Mrs.) A. Bordoloi	Subject Matter Specialist	Soil Science	15600 - 39100	16880	04.02.2014	Permanent	ST
6	Subject Matter Specialist	Mr. Mrinmoy Chetia	Subject Matter Specialist	Home Science	15600 - 39100	15600	19.10.2015	Permanent	OBC
7	Subject Matter Specialist	Vacant							
8	Programme Assistant	Dr. P. Deka	Programme Assistant	Animal Science	8000-35000	12400	01.11.2014	Permanent	OBC
9	Computer Programmer	Mr. A. Rajkhowa	Computer Programmer	Computer	8000-35000	13460	11.11.2008	Permanent	General
10	Farm Manager	Mr. P.K. Das	Farm Manager	Agril. Extension	8000-35000	12920	09.01.2009	Permanent	SC
11	Accountant / Superintendent	Mr. G. Baruah	Accountant / Superintendent	Accountancy	8000-35000	9210	11.03.2012	Permanent	ST
12	Stenographer	Mr C.S. Bora	Stenographer		5200-20200	6010	21.03.2012	Permanent	OBC
13	Driver	Mr. M. Moran	Driver		5200-20200	5930	21.03.2012	Permanent	MOBC
14	Driver	Mr. D. Bora	Driver		5200-20200	5930	22.03.2012	Permanent	General
15	Supporting staff	Mr. N. Neog	Supporting staff		5200-20200	11100	01.03.2006	Permanent	General
16	Supporting staff	Vacant							
	Total	**14**							

1.6. a. Total land with KVK (in ha) : 10
b. Total cultivable land with KVK (in ha): 7.1
c. Total cultivated land (in ha): 4.0

S. No.	Item	Area (ha)
1	Under Buildings (Administrative building+ Farmers' Hostel+ Staff Quarters)	0.25
2.	Under Demonstration Units	0.34
3.	Under Crops (Cereals, pulses, oilseeds etc.)	4.0
4.	Under vegetables	0.2
5.	Orchard/Agro-forestry	0.1
6.	Others (specify)	5.1

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	Oct 2012	260 m^2				
2.	Farmers Hostel							
3.	Staff Quarters (6)							
4.	Demonstration Units (1)	ICAR	July 2014		5 lakh			
5	Fencing							
6	Godown	RKVY	Aug 2015	120 m^2	10 lakh			

B) Vehicles

Type of vehicle	Regd. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep	AS 23E 0028	16.05.2006	Supplied directly from Host Institute	102000	Running
Tractor		29.03.2003	Supplied directly from Host Institute		Running

C) Equipments & AV aids

Name of the equipment	Year of Purchase	Cost	Present status
Overhead Projector	29.09.2003	18,905.00	Good
LCD Projector (Ben Q)-PB-6110	30.08.2006	55,016.00	Good
Digital camera (DIGIMAX A-40)	24.06.2006	15,080.00	Good
Public Addressing System	30.08.2006	23,175.00	Good
Desktop computer with accessories (PCS)	01.10.2005	Procured directly by the Host institute	Good
Laser Printer	01.10.2005	Procured directly by the Host institute	Good
Scanner	01.10.2005	Procured directly by the Host institute	Good
Steel Secretariat Table	06.03.2003	10,640.00	Good
Steel Armed Chair	06.03.2003	4,425.00	Cushion damaged
Steel Chair armless	06.03.2003	2,520.00	Cushion damaged
Student model training chair with writing desk	06.03.2003	36,994.00	Writing desk damaged due to high moisture
Steel almirah plain	06.03.2003	3,900.00	Good
Steel book case	06.03.2003	7,700.00	Good
Steel table wooden top	06.03.2003	9450.00	Wooden top damaged
Steel file cabinet	06.03.2003	9,000.00	Good
Steel bed	28.03.2003	59,500.00	Wooden top damaged
Full Secretariat Table –Steel N Style	27.05.2010	87,066.00	Good
Office chair revolving- Zuwari 916	27.05.2010	5432.00	Good
Office chair revolving - Zuwari 915	27.05.2010	32328.00	8nos. Good
Chair –Vision impex OC114	27.05.2010	3011.00	Good
Steel Almirah- Tata EconomyP1	27.05.2010	21410.00	Good
File Cabinet - Steel N Style, FCP1	27.05.2010	8607.00	Good
Book case – Tata Bookish P1	27.05.2010	9817.00	Good
Computer table –Zuwari 150	27.05.2010	5192.00	Need Repairing
Computer Chair-Zuwari907	27.05.2010	2392.00	Good
Desktop Computer	05.10.2010	33,217.00	Good
Laser Printer HP- LJ1505	05.10.2010	7,120.00	Good
Laptop HP- Probook4410	05.10.2010	31,547.00	Good
Scanner HP-G210	05.10.2010	2,724.00	Good
Inkjet Printer HP- 8000Pro	05.10.2010	7,476.00	Good
Phone			
Fax (Sharp)	22.09.2003	17,950.00	Need repairing
Fax (Brother)	09.04.2010	15,190.00	Good
Internet system V-sat	14.09.2010	78,014.00	NOT RUNNING
Photocopier (Sharp)	31.03.2003	67,499.82	Running
Generator set Kerosene operated	18.02.2004	47,213.00	Good
UPS -1kvA	01.10.2005		Good
Refrigerator 230lt -Samsung	31.05.2008	14062.50	Good
Digital camera –Sony cybershot	19.05.2010	19,000.00	Good
Photocopier-Kilburn	09.04.2010	1,01920.00	Good
LCD Projector – Sony Lumen3000	16/07/2010		Good
Price Ticker Board	27.07.2010	90,800.00	Good

1.8. A). Details SAC meeting* conducted in the year 2015-16

Sl. No.	**Date**	**Name and Designation of Participants**	**Salient Recommendations**	**Action taken on last SAC recommendation**
1.	5.3.201	1. Dr. K.M. Bujarbaruah, Vice Chancellor, AAU, Jorhat	• Survey of potential area for organic	• Planting material

	6	2. Dr. H. C. Bhattacharyya, Director of Extension Education, AAU, Jorhat 3. Dr. G. N. Hazarika, Director of Research (Agri), AAU, Jorhat 4. Mr. Gopal Ch. Barthakur, DAIO, Agriculture, Tinsukia 5. Dr. S. Hussain, DPD, ATMA, Tinsukia 6. Dr. Tafiqul Rahman, RDEO (Veterinery) 7. Dr. A. C. Borbora, Chief Scientist, CRS, AAU, Tinsukia 8. Mr. Humrn Borah, AFO (Fishery), Tinsukia 9. Mrs. Renumoni Devi, District Social Welfare Officer, Tinsukia 10. Mr. Gogan Baruah, KASS 11. Mr. Mridul Dutta, Chief Coordinator, Makum Farmers Club, Tinsukia 12. Mr. Bonkim Moran, Farmer 13. Mr. Mukheswar kachari,, President, Margherita Orange Growers Society 14. Mr. Uttam Gogoi, Farmer 15. Mr. Suren Mura, Farmer 16. Mr. Diganta Baruah, Farmer 17. Mr. Bipul Handique, Farmer 18. Mr. Rubul Sah, Farmer 19.Mrs. Hiralaxmi Baruah, Aganbadi Worker 20. Mrs. Rupjyoti Gogoi, Farm Woman 21. Mrs. Runa Moran, Farm Women 22. Ms. Swapnajita Khotowal, Farm Woman 23. Dr (Mrs). Arunima Gogoi, Jr Scientist, CRS, AAU, Tinsukia 24. Mr. Ananta Chetri, Farmer 25. Mr. Pranab Jyoti Sonowal, Farmer 26.Mr. Dilip Sonowal, Farmer	cultivation in collaboration with state agricultural department. • Motivation of farmers for double cropping through Gaon Burah and demonstration on double cropping • Formation of farmers producer society in collaboration with NABARD • Development of Integrated Farming System Model • Exposure visit of farmers to Jorhat to show organic cultivation and Hydroponics. • Demonstration on poultry breed Kamrupa	production of black pepper was undertaken at KVK. • Demonstration on HYV sugarcane was undertaken with KASS.

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

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

S. No	Farming system/enterprise
1	Agriculture-Horticulture
2	Agriculture-Horticulture-Fishery
3	Agriculture-Horticulture-Animal Husbandry
4	Agriculture-Horticulture-Silviculture
5	Horticulture-Plantation crop

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

S. No	Agro-climatic Zone	Characteristics
1	Upper Brahmaputra Valley Zone	Rice is the most important agricultural crops of the zone. The zone compromises 80% of the tea growing areas of the state. Tea is growing mostly in upland situation having good drainage. Rape and mustard, sugarcane and pulse are other important crop of the state. The zone has high proportion of

		area under forest (30%). The cropping intensity is 127%. Sugarcane is an important crop in Golaghat, Jorhat, Sivsagar districts. Tinsukia and Dibrugarh districts account for most of the mandarin oranges presently grown in the state. Although, mono-cropping of rice is the dominant farming system but there is ample scope for raising multiple crops. Livestock raising is very commonly practiced in this zone.

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Red soil	High iron and aluminum concentration with acid range soil PH	23264
2	Sandy soil	High percentage of soil (40-50%) with less amount of silt and clay content	94631
3	Sandy loam	Towards sandy soil with same proportion of light and heavy fraction of mechanical separates	102662
4	Sandy clay	These soils are characterized by high CEC with considerable amount of clay content	199775

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

Sl. No	Crop	Area (ha)	Production (ton)	Productivity (kg /ha)
1	**Cereals**			
	Autumn Rice	5346	7595	1444
	Winter Rice	56890	97987	1749
	Summer Rice	85	253	2981
	Total Rice	62321	105835	1724
	Wheat	27	35	1292
	Maize	921	3455	3750
	Other Cereals & Small Millets	25	13	536
2	**Pulses**			
	Pea	1564	1063	680
	Greengram	238	196	827
	Lentil	3	1	463
	Blackgram	2000	1160	580
	Gram	6	4	642
	Arahar	97	91	942
	Other Pulses	40	21	526
	Total Pulses	3948	2536	642
3	**Oil seeds**			
	Rapeseed & Mustard	14462	10209	706
	Castor	6	3	579
	Niger	19	10	519
	Sesamum	64	36	573
	Total Oilseed	14551	10258	705
	Sugarcane	205	7579	36969
4	**Fibre crops**			
	Jute	7	72	1849
	Mesta	1	5	925
	Cotton	1	1	73
	Total fibre crops	9	78	1559

Source: Statistical Hand book of Assam, 2013; Directorate of Economics and Statistics Govt. of Assam.

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
Apr 15	319.5	26.7	16.8	81
May 15	241.0	29.4	21.9	82

Jun 15	528.5	30.5	22.4	88
July 15	351.0	33.0	22.3	80
Aug 15	615.0	30.9	23.9	86
Sept15	200.0	31.3	23.8	84
Oct 15	111.0	30.4	19.6	79
Nov 15	14.5	27.4	13.6	75
Dec 15	14.5	24.1	9.7	76
Jan 16	11.5	23.6	9.2	74
Feb 16	84.0	24.9	12.6	77
Mar 16	118.5	26.4	15.0	76

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

Category	Population (Nos.)	Production	Productivity
Cattle			
Crossbred	12749		
Indigenous	395788		
Buffalo	17247		
Sheep			
Crossbred	32		
Indigenous	290		
Goats	203779		
Pigs			
Crossbred	24448		
Indigenous	39896		
Rabbits			
Poultry	1201624		
Hens			
Desi			
Improved			
Ducks	223695		
Turkey and others	742		

Category	Area	Production	Productivity
Fish			
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

Note: Pl. provide the appropriate Unit against each enterprise

2.6 Details of Operational area / Villages (2015-16)

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Kakopothar	Kakopother	Kachijan, Talpothar, Mridongpothar, Litonggaon, Digholipothar gaon, Bormesai, Kothalguri, Filobari, Borali	Paddy, vegetables. Fruits, pulses. Forest products, livestock, fish, etc	• Gap in yield of crops like paddy, mustard, black gram, pea, potato etc • Low profitability from agril crops due to rise in production cost, unorganized marketing and lack of minimum support price. • Gap in yield of vegetables crops due to lack of knowledge and skills in nutrient management , non-adoption of IPM, low use of organic manures • Low yield in spices due to lack of knowledge in improved technology, non replacement of seed materials, non adoption of INM practices • Poor productivity of fruit crops due to inadequate care and maintenance of crops • Technological gap of fish production technology • Low productivity of milch cattle, problems in pig rearing, poultry etc. Low expansion of Seri cultural problems is due to pesticidal effects on eri, muga and silk worm.	Agriculture, Horticulture , livestock and fishery
2	Saikhowa	Saikhowa	Na Barmura, Aroimuria, Gulzarbasti, Kopahtoli, Hanhkhati, Kutipothar, kherbari, Talap Dangori,	Paddy, vegetables. Fruits, pulses. Forest products, livestock, fish, cocoon, pupa, etc		Agriculture, Horticulture , livestock, sericulture and fishery
3	Hapjan	Hapjan	Kordoiguri, Baghjan, Dighal tarang, Mesenka, Borgaon, Kac homari,	Paddy, vegetables. Fruits, pulses. Forest products, livestock, fish, etc		Agriculture, Horticulture , livestock, Sericulture and fishery
4	Itakhuli	Itakhuli	Panitola, Matiakhana, Hebeda, Sukani, Jengoni, Mamoroni, Tingrai, Bordubi, Kehang	Paddy, vegetables. Fruits, pulses. Forest products, livestock, fish, etc		Agriculture, Horticulture , livestock and fishery
5	Guijan	Guijan	Natungaon, Bajaltoli,Guijan Gellaphukhuri, Nokhrai, Borguri	Paddy, vegetables. Fruits, pulses. Forest products, livestock, fish, etc		Agriculture, Horticulture , livestock and fishery
6	Margherita	Margherita	Makumkilla, Inthem, Alubari, Janglu Kuruka, Powaimukh, Bajaloni, Ulup Gaon, Nagapothar, Borbeel,	Paddy, vegetables. Fruits, pulses. Forest products, livestock, fish, cocoon, pupa etc		Agriculture, Horticulture , livestock and fishery
7	Chapakhowa	Chapakhowa	Chapakhowa, Shantipur, Ghurmora, Ambikapur, Kundil	Paddy, vegetables. Fruits, pulses. Forest products, livestock, fish, etc		Agriculture, Horticulture , livestock and fishery

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2015-16

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	3	2	8	6	105	111	108	123
Horticulture	5	3	25	15	2	2	6	6
Plant Protection	2	2	6	6	2	2	4	4
Soil science	4	3	12	9	4	4	9	9
Animal science	1	1	15	15	4	4	16	26
THT	2	2	4	4	3	2	6	4
Home Science	2		6		2	2	6	6
Total	**19**	**13**	**76**	**55**	**122**	**126**		

Note: Target set during last Action Plan 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	60	42	1500	1288	75		10000	
Rural youth	26	19	500	473				
Extn. Functionaries	7	2	100	56				
Total	93	62	2100	1794				

Seed Production (ton.)		Planting material (Nos. in lakh)	
5		6	
Target	Achievement	Target	Achievement
30	203.1	0.2	0.4

Note: Target set during last Action Plan Workshop

3 B. Abstract of interventions undertaken during 2015-16

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	Varietal evaluation	Black gram	Low yield of local variety	Varietal performance of Black gram (PU-31)					Seeds, fertilizers, plant protection chemicals
2	Integrated Water Management	Sesamum	Crop damage due to water stagnation	Effect of surface drainage in sesamum					Seeds, fertilizers, plant protection chemicals
3	Soil health	Gerbera	Low yield	Organic and bio-fertilizers for cut-flower production of gerbera.-					Planting material, bio fertilizers
4	Organic farming	Cabbage	Degradation of soil due to long term chemical agriculture	Cultivation of organic cabbage					Seeds, Vermicompost, Biopesticides and insecticides, Rock phosphate
5	Varietal improvement	Sweet potato	Low yield	Performance of sweet potato varieties Kamala Sundari, SreeKonko, Gauri					Planting material, Fertilizers, Plant protection chemicals
6	Organic farming	Rice	Degradation of soil due to long term chemical	Organic Rice cultivation					Seeds, fertilizers,

3.1 Achievements on technologies assessed and refined during 2015-16

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	2
Seed / Plant production										
Water Management		1								1
Integrated Crop Management										
Integrated Nutrient Management	1	1	1		1		1			5
Integrated Farming System				1						1
Mushroom cultivation										
Drudgery reduction				1						1
Farm machineries										
Value addition										
Integrated Pest Management					2					2
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL	**1**	**2**	**2**	**2**	**3**		**1**		**1**	**12**

* *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	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds		1						1
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL		1						1

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitry	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	Varietal performance of Black gram	Low yield of local variety	Var - PU-31	Black gram	2	**1) Improved practice** i. Nos. of pods /plant – 11.5 ii) No of seeds / pod – 8.2 iii) Test wt. – 30.2 gm iv) Grain yield – 5.4 q/ha Net return: Rs.39600 **2) Farmers practice –** i. Nos. of pods /plant –9.7 ii) No of seeds / pod – 6.3 iii) Test wt. – 28.8 gm iv) Grain yield –4.7 q/ha Net return: Rs.33300	14.8% increase in yield over local variety		5.4 4.7
2	Effect of surface drainage in Sesamum	Crop damage due to water stagnation	Surface drain of Wide 25 cm, Depth 15 cm at 6 m interval	Sesamum	2	**1)With drainage** i) Plant population/m^2 - 84 ii) Seed yield – 8.2 q/ha Net return: Rs.61800 **2)Without drainage** i) Plant population/m^2 - 68 ii)Seed yield- 7.2 q/ha Net return: Rs. 52800	13.8 % increase in yield	Drainage increases plant stand and seed yield.	6.15 5.4
3	Organic and bio-fertilizers for cut-flower production of gerbera	Low yield	Enriched compost 10t/ha + Azospirillum and PSB @3.5kg/ha.	Gerbera	5	Plant population – 1, 11,000 nos. Length of spike – 28 cm Flower diameter- 9.2 cm Yield – 5 lakhs/ha Net return: 7 lakh/ha	-	-	2.1

4	Cultivation of organic cabbage	Degradation of soil due to long term chemical agriculture	• Rock phosphate @ 375 Kg/ha+ Vermicompost 5t/ha • Root dip treatment with AZB and PSB each @75g/1000 seedlings • Organic plant protection using bio pesticide & bio fungicide	Cabbage	5	**Imp Technology:** Yield: 198q/ha Wt of head: 1.6 kg **Farmers Technology:** Yield: 100 q/ha Wt of head: 820gm			3.8 3.2
5	Varietal trial of sweet potato-varieties	Low yield	Kamala Sundari, SreeKonko, Gauri	Sweet potato	3	**Variety & yield:-** Kamala Sundari 25.0 t/ha Gauri 21.2 t/ha Sree Konko 22.0 t/ha			4.3 3.6 3.8
6	OFT on Organic Rice	Degradation of soil due to long term chemical agriculture	Azolla @0.5 t/ha + 750 g Azospirillum + 750 g PSB/ha	Rice	2	**Imp Technology:-** Yield 3.4q/ha **Farmers Variety:** Yield: 3 q/ha	13.3% increase in yield		2.1 1.76
7	Acid soil management in Pulses	Low yield	Application of 33% lime requirement and 2% urea spray at pod initiation stage + RDF	Black gram	3	**Imp Technology:** Yield: 4.2q/ha **Farmers Practice** Yield: 3.9q/ha	7.7% increase in yield		3.15 2.34
8	INM in Toria	Low yield	45: 22.5:22.5 kg (NPK) per ha + Azotobacter and PSB@ 200g each per kg seed	Toria	3	**INM Technology:** Yield: 8.25q/ha Net return (Rs/Ha)- 17200.00 **Farmers Practice:** Yield: 5.9q/ha Net return (Rs/Ha)-10500.00	39.8 % increase in yield		3.26 2.45

9	IPM in Brinjal	Low yield due to Infestation of brinjal fruit and shoot borer	IPM module– 1.T.chilonis @50000/ha 2. Wood ash @ 200kg/ha 3.Clippings of infested shoots 4.Destruction of infested shoots 5. Need based insecticides	Brinjal	2	**With IPM -** Avg. Yield – 265q/ha Leaf infestation -16.4% Fruit infestation – 14.4% **Farmer's practice –** Avg. Yield – 228q/ha Leaf infestation -22.4 Fruit infestation – 20.4	16.22 % increase in yield	The farmers are interested in adopting Biocontrol practice	5.77 4.79
10	IPM in Okra	High infestation of pest of okra	IPM module- 1. YST@ 10 /ha 2. Carbofuran 3G@ 25 kg/ha 3. Paddy straw mulch 4.Destruction of infested shoots 5. Need based insecticides IPM	Okra	2	In progress			
11	Mixed cropping of tea with Khasi mandarin	No income from tea during Dec, Jan & Feb	Tea + Khasi mandarin	Mix cropping	2	In progress Tea Leaf yield at 3rd Yr – 6.4 q/bigha			

12	Performance of Hand shears for plucking tea leaves	Labour shortage during peak plucking season	Hand shears for plucking tea leaves	Tea Mechanization	3	Fine leaf % Manual plucking= 60% Shear plucking= 54% No of plucking round Manual plucking= 23 Shear + Manual plucking= 28 Green leaf yield/bigha Manual plucking= 1725 Kg Shear plucking= 1920 Kg			
13	Performance of different poultry breeds	Low productivity of local breeds	Kamrupa Gramapriya Srinidhi	Poultry	15	**Parameter -** **Kamrupa** Body wt (kg)at laying- 1.86 Age at first laying :152 D Eggs prod. (No) 110 Egg wt (kg) 0.052 Mortality (%) 6 **Grampriya** Body wt (kg)at laying- 2.61 Age at first laying :149 D Eggs prod. (No) 113 Egg wt (kg) 0.068 Mortality (%) 7 **Srinidhi** Body wt (kg)at laying- 1.99 Age at first laying : 164 D Eggs prod. (No) 53 Egg wt (kg) 0.058 Mortality (%)12			

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

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

3.2 Achievements of Frontline Demonstrations during 2015-16

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

List of technologies demonstrated during previous year and popularized during 2014-15 and recommended for large scale adoption in the district

Sl. No	Crop/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
1	Toria	TS 38	3	30	20
2	Sugarcane	Variety Barak	3	10	12
3	Poultry	Vanaraja	2	50	

**** 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)		
					Proposed	Actual	SC/ ST	Others	Total			N	P	K
1.	Rice	Relay cropping	Relay cropping of pea in rice	Rabi 15-16	1	0.4	1	1	2		Rainfed sandy loam	246.9	8.8	174.7

2.	Toria	ICM	ICM in toria	Rabi 15-16	2	2	9	1	10		Rainfed sandy loam	290.7	13.9	228.5
3	Toria	Varietal Evaluation	TS-38	Rabi 15-16	10	10	11		11		Rainfed sandy loam	312.6	15.1	201.6
4		Varietal Evaluation	TS- 67	Rabi 15-16	10	10	7	12	19		Rainfed sandy loam	300.1	13.1	255.4
5	Pea	Varietal Evaluation	HUDP-15	Rabi 15-16	10	10		26	26		Rainfed sandy loam	271.9	10.8	201.6
6	Lentil	Varietal Evaluation		Rabi 15-16	10					Non availability of seeds in time	Rainfed sandy loam	-	-	-
7	Potato	Varietal Evaluation	Kufri Pokhraj	Rabi 15-16		4	32		32		Rainfed sandy loam	262.6	14.6	228.5
8	Wheat	Varietal Evaluation	HD-2967	Rabi 15-16		7		23	23		Rainfed sandy loam			
9	Black gram	Varietal Evaluation	PU 31	Summer 16	10	6	7	12	19		Rainfed sandy loam	293.8	14.1	188.2
10	Sugarcane	Varietal performanc e	Popularization of sugarcane variety Barak	Kharif, 2015		0.5	3	3	6		Rainfed sandy loam	312.6	15.1	201.6
11	Rice	Soil Health	Effect of Zn on rice Soil application of ZnSO4 @ 25 kg/ha	Kharif 2015	1	1	1	1	2		Rainfed sandy loam	303.2	13.1	208.3
12	Rice	Soil health	Nitrogenous fertilizer application through Azolla in rice	Kharif 2015	1	1	1	1	2		Rainfed sandy loam	281.3	11.8	215.0
13	Vermicom post		Low cost Vermi-compost production			5 nos.	1	1	2	In progress				
14	Banana	Tissue culture	Tissue culture(banana)	2015-16	0.13	0.13		2	2		Irrigated sandy loam	259.5	9.5	174.7

15	Brinjal-Okra	cropping sequence	Brinjal- okra cropping sequence in Brinjal	Rabi 15-16	0.13	0.13	1	1	2		Irrigated sandy loam	268.8	9.8	201.6
16	Sugarcane	Planting material production	Demonstration cum pest and disease free plating material production of high yielding sugarcane variety	Kharif, 2015	0.13	0.13	on station				Rainfed sandy loam	335.5	25.9	33.5
17	Khasi mandarin	Pest management	Citrus Trunk borer management in Khasi mandarin	Kharif, 2015	0.26	0.26		2	2		Rainfed	256.3	11.0	215.0
18	Tea	Frame formation	Frame Formation in young tea		0.39	0.39			2		Rainfed			
19	Tea	Biocontrol	Biological control of Helopeltis		0.39	0.39			2		Rainfed			
20	Fodder		Fodder production and quality enhancement - Congo Signal	Perennial	0.39	0.39	1	2	3	In progress		256.3	11.0	215.0
21	Poultry		Breed introduction Breed – Vanaraja			10 (20)								
22	Duck		Breed-Khaki Campbell			5 (20)					Rainfed			

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	Rice	Relay cropping of pea in rice	0.4	6.7	5.9	13.5	6.8	6.6			13200	53600	40400	4.06	15500	47200	31700	3.05
2	Toria	ICM	2	11.25	7.78	44.6	12.2	10.5			15430	33450	18020	2.17	15430	23340	7910	1.51
3	Toria	Varietal Evaluation	10	11.25	8.6	30.81	11.9	10.8			15430	33750	18320	2.18	15430	25800	10370	1.67
4		Varietal Evaluation	10	9.38	7.5	25.07	10.1	8.2			15430	28140	12710	1.84	15430	22500	7070	1.45
5	Pea	Varietal Evaluation	10	7.2	6.1	18.03	7.6	6.8			15595	57600	42500	3.6	15595	48800	33205	3.1
6	Potato	Varietal Evaluation	4	102	87	17.24	119.3	91.5			65000	102000	54800	1.6	65000	87000	22000	1.4
7	Wheat	Varietal Evaluation	7	In progress														
8	Sugarcane	Popularization of sugarcane variety Barak	0.5	650	-	-					50200	195000	144800	3.88				
9	Black gram	Varietal Evaluation	6	In Progress														
10	Rice	Effect of	1 ha	55.67	48.32	15.2	56.7	54.9			3695	6123	2428	1.6	3445	5315	1870	1.54

		Zn on rice Soil application of ZnSO4 @ 25 kg/ha					1	0			0	7	7	6	0	2	2	
11	Rice	Nitrogenous fertilizer application through Azolla in rice	1 ha	51.24	46.78	14.23 :	53.1	49.4			35600	56364	20764	1.58	33100	51458	18358	1.55
12	Vermi compost	Low cost Vermi-compost production	5 nos	42 kg/m2	On going													
13	Banana	Tissue culture (banana)	0.13 ha	80	40	100	87	73			81425	240000	158575	2.95	55100	120000	64900	2.18
14	Brinjal-Okra	Brinjal-okra cropping sequence in Brinjal	0.13 ha			In Progress												
15	Khasi mandarin	Citrus Trunk borer management in Khasi mandarin	0.26 ha	2.6 lakh nos./ha	2.1 lakh nos./ha	23.80	3.2 lakh nos	2 lakh nos	8-10% pest incidence	65%	0.6 lakh	3.2 lakh	2.6 lakh	4.33	0.55	2.7	2.10	3.5
16	Sugarcane	Demonstration cum pest and disease free	0.13 ha			In progress												

		plating material production of high yielding sugarcane variety															
17	Tea	Frame Formation in young tea	0.39	In progress	First frame formation pruning (1st FFP) is done this year. No. of branches at 14" from ground is 10 (average)												
18	Tea	Biological control of Helopeltis	0.39	96.4 (Green leaf)	76.5(Green leaf)	26.01 (Green leaf)	99.2	94.5	Mortality 42.5 %	Mortality 47.2 %	48000	115860	67680	2.41	54000	91800	37800	1.7
19	Fodder	Fodder production and quality enhancement - Congo Signal	3	In progress													

***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 organized	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days	1	29.2.2016	3	22	25	
2	Farmers Training	1	16.11.2015	16	6	22	
3	Media coverage						
4	Training for extension functionaries						
5	Any other (Pl. specify)						
	Total	**2**		**19**	**28**	**47**	

e. Performance of FLD on Other Enterprises

(i) Farm Implements

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

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

(ii) Livestock Enterprises

Sl. No.	Enterprise/ Category (e.g., Dairy, Poultry etc.)	Thematic area	Name of Technology	No. of farmers	No. of units	No. of animals, poultry birds etc.	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
							Demo	Check		Demo	Check	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR	
1	Poultry	Breed introduction	Dual purpose poultry breed - Vanaraja	5	20	100	Parameter Body wt (kg) at 9 months M -2.53 F-1.64 At laying-1.72 Age at first laying : 149 D Egg prodn (No) 143 Egg wt (kg) 0.092 Mortality (%) 6	Parameter Body wt (kg) at 9 months M -1.67 F- 1.24 At laying-1.02 Age at first laying : 156 D Egg prodn (No) 76 Egg wt (kg) 0.062 Mortality (%) 4	51.5 32.3 88.2											
2	Duck	Breed introduction	High Egg production breed - Khaki camp	15	20	300	In progress													

			bell																

**** 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	

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

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

(v) Farm Implements and Machinery

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

f. Performance of FLD on Crop Hybrids

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

H-Highest recorded yield, L- Lowest recorded yield
****GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio***
Note: Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

3.3. Achievements on Training

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						Grand Total (x + y)
				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)	
I. Crop Production																						
Weed Management																						
Resource Conservation Technologies																						
Cropping Systems																						
Crop Diversification																						
Integrated Farming																						
Water management																						
Seed production																						
Nursery management																						
Integrated Crop Management																						
Fodder production																						

Production of organic inputs																					
II. Horticulture																					
a) Vegetable Crops																					
Production of low volume and high value crops																					
Off-season vegetables																					
Nursery raising																					
Exotic vegetables like Broccoli																					
Export potential vegetables																					
Grading and standardization																					
Protective cultivation (Green Houses, Shade Net etc.)																					
b) Fruits																					
Training and Pruning																					
Layout and Management of Orchards																					
Cultivation of Fruit																					

Management of young plants/ orchards																					
Rejuvenation of old orchards																					
Export potential fruits																					
Micro irrigation systems of orchards																					
Plant propagation techniques																					
c) Ornamental Plants																					
Nursery Management																					
Management of potted plants																					
Export potential of ornamental plants																					
Propagation techniques of Ornamental Plants																					
d) Plantation crops																					
Production and																					

Management technology																					
Processing and value addition																					
e) Tuber crops																					
Production and Management technology																					
Processing and value addition																					
f) Spices																					
Production and Management technology																					
Processing and value addition																					
g) Medicinal and Aromatic Plants																					
Nursery management																					
Production and management technology																					
Post harvest technology and value addition																					
III Soil Health and Fertility Management																					
Soil fertility management		1	1		32				32								32				32	32

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 Managemen																						

t																						
Disease Management																						
Feed management																						
Production of quality animal products																						
V Home Science/Women empowerment																						
Household food security by kitchen 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	1		1			22		22				11		11				33		33		33
Storage loss																						

minimization techniques																						
Value addition	1		1			32		32				14		14				46		46		46
Income generation activities for empowerment of rural Women																						
Location specific drudgery reduction technologies																						
Rural Crafts																						
Women and child care																						
VI Agril. Engineering																						
Installation and maintenance of micro irrigation systems																						
Use of Plastics in farming practices																						
Production of small tools and implements																						
Repair and maintenance of farm																						

machinery and implements																					
Small scale processing and value addition																					
Post Harvest Technology																					
VII Plant Protection																					
Integrated Pest Management																					
Integrated Disease Management																					
Bio-control of pests and diseases																					
Production of bio control agents and bio pesticides																					
VIII Fisheries																					
Integrated fish farming																					
Carp breeding and hatchery management																					
Carp fry and fingerling																					

rearing																						
Composite fish culture																						
Hatchery management and culture of freshwater prawn																						
Breeding and culture of ornamental fishes																						
Portable plastic carp hatchery																						
Pen culture of fish and prawn																						
Shrimp farming																						
Edible oyster farming																						
Pearl culture																						
Fish processing and value addition																						
IX Production of Inputs at site																						
Seed Production																						
Planting material production																						
Bio-agents production																						
Bio-																						

pesticides production																						
Bio-fertilizer production																						
Vermi-compost production																						
Organic manures production																						
Production of fry and fingerlings																						
Production of Bee-colonies and wax sheets																						
Small tools and implements																						
Production of livestock feed and fodder																						
Production of Fish feed																						
X Capacity Building and Group Dynamics																						
Leadership development																						
Group dynamics																						
Formation and Managemen t 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	**2**	**1**	**3**		**32**	**54**		**54**	**32**			**25**		**25**			**32**	**79**		**79**	**32**	**111**

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																						

Cropping Systems																						
Crop Diversification																						
Integrated Farming																						
Water management																						
Seed production	1		1	25				25								25				25		25
Nursery management																						
Integrated Crop Management	7		7	130		11		141		13		36		49		143		47		190		190
Fodder production																						
Production of organic inputs																						
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops	3		3	75		5		80		14		5		19		89		10		99		99
Off-season vegetables																						
Nursery raising																						
Exotic vegetables like Broccoli																						

Export potential vegetables																					
Grading and standardization																					
Protective cultivation (Green Houses, Shade Net etc.)																					
b) Fruits																					
Training and Pruning																					
Layout and Management of Orchards																					
Cultivation of Fruit	1		1	25		0		25		0		4		4		25		4		29		29
Management of young plants/orchards																					
Rejuvenation of old orchards	2		2	46		2		48		0		0		0		46		2		48		48
Export potential fruits																					
Micro irrigation systems of orchards																					
Plant propagation																					

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

Production and Management technology																					
Processing and value addition																					
g) Medicinal and Aromatic Plants																					
Nursery management																					
Production and management technology																					
Post harvest technology and value addition																					
III Soil Health and Fertility Management																					
Soil fertility management																					
Soil and Water Conservation																					
Integrated Nutrient Management	2		2	50		0		50		0		0		0		50		0		50		50
Production and use of organic inputs	3		3	65		0		65		0		0		0		65		0		65		65
Management of Problematic soils																					

Micro nutrient deficiency in crops																						
Nutrient Use Efficiency																						
Soil and Water Testing																						
IV Livestock Production and Management																						
Dairy Management																						
Poultry Management																						
Piggery Management																						
Rabbit Management																						
Disease Management																						
Feed management																						
Production of quality animal products																						
V Home Science/Women empowerment																						
Household food security by kitchen gardening and nutrition gardening																						
Design and development of																						

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

VI Agril. Engineering																					
Installation and maintenance of micro irrigation systems																					
Use of Plastics in farming practices																					
Production of small tools and implements																					
Repair and maintenance of farm machinery and implements																					
Small scale processing and value addition																					
Post Harvest Technology																					
VII Plant Protection																					
Integrated Pest Management																					
Integrated Disease																					

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

Shrimp farming																					
Edible oyster farming																					
Pearl culture																					
Fish processing and value addition																					
IX Production of Inputs at site																					
Seed Production																					
Planting material production																					
Bio-agents production																					
Bio-pesticides production																					
Bio-fertilizer production																					
Vermi-compost production																					
Organic manures production																					
Production of fry and fingerlings																					
Production of Bee-colonies and wax sheets																					

Small tools and implements																					
Production of livestock feed and fodder																					
Production of Fish feed																					
X Capacity Building and Group Dynamics																					
Leadership development																					
Group dynamics																					
Formation and Management of SHGs																					
Mobilization of social capital																					
Entrepreneurial development of farmers/ youths																					
WTO and IPR issues																					
XI Agro-forestry																					
Production technologies																					
Nursery management																					
Integrated Farming Systems																					

TOTAL	**19**	**0**	**19**	**416**	**0**	**18**	**0**	**434**	**0**	**27**	**0**	**45**	**0**	**72**	**0**	**443**	**0**	**63**	**0**	**506**	**0**	**506**

(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 organic inputs																						
Integrated Farming																						
Planting material production																						
Vermi-culture																						
Sericulture																						
Protected cultivation of vegetable crops																						
Commercial fruit																						

production																					
Repair and maintenance of farm machinery and implements																					
Nursery Management of Horticulture crops																					
Training and pruning of orchards																					
Value addition																					
Production of quality animal products																					
Dairying																					
Sheep and goat rearing																					
Quail farming																					
Piggery																					
Rabbit farming																					
Poultry production																					
Ornamental fisheries																					
Para vets																					
Para extension workers																					
Composite																					

fish culture																						
Freshwater prawn culture																						
Shrimp farming																						
Pearl culture																						
Cold water fisheries																						
Fish harvest and processing technology																						
Fry and fingerling rearing																						
Small scale processing																						
Post Harvest Technology																						
Tailoring and Stitching																						
Rural Crafts																						
TOTAL																						

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																					
Production of organic inputs	3		3	60				60								60				60		60
Integrated Farming																					
Planting material production																					
Vermi-culture																					
Sericulture																					
Protected cultivation of vegetable crops																					
Commercial fruit production																					
Repair and maintenance of farm machinery and implements																					
Nursery Management of Horticulture crops																					
Training and pruning of orchards																					
Value addition	3		3	50				50		10		12		22		60		12		72		72

Production of quality animal products																						
Dairying																						
Sheep and goat rearing																						
Quail farming																						
Piggery	3		3	37		17		54		32				32		69		17		86		86
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	1		1	24		1		25								24		1		25		25
Tailoring and Stitching																						
Production and management technology	2		2	50				50								50				50		50
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																					
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																						
Gender mainstreaming through SHGs																						

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

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

Rejuvenation of old orchards																					
Protected cultivation technology																					
Formation and Management of SHGs																					
Group Dynamics and farmers organization																					
Information networking among farmers																					
Capacity building for ICT application																					
Care and maintenance of farm machinery and implements																					
WTO and IPR issues																					
Management in farm animals																					
Livestock feed and fodder production																					

Household food security																					
Women and Child care																					
Low cost and nutrient efficient diet designing																					
Production and use of organic inputs																					
Gender mainstreaming through SHGs																					
TOTAL																					

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

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

(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	
Horticultural crop	11.08.15 to	3	Integrated	Horti based	5	25	30				5	25	30					

	13.08.15		Farming	Integrated farming System for higher productivity														
Vermicompost	20.12.15 to 24.12.15	5	Production and use of organic inputs	Production and use of organic inputs for soil fertility management	20		20				20		20	commercial vermicompost	5 units	5 nos	Production is under going	
Banana	15.02.16 to 18.02.16	4	Rural craft	Entrepreneurship development through banana fiber product making				10	12	22	10	12	22					

*training title should specify the major technology /skill transferred

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

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 2015-16

Sl. No.	Extension Activity	Topic	Date and duration	No. of activities	Participants											
					General (1)			SC/ST (2)			Extension Officials (3)			Grand Total (1+2)		
					M	F	T	M	F	T	M	F	T	M	F	T
1.	**Advisory services**			**279**	**191**	**29**	**220**	**38**	**15**	**53**				**229**	**44**	**273**
2.	Diagnostic visit			**48**	**290**	**37**	**327**	**99**	**19**	**118**				**389**	**56**	**445**
3.	Field day			**2**	**28**	**9**	**37**	**21**		**21**				**49**	**9**	**58**
4.	Group Discussion															
5.	Kishan Gosthi															
	Kishan Mela			**2**	**27**	**11**	**38**	**218**	**56**	**274**	**3**	**1**	**4**	**248**	**68**	**316**
6.	Film show															
7.	SHG formation															
8.	Exhibition															
9.	Scientists visit to farmers fields			68	347	91	438	70	26	96				417	117	564
10.	Plant/ Animal Health camp															
11.	Farm science club															
12.	Ex-trainee Sammelan															
13.	Farmers seminar/ workshop															
14.	Method demonstration			13	149	55	204	54	19	73				203	74	277
15.	Celebration of important days															
16.	Exposure visits															
17.	Electronic media (CD/DVD)															
18.	Extension literature															
19.	Newspaper coverage			9												
20.	Popular articles			7												
21.	Radio talk			4												
22.	TV talk															
23.	Training manual															
24.	Soil health camp			2	12		12	32	38	70				44	38	82
25.	Awareness camp			1	15	6	21	4	5	9				19	11	30
26.	Lecture delivered as resource person			16	174	27	201	211	107	318				385	134	519
27.	PRA															

28.	Farmer-Scientist interaction															
29.	Soil test campaign															
30.	Mahila Mandal Convener meet															
31.	Any other (Please specify)															
32.																
Grand Total				**451**	1233	265	1498	747	285	1032	3	1	4	1983	551	2564

3.5 Production and supply of Technological products during 2015-16

A. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Number of recipient/ beneficiaries		
					General	SC/ST	Total
CEREALS	Rice	Ranjit	18	54000	97		97
OILSEEDS	Toria	TS-38	1.0	5000		11	11
		TS-67	1.0	4500	12	7	19
PULSES	Black Gram	PU 31	0.5	5000	14	7	21
VEGETABLES							
FLOWER CROPS							
OTHERS (Specify)							

A1. SUMMARY of Production and supply of Seed Materials during 2015-16

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Number of recipient/ beneficiaries		
				General	SC/ST	Total
1	CEREALS	1.8	54000	**97**		**97**
2	OILSEEDS	0.2	9500	12	18	30
3	PULSES	0.05	5000	14	7	21
4	VEGETABLES					
5	FLOWER CROPS					
6	OTHERS					
TOTAL		**2.05**	**68500**	**123**	**25**	**148**

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	Papaya	Sinta hybrid	0.01	20000			
Spices	Black pepper	Panniyur 1	0.02	20000			
Ornamental Plants	Tube rose bulb	Suvasini	0.02	6000			
	Zerbera	Red Jem	0.01	3000			
VEGETABLES	Cabbage	Golden Acre	0.02	2000			
	Cauliflower	Pusa Snowball	0.02	2000			
Forest Spp.							
Plantation crops	Shade tree seedlings		0.002	2000			

Medicinal plants							
OTHERS (Pl. Specify)	Fodder	Setarria	0.1	5000			
		Congo Signale	0.1	5000			
		Hybrid Napier	0.1	5000			

B1. SUMMARY of Production and supply of Planting Materials (In Lakh) during 2015-16

Sl. No.	Major group/class	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
				General	SC/ST	Total
1	Fruits	0.01	20000			
2	Spices	0.02	20000			
3	Ornamental Plants	0.03	9000			
4	VEGETABLES	0.04	4000			
5	Forest Spp.					
6	Medicinal plants					
7	Plantation crops	0.002	2000			
8	OTHERS (Specify) Fodder Cutting/Slips	0. 3	15000			
TOTAL		0.402	70000			

C. Production of Bio-Products during 2015-16

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient /beneficiaries		
			No	(qt)		General	SC/ST	Total
BIOAGENTS	**Earth Worm**	**E. euginea**		**0.1**	**2000**	**20**	**10**	**30**
BIOFERTILIZERS								
1								

2								
3								
4								
BIO PESTICIDES								
1								
2								
3								
4								

C1. SUMMARY of production of bio-products during 2015-16

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient beneficiaries
			Nos	(kg)		General	SC/ST	
1	BIOAGENTS	**E. euginea**		**0.1**	**2000**	**20**	**10**	**30**
2	BIO FERTILIZERS							
3	BIO PESTICIDE							
	TOTAL							

D. Production of livestock during 2015-16

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 2015-16

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 2015-16

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

(B) Articles/ Literature developed/published

Item	Title /and Name of Journal	Authors name	Number of copies
Research papers			
1.			
2.			
3.			
Training manuals			
Technical Report			
1.	ZREAC (Kharif) 2015 Report		
2.	ZREAC (Rabi) 2015-16 Report		
3.	Annual Action Plan 2016-17		
4.	Annual Report 2015-16		
Book/ Book Chapter			
Popular articles			
Technical bulletins			
Extension bulletins			
Newsletter			
Conference/ workshop proceedings			
Leaflets/folders			
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

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

Large scale adoption of High Yielding Sugarcane varieties

Sugarcane is an important Cash cum food crop grown extensively throughout Assam .The area under sugarcane in Tinsukia district is 205 ha with a production and productivity of 7579 tonne and 36969 kg/ha, respectively. Earlier the crop was grown extensively in Ulup and Philobari area of Tinsukia district. But due to low yield of local sugarcane variety, the farmers were not economically benefitted and left sugarcane cultivation.

KVK scientist of Tinsukia visited the sugarcane growing area and was observed that the low yield of sugarcane was due to high pest and disease incidence and growing of local cultivars.

The Scientist of KVK, Tinsukia organized training and demonstrated high yielding pest and disease tolerant variety (Barak) collected from Sugarcane Research Station, A.A.U.; Buralikson in 1 bigha area. The variety performed well and the farmers were able to get good harvest of the crop and interested in cultivating the crop again. Following the success the farmers extended its cultivation in 60 bigha area next year and presently the cultivation is spread horizontally in nearby villages covering an area of 110 bigha.

The District Sugarcane Development Officer helped them by providing Sugarcane Crusher and the farmers were also producing jaggery and getting remunerative returns. Because of its adaptability in the area, the variety became more popular amongst the farmers. Several youth came forward for its cultivation and got bumper harvest this year with a production of 40 tonne per ha with an economic return of Rs. 2, 16,000.00.

Economic upliftment through rearing of Vanaraja as backyard poultry:-

Tinsukia is mainly a tea and orange growing district of Assam has immense potentiality to develop the animal husbandry for backing up the rural economy. Backyard poultry is an inherent subsidiary support system to the farming community. Poultry has also a role to play in meeting with the nutrition of the masses. However, the production capacity of the local poultry and ducks is very poor and sometimes, combined with different disease outbreaks is discouraging to involve in large scale production.

Keeping in view the socio-economic environment of the operational area KVK, Tinsukia, has introduced and distributed a high yielding dual purpose well acclimatizable poultry chicks viz. Kamrupa from AAU developed by Project Directorate of poultry, Hyderabad under ICAR, New Delhi. More than 1200 chicks are distributed 100 farmers catering about 25 villages of different block area. Kamrupa birds started laying eggs at age group of 5-6 months and weighed up to 1.86 Kgs with an egg production of 110 nos. per bird. Farmers immensely glad to evident such high production.

Currently, the hatchable eggs of the Kamrupa birds are being given/sold to the neighboring as well as distant villages so as to cater the farming community of the district far and wide.

Further, the farmers are trained and demonstrated about the instillation and injection of vaccines against major poultry diseases. The areas adopting the vaccination on community basis to their backyard stock of poultry has really succeeded in protecting their birds. This drive of poultry production in backyard is expected to bring a discernible change in farming community in near future.

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

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

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK

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

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

3.11 Field activities

i. Number of villages adopted 2

ii. No. of farm families selected 50

iii. No. of survey/PRA conducted 2

3.12. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab :

1. Year of establishment : 2008
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost(Rs.)
1	Rotary Shaker (Tanco)-PLT-207 (2 sets)	1	22,275.00
2	General Shaker	1	16,500.00
3	Grinder (ICON)	1	15,750.00
4	Distillation Set (REICO)	1	39,280.00
5	pH meter	1	7,384.00
6	Kelplus Digestion & Distillation (PELICON)	1	2,48,484.00

7	Conductivity Meter	1	8673.00
8	Flame Photometer	1	22,490.00
9	Spectrophotometer	1	23,488.00
10	Electronic balance	1	32,500.00
11	Physical balance	1	4,500.00
12	Hot Air Oven	1	18,960.00
13	Hot Plate	1	3,000.00
Total		**13**	**463284.00**

3. Details of samples analyzed so far :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount (In Rupees) realized
Soil Samples	163	1630	10	
Water Samples				
Plant Samples				
Petiole Samples				
Total	163	1630	10	

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

Message type	Crop		Livestock		Weather		Marketing		Awareness		Other Ent.		Total	
	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary
Text only	**27**	**16313**	**4**	**4836**										
Voice only														
Voice and Text both														
Total	**27**	**16313**	**4**	**4836**										

3.14 Contingency planning for 2015-16

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
Flood	**Introduction of new variety or crop**				
	Rice variety for delayed planting – Gitesh, Prafulla	20ha	78	22	100
	Introduction of Resource Conservation Technologies				
Flood	**Distribution of seeds and planting materials**				
	Rice seedling	20ha	78	22	100
	Any other (Please specify)				

a. Livestock based Contingency planning

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

				camps			
Flood – Animal health camp			3	400	200	50	250

4.1. IMPACT

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

Name of specific technology/ methodology/skill transferred	**No. of participants**	**% of adoption**	**Change in income**	
			Before **(Rs./Unit)**	After (Rs./unit)
Preparation of pickle, squash, jam and jelly	175	68.33	20000/ Entpr	29,000/ Entpr
Vermicompost production	50	60.0	Rs. 12,000/ha	Rs. 31,000/ha
IPM in Sali rice	75	12.0	Rs. 8,750/ha	Rs. 20,800/ha
Increase income generation through breed up gradation Goatery	25	15	8000/ Entpr.	15,000/ Entpr.
Prophylactic measure for trunk borer control in khasi mandarin	30	60.0	45,000/ha	1,10,000/ha

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)

Case of large scale adoption of HY sugarcane varieties

Sugarcane is an important Cash cum food crop grown extensively throughout Assam .The area under sugarcane in Tinsukia district is 205 ha with a production and productivity of 7579 tonne and 36969 kg/ha, respectively. Earlier the crop was grown extensively in Ulup and Philobari area of Tinsukia district. But due to low yield of local sugarcane variety, the farmers were not economically benefitted and left sugarcane cultivation.

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The District Sugarcane Development Officer helped them by providing Sugarcane Crusher and the farmers were also producing jaggery and getting remunerative returns. Because of its adaptability in the area, the variety became more popular amongst the farmers. Several youth came forward for its cultivation and got bumper harvest this year with a production of 40 tonne per ha with an economic return of Rs. 2, 16,000.00.

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
ICAR Research Complex for NEH Region, Umium, Meghalaya	Participating Trainers' Training, conducting FLD Programme, Seminar etc.
Department of Agriculture, Govt of Assam	a) Joint Diagnostic visit b) Organization of training camps c) Zonal Workshop to discuss technical problems and solution in different areas d) PRA and other survey works
Department of Animal Husbandry & Veterinary, Tinsukia	Conducting training programme, animal health camp, vaccination camp etc.
Department of Fishery, Tinsukia	Conducting training
Department of Sericulture, Tinsukia	Conducting training
District Field Management Committee, Tinsukia	a) Organizing training b) Feedback on training and demonstration needs c) Follow up on the farmers performance after training
District Rural Development Agency, Tinsukia	a) Formation and management of SHGs b) Capacity building for entrepreneurship development in project areas
District Administration, Tinsukia	Preparation of district development plan Provided one small Hatchery unit
Ladies Club, Tinsukia	a) Organization of programmes for woman empowerment
District Small Tea Growers Association, Tinsukia	a) Feedback on training and demonstration b) Follow-up on the farmers performance
Cent RSETI	Conducting vocational on Agriculture and Animal Husbandry etc
Tea Board	Conducting training and demonstration at farmers field
Trustea	Conducting training and demonstration at farmers field

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

5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies during 2015-16

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

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage	Remarks
1	Training and demonstration	Providing resource person Organizing training Conducting demonstration	
2	Farmers fair	Participant	
3	Farmers Scientist Interaction	Providing resource person	
4	Assessment, refinement , validation and adoption of front line technologies and other short term researchable issues	Training and demonstration	

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 2015-16

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	
1	Vermicompost Unit	2014	9 m^3		Vermicompost	2 t			Use in the farm
	azolla Unit	2014	27m^3		Azolla	2 t			Used in OFT/ Farm

6.2 Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Rice	27/06/15	11/12/15	0.05	Black rice	Seed	0.5 q	60	1500	
Wheat									
Maize									
Any other									
Pulses									
Green gram	25/7/15		0.13	Pratap					Damaged by water stagnation due to

									heahy rain
Black gram	28/7/15		0.26	IPU 94-1					Damaged by water stagnation due to heahy rain
Arhar									
Lentil									
Ay other									
Oilseeds									
Mustard									
Soy bean									
Groundnut									
Any other Sesamum	22/07/15	3/11/15	0. 1	kaliabor local	seed	20	40	2000	Partially damaged by heavy rain during last week of August
Fibers									
i.									
ii.									
Spices & Plantation crops									
i.									
ii.									
Floriculture									
i.									
ii.									
Fruits									
i.									
ii.									
Vegetables									
i.									
ii.									
a. Others (specify)									

i. Sugarcane	10/04/15	12/03/2016	0.13	Barak	Planting Material	30	3000	9000	
ii.									

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

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	

6.4 Performance of instructional farm (livestock and fisheries production)

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

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting 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

6.6. Utilization of hostel facilities (Month-Wise) during 2015-16

Accommodation available (No. of beds) :

Months	Title of the training course/Purpose of stay	Duration of Training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Total					
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	State Bank of India	AAU, Jorhat	10987961514
With KVK	State Bank of India	Tinsukia	10987961514

Revolving Fund	State Bank of India	Tinsukia	30671495291

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 2015 -16

S.	Particulars	Sanctioned (in	Released	Expenditure

No.		Lakh)	(in Lakh)	(in Lakh)
A. Recurring Contingencies				
1	**Pay & Allowances**	93.90		90.83
2	**Traveling allowances**	1.90		1.55
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	15.1		
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)		**110.9**		
B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipments including SWTL & Furniture**	4.0		
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**114.9**		

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 2013 to March 2014	121837	22563	25620	118780
April 2014 to March 2015	118780	27778	25900	122058
April 2015 to March 2016	122058	16040	20000	129636

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

(b) Financial

(c) Technical

(Signature)
Programme Coordinator