PROFORMA FOR ANNUAL REPORT OF KVKS, 2014-15

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, Sivasagar, Assam PO: Rahdoipukhuri Via Santak PIN : 785687 www.aau.ac.in/dee/kvksivasagar/index.html	NA	NA	kvksivasagar@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Assam Agricultural University, Jorhat -785013	0376-2340029	0376-2310708	registrar@aau.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Phuleswar Nath	NA	9954411012	phuleswarnath@rediffmail.com

1.4. Year of sanction: 2003

1.5. Staff Position **(As on 31st March, 2015)**

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. Phuleswar Nath	Programme Coordinator	Plant Pathology	37400-67000/-	58830	31.03.05	Permanent	OBC
2	Subject Matter Specialist	Mrs. Arunima Bharali	Subject Matter Specialist	Nematology	15600-39100/-	25810	06.11.08	Permanent	OBC
3	Subject Matter Specialist	Mr. Rupjyoti Borah	Subject Matter Specialist	Soil Science	15600-39100/-	25810	10.10.01	Permanent	OBC
4	Subject Matter Specialist	Miss Luna Barooah	Subject Matter Specialist	Horticulture	15600-39100/-	23610	04.08.11	Permanent	General
5	Subject Matter Specialist	Dr. Rafiqul Islam	Subject Matter Specialist	Animal Science	15600-39100/-	23610	05.08.11	Permanent	General
6	Subject Matter Specialist	Mr. Tridib Borbora	Subject Matter Specialist	Plant Breeding & Genetics	15600-39100/-	23610	09.01.09	Permanent	General
7	Subject Matter Specialist	Mrs. Trishnalee Saikia	Subject Matter Specialist	Agril. Economics	15600-39100/-	21630	07.11.08	Permanent	MOBC
8	Programme Assistant	Abdur Rahman	Prog. Asstt. (Fisheries)	Fishery Science	8000-35000/-	14110	08.09.11	Permanent	General
9	Computer Programmer	Sri Juga Rashmi Borah	Prog. Asstt.(Comp)	Computer	8000-35000/-	17820	11.11.08	Permanent	OBC
10	Farm Manager	Vacant			8000-35000/-				
11	Accountant / Superintendent	Miss Rashmirekha Saikia	Office Superintendant cum Accountant	Agri-Business Management	8000-35000/-	13690	22.02.12	Permanent	OBC

12	Stenographer	Mrs. Karabi Borgohain Phukan	Jr. Steno cum computer operator		5200-20200/-	9030	18.02.12	Permanent	OBC
13	Driver	Sri Joy Chandra Bora	Driver cum Mechanic		5200-20200/-	8180	22.02.12	Permanent	General
14	Driver	Sri Phanidhar Gogoi			5200-20200/-	8180	22.02.12	Permanent	OBC
15	Supporting staff	Baneswar Gogoi	Grade -IV		4560-15600/-	10560	09.02.1996	Permanent	OBC
16	Supporting staff	Vacant							
	Total								

1.6. a. Total land with KVK (in ha) : **13.7 ha**

b. Total cultivable land with KVK (in ha): 10 ha

c. Total cultivated land (in ha): 2 ha

S. No.	**Item**	**Area (ha)**
1	Under Buildings (Administrative building+ Farmers' Hostel+ Staff Quarters)	0.800
2.	Under Demonstration Units	0.014
3.	Under Crops (Cereals, pulses, oilseeds etc.)	2.000
4.	Under vegetables	
5.	Orchard/Agro-forestry	0.5
6.	Fisheries	0.65

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	19.7.2014	238	8498471.75		-	100% Complete
2.	Farmers Hostel	-do-	-			14.4.2009	305	Yet to be completed
3.	Staff Quarters (6)	-do-				14.4.2008	298	95% Complete
4.	Demonstration Units (2)	RKVY	9.10.2013 11.2.2014	237.87	2037304.00			100% Complete
5	Fencing	ICAR	26.7.2012	723	1425899.00	-	823	45% Complete

B) Vehicles

Type of vehicle	Regd. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Marshall Jeep	AS-03E-0029	2005-06		85763	Running
Power Tiller		2009	148000.00		Running

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Kilburn Mita Digital Copier	2006	48,360.00	Good
Digital photo copier	2010-11	101920.00	Good
2KVA Voltage stabilizer	2006	3,375.00	Good
Duplicating machine	2005	43,686.00	Not in working condition
Desktop Computer	2006	27,101.00	Good
Desk Top Computer	2010	55,094.00	Good
Laptop	2010	31547.00	Motherboard damaged
Laser Printer	2006	9,605.00	Not in working condition
Laser Printer	2010	5475.00	Not in working condition
1KVA UPS	2006	5,951.00	Not in working condition
Scanner	2006	3,549.00	Not in working condition
Scanner	2010	2724.00	Needs to repair
Digital Camera	2005-06	15,080.00	Not up to date
Digital Camera	2010	19000.00	Good
Fax Machine	2005-06	25,792.00	Not in use
Fax Machine	2010	15190.00	Not in use
Cassette Player with Amplifier	2005-06	5,625.00	Good
Microphone with stand	2005-06	6,300.00	Good
300 watts Sound Box with 15” Speaker	2005-06	11,250.00	Good
LCD Projector	2005-06	55,016.00	Good
UPS	2009-10	2150.00	Not in working condition
Weather station	2012	45,000.00	Good

1.8. A). Details SAC meeting* conducted in the year 2014-15

Sl. No.	**Date**	**Name and Designation of Participants**	**Salient Recommendations**	**Action taken on last**

				SAC recommendation
1.				

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

2. DETAILS OF DISTRICT

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

Sl. No	Farming system/enterprises
1.	Agri – Hort – AH
2.	Agri – Hort – AH – Fishery
3.	Agri – Hort – AH – Seri
4.	Hort – Agri
5.	AH
6.	AF – Agri

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

Sl. No	Agro-climatic Zone	Characteristics
1	Upper Brahmaputra Valley Zone	❖ This zone covers 160789 sq/ km ❖ Hot and wet summer climate ❖ Maximum temperature 37^{o}C ❖ Minimum temperature 7^{o}C ❖ Relative Humidity : 96% ❖ Heavy rainfall: March, April and May ❖ Very cold during January and February ❖ Dry weather: Mid October – Mid December

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1.	Inceptisol (Old Alluvial)	The texture of surface soil ranges from fie loamy, coarse loamy, coarse silty and fine soil. 58 percent of the soil area is categorized under fine loamy soil of inceptisol	136863
2.	Entisol (Recent Alluvial)		68116

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

Sl. No	Crop	Area (ha)	Production (Mt)	Productivity (kg/ha)
1	Winter paddy	106726.00	373541	3500
2	Autumn Paddy	445.50	922	2070
3	Summer paddy	13.78	27	2000
4	Wheat	84.20	59	710
5	Green Gram	30.50	20.7	680
6	Black Gram	250.00	177	710
7	Peas	333.00	193	580
8	Rapeseed & Mustard	1263.00	884	700
9	Sugarcane	87.00	5220	60000
10	Jute	58.75	616	10500
11	Banana	1887.00	28682	15200
12	Orange	185.00	300	1625
13	Pineapple	175.50	2562	14600
14	Papaya	151.00	1891	12525
15	Areca nut	3175.00	3365	1060
16	Coconut	493.00	-	80 nuts/plant
17	Litchi	43.00	183	4270
18	Mango	89.00	382	4300
19	Jackfruit	445.00	10956	24621
20	Assam lemon	810.00	5038	6220
21	Other fruits	22.00	121	5530
22	Onion	80.50	162	2020

23	Ginger	196.27	1095	5580
24	Turmeric	230.13	140	610
25	Chilli	100.34	68	680
26	Black pepper	42.20	21	500
27	Garlic	39.50	23	600
28	Coriander	24.00	-	-
29	Kharif vegetables	1882.00	16712	8880
30	Rabi Vegetables	3236.00	22684	7010
31	Potato	945.00	5953	6300

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
April, 2014	49.8	39.3	14.8	68.9
May, 2014	202.4	36	19.8	88.1
June, 2014	130.5	37	22.0	81.2
July, 2014	125.8	39	23.6	85.6
August, 2014	172.8	35	23.7	90.9
September, 2014	235	38.5	22.2	89.2
October, 2014	23.2	36.2	16.3	87
November, 2014	21.2	32.6	11.6	87.1
December, 2014	7.4	28.9	6.9	85.1
January, 2015	19.4	28.2	10.4	85.1
February, 2015	11.3	29.1	11.3	71.2
March, 2015	0.0	31.0	14.2	65.6

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

Category	**Population**	**Production**	**Productivity**
Cattle			
Crossbred	**15009**		

Indigenous	**449447**		
Buffalo	**27178**		
Sheep **271**			
Crossbred			
Indigenous			
Goats	**158757**		
Pigs	**62994**		
Crossbred			
Indigenous			
Rabbits			
Poultry **687506**			
Hens			
Desi			
Improved			
Ducks	**360564**		
Turkey and others			

Category	Area(Ha)	Production (MT)	Productivity
Fish	**44163**	**11100**	
Marine			
Inland	**44163**	**11100**	
Prawn			
Scampi			
Shrimp			

Note: Pl. provide the appropriate Unit against each enterprise

2.6 Details of Operational area / Villages (2014-15)

No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Sivasagar sub-Division	Sivasagar block	Batbari, Cherekapar, Nemuguri, Hanhsora, Gargaon, Rajabari, Rajmai, Bakata.	Rice, Tea, Horticulture crops	Pests and diseases, flood	Rice, Tea, dairy, piggery, fishery, Horticulture crops
		Demow block	Rajabari, Netaipukhuri, Sukhanpukhuri, Demow, Disangmukh, Panbesa, Konwarpur, Jhanji	Rice, mustard, vegetables and horticultural crops	Low productivity, pests and diseases.	Rice, mustard, vegetables, pea, black gram.

		Gaurisagar block	Rangpur, Rudrasagar, Magarkhat, Dikhowmukh, Kanamukh	Rice, vegetables, fishery, poultry, piggery.	Low productivity, pests and diseases. Flood occurrence.	Rice, fishery, vegetable crops, contingency planning.
2.	Amguri sub-division	Amguri block	Namti, Amguri, Lalimchiga, Khanikar, Samguri, Tarabari, Haluating	Rice, mustard, wheat, horticultural crop.	Pests and diseases. Low productivity of citrus.	Rice, horticultural crop, rejuvenation of citrus plantations.
3.	Nazira sub_division	Nazira block	Nazira, Simologuri, Namti, Galeki, Dhopabar, Hanhsora, Bartala, Ligiripukhari, Chauak, Bihubar, Mesagarh, Rohdoipukhuri.	Rice, wheat, jute, potato, sugarcane, piggery, fishery, dairy.	Low production, pest and disease incidence.	Management of production technology.
4.	Sonari sub-division	Sonari block	Lakua, Safrai, Sapekhati, Mathuranagar, Dolbagan, Borhat, Bhojo, tengapukhuri, Sepon, Abhoipur, Maibela.	Rice and horticultural crops, banana, pine apple, coconut, wheat.	Nursery raising, pest and disease problem	Rice, horticultural crops, pine apple, papaya, banana, coconut, mustard.

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2014-15

Discipline	OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)			
	Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Horticulture	2	2	6	5	3	3	9	9
Plant Breeding & Genetics	3	5	13	15	4	2	14	8
Plant Protection	2	2	6	6				
Animal Science	3	2	13	5	3	2	23	17
Total	**10**	**11**	**38**	**31**	**10**	**7**	**46**	**34**

Note: Target must be as 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	15	10	375	290	17	12	2325	1940

Rural youth	12	5	300	136	7	5	325	275
Extn. Functionaries	7	1	175	25	3	1	75	25
Total	34	16	850	451	27	18	2725	2240

Seed Production (ton.)		**Planting material (Nos. in lakh)**	
5		**6**	
Target	**Achievement**	**Target**	**Achievement**
5	4.1		

Note: Target must be as set during last Action Plan Workshop

3. B. Abstract of interventions undertaken during 2014-15

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	Paddy	Poor yield of Medium duration rice variety	Performance of HYv rice variety Mulagabharu in double crop situation of Sivasagar	Cultivation of medium duration high yielding rice variety 'TTB404' in double crop situation	Improved production technology of Sali rice			Seeds & Fertilizers
2	Varietal evaluation	Paddy	Poor performance of the varieties in semi deep water condition	Performance of HYV rice variety Podumoni KDML105 in semi deep water situation of Sivasagar	-	Improved production technology of Sali rice			Seed & fertilizer
3	Varietal evaluation	Paddy	Poor perfor mance of high yieldin variety in medium shallow to upland & Lack of high yielding medium duration variety	Performance of hybrid rice varieties in rainfed medium shallow land					Seed & fertilizer

4	Varietal evaluation	Paddy	Poor yield of the semi deepwater rice variety	Performance of semi deepwater rice variety Kmj SH1 & Kmj SH2					Seed
5	Plant Protection	Paddy	Stem Rot disease in paddy	Spraying of Hexaconazole (contaf) for controlling stem rot disease					Chemical
6	Nutrient management	Paddy-toria		Water and fertility management in rice-pea cropping sequence					
7	Soil test crop response studies	Paddy	Lack of fertilizer recommendation for targeted yield	Soil test crop response Correlation studies for winter paddy					
8	Integrated nutrient Management	Rajmah	Poor fertility management in pulse	INM in Rajmah var, HUR/203/SR1					Seed ,fertilizer & vermicompost

9	Seed production	Blackgram	Lack of availability of quality seed in blackgram		Foundation seed production in blackgram variety KU 301 & IPU94-1				Seed & fertilizer
10	Varietal evaluation	Marigold	Non availability of summer season varieties	Evaluation of summer marigold variety Seracole					Planting material, Fertilizers, Plant protection chemicals
11		Okra	Non availability of suitable high yielding varieties	Evaluation of okra var. VRO-6					-do-
12		Okra	Non availability of suitable spineless high yielding varieties		Performance of okra var. Arka Anamika				-do-
13		Pumpkin	Low quality and yield due to non availability of suitable high yielding varieties		Performance of pumpkin Var. Arjuna F1				Seeds

14		Colocasia	Low quality and yield due to non availability of suitable high yielding varieties		Performance of colocasia var. Ahina kochu				Planting material, fertilizers, plant protection chemicals
15		Pig	Lower productivity of local pig	Evaluation of Ghungroo pigs in Sivasagar district					Piglets, feed medicine, Vaccine etc.
16	Feeding Management	Tapioca	Higher cost of pig feed	Cultivation of tapioca for feeding of pig					Tapioca stem, fertilizer, Insecticide etc.
17	Breed Improvement	Pig	Lower productivity of Assam local pig		FLD on Cross bred Hampshire pigs			Field days etc.	Piglets, feed medicine, Vaccine etc.
18		Poultry	Lower productivity of local chicken		FLD on dual type backyard chicken var. Vanaraja			Field days, Training etc.	Day old chicks, feed, Vaccine etc.
19	Dairy Management					Scientific rearing of dairy cattle			
20	Poultry Management					Scientific rearing of broiler			

21	Piggery					Scientific rearing of pig			
22	Capacity building and group Dynamics								
23	Formation and management of SHGs								
24	Commercial Pisciculture	Fishery	Non adoption of recommend ate fish rearing practices			Composite culture of Carp and barb			
25	Mushroom production	Oyster mushroom				Scientific mushroom production			
26	Entrepreneurship Development					Entrepreneurship development of farmers			
27	Women empowerment					Income generating activities for empowerment of women SHGs			

28	Impact assessment							Impact Assessment of Technology Showcasing programme on paddy	

3.1 Achievements on technologies assessed and refined during 2014-15

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	4		1		1		1			7
Seed / Plant production	1	1	1							3
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management			1							1
Integrated Farming System										
Mushroom										

cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL	5	1	3		1		1			11

* *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					1			1
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL					2			2

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	Performance of HYV rice variety Mulagabharu in double crop situation of	Poor yield of Medium duration rice variety	HYV Medium duration Rice variety Mulagabharu **Fertilizer Dose:** 60:20:40 Kg N:P2O5:K2O/ ha	Rice (rice-potato – fallow/rice-toria-fallow)	3 (Chakimukh,Nazira & Kachupathar)	**Mulagabharu** DS: 22.6.2014-28.6.14 DT:18.7.14-22.7.14 DF: 24.9.14-28.9.14 DM:25.10.14-31.10.14 PH:93.3 cm PL: 23.26 cm EBT:16-21 Yield:5438.2 kg **TTB:404 (Check Variety)** DS: 22.6.2014-28.6.14	**Mulagabharu:** duration is suitable for double cropping, yield is satisfactory, grain quality and taste	Seedling length during transplanting is less, yield has to be increased	Mulagabharu/TTB404/ Mahsuri 2.04/2.30/1.89

	Sivasagar					DT:18.7.14-22.7.14 DF: 10.10.14-14.10.14 DM:1.11.14-12.11.14 PH:126.87 cm PL: 27.02 cm EBT:12-18 Yield:6127 kg **Mahsuri (Check Variety)** DS:22.6.2014-28.6.2014 DT:18.7.2014-22.7.2014 DF:14.10.14 DM: 20.11.14-22.11.14 PH: 132.5-139.4 PL: 25.8-26.8 cm EBT: 8-16 Yield: 5079.25 kg	is very good **TTB:404** duration is suitable for double cropping, yield is very good, grain quality and taste is medium		
2	Performance of HYV rice variety Podumoni KDML105 in semi deep water situation of	Lack of High Yeilding Aromatic Semideep water (30-70 cm water depth)variety	HYV Aromatic Rice Variety Podumoni **Fertilizer Dose:** 20:10:10 Kg N:P2O5:K2O/ha	Rice-fallow-fallow	3 (Kachupathar,Bharalua & Nazira)	**Podumoni** DS: 7.6.14-12.6.14 DT:11.7.14-15.7.14 DF:18.10-14-22.10.14 DM: 4.12.14-6.12.14 Yield:4554.0 kg **Adolia** **(Check variety)** DS: 7.6.14-12.6.14 DT:11.7.14-15.7.14 DF:18.10.14-24.10.14 DM: 7.12.14	Farmers are satisfied with the yield and aroma and non lodging character of the variety.	A red type kernel of similar plants are mixed with the variety and needs to be	**Podumoni** 2.10 **Adolia** 1.04 **Bankisali** 1.32

	Sivasagar					Yield:2541.0 kg **Bankisali** **(check variety)** DS: 7.6.14-12.6.14 DT:11.7.14-15.7.14 DF:22.10.14 DM: 8.12.14 Yield:3244.0 kg Water Depth: **Location1(Kachupathar) /Location 2(Gaurisagar)/Location3 (Nazira)** Jul:15-23.5/10.0-25.0/12-15.6 Aug:21.5-45.5/22.5-80.5/20.5-45 Sep: 20.1-72.5/25.5-110.5/25.5-75.5 Oct: 19.5-45.4/35.5-55.5/20.5-30.5 Nov: 8.5-12.5/10.5-30.1/10.5-25.5 Dec:0-6.5/0-8.5/0-4.5	Grain is basmati type and little sticky during cooking, grains break during milling	purified	
3	Performance of hybrid rice	Lack of high yielding medium	F1 hybrid rice variety Arize 6444, PAC835&	Rice-fallow	02 (Mohan Gaon &	**Arize 6444 Gold** DS:5.7.2014 DT:2.8.2014 DF:22.10.14	US312 is most preferred for its		**Arize6444 Gold:** 1.37

	varieties in rainfed medium shallow land	duration variety	US312 Fertilizer Dose: 60:20:40 Kg N:P2O5:K2O/ ha		Maduri)	DM:15.11.14 Duration: 133days PH: 113.6 cm EBT/plant: 12.6 PL: 25.47 cm Yield:5.85 t/ha **US312** DS:5.7.2014 DT:2.8.2014 DF:4.10.14 DM:8.11.14 Duration: 126days PH:109.8 cm EBT/plant:15.6 PL: 25.95 cm Yield:6.60 t/ha **PAC835** DS:5.7.2014 DT:2.8.2014 DF:01.10.14 DM:4.11.14 Duration: 122 days PH:105.4 EBT/plant:9.0 PL: 22.79 cm Yield:4.8 t/ha **Local Check: Muri dhan** DS:5.7.2014 DT:2.8.2014	high yield and medium slender grains followed by Arize 6444 Gold. PAC 835 is not preferred .		**US312:** 2.02 **PAC835:** 1.14 Muri dhan: 1.83

						DF:25.10.14 DM:27.11.14 Duration: 145 days PH:128 cm EBT/Plant: 8.7 PL:24.3 cm Yield:3.25 t/ha			
4	Performance of semi deepwater rice variety Kmj SH1 & Kmj SH2	Poor yield of the semi deepwater rice variety	HYV rice variety Kmj SH1 & Kmj SH2 Fertilizer Dose: 40:20:20 Kg N:P2O5:K2O/ ha	Rice-fallow	01 (on farm KVK)	KmjSH1: DS: 20.07.2014 DT: 18.07.2014 DF: 6.11.14 DM: 8.12.14 PH: 121.8 cm PL: 25.63 cm EBT/plant: 10.8 Grain no: 237.6 Yield t/ha:5.231 **Kmj SH2** DS: 20.07.2014 DT: 18.07.2014 DF: 12.11.14 DM: 16.12.14 PH: 184.7 cm PL: 27.05 cm EBT/plant: 8.90 Grain no: 394.8 Yield t/ha:4528.0 **Ranjit(Check Variety):** DS: 20.06.2014	-	**Kmj SH 1** Grain quality needs to be improved **KmjSH2** Excellent grain type, Lodging at maturity	Kmj SH1: 1.82 Kmj SH2: 1.706 Ranjit: 1.437

						DT: 18.07.2014 DF: 02.11.14 DM: 8.12.14 PH: 148.7 cm PL: 26.5 cm EBT/plant: 14.5 Grain no: 265 Yield t/ha:4132.0 **Water depth** (cm) 1. 17th – 31st July,14 : 5-12.5 cm 2. 1st – 15th Aug, 14 : 11.5 25.5 cm 3.15th – 31st Aug,14 : 21-32 cm 4.1st – 10th Sept,14 :10.2-36.5 cm 5.After 11th Sept,14: 0-15.6			
5	Water and fertility management in rice-pea cropping sequence	Absence of water and fertility management technology for rice-pea sequence	Rice relay pea with basal application of vermicompost @ 1t/ha and FYM @ 2.5 t/ha to rice and 1 irrig of 4 cm at flowering stage of pea	Rice relay pea	5	The OFT (4.38 t/ha in rice) recorded and increase yield of 0.64% over farmers practice in rice crop. The pea crop could not be done due to delayed receipt of fund.			-

6	Soil test crop response correlation studies	Absence of targeted yield nutrient management	NPK fertilizer based on soil test values for attaining a targeted yield of 6 q/ha	Rice var. Ranjit	5	The targeted yield treatment based on soil test value (OFT) recorded an yield of 5.53 with an increase of 15.2% and 31.67% over recommended practice (package of practice) and farmers' practice, respectively	Farmers are satisfied with the increase of yield with judicious use of fertilizer as per soil need.		1.84
7	INM in Rajmah var, HUR/203/SR1	Poor fertility management	Fertility Management in rajmah T1: 50% RD of Fertilizer(65:45:40 Kg N:P2O5:K2O/ha) +1.0 t vermicompost/ha + 2 sprays 2.0% Urea T2: 75% RD of	Rice-rajmah=fallow	02 (Mathiasiga & Dihingia Gaon)	Date of sowing 24.11.2014 **T1:** DF: 10.01.2015 DM: 25.02.2014 Plot yield: 82.0 Kg(plot size 400 sq m) Yield(kg/ha):2050.0 kg **T2:** DF: 08.01.2015 DM: 22.02.2014 Plot yield: 73.0 Kg Yield(kg/ha):1825.0 kg T0: DF: 05.01.2015 DM: 18.02.2014	Farmer accepted the technology and the new crop for its food value & price		T1:2.5:1 T2:2.34:1 T3:1.79:1

			Fertilizer(65: 45:40 Kg N:P2O5:K2O/ ha) +0.5 t vermicompost/ha + 2 sprays 2.0% Urea T0: RD of Fertilizer(65: 45:40 Kg N:P2O5:K2O/ ha)			Plot yield: 53.0 Kg Yield(kg/ha):1325.0kg			
8	Evaluation of summer marigold var. Seracule	Non availability of summer marigold variety	Evaluation of summer marigold var. Seracole	Marigold	3	Plant height(62cm), No. of branch(47 nos) Size of flower(5.0cm) No. of flower/plant (180 nos), Yield/ha(40q))	Difficult to maintain the plants during winter season	In winter season most of the plants get damaged due to infestation of leaf spot disease.	4.55
9	Evaluation of Okra	Non availability	Evaluation of Okra var.	Okra	3	Plant height, no. of fruits/plant, yield/ha, B:C	Ongoing	-	-

	var. VRO-6	of suitable high yielding variety	VRO-6			ration, Farmers reaction			
10	Evaluation of *Ghungroo* pigs in Sivasagar District	Inferior productivity of Assam Local pigs	Body weight Age at sexual maturity, Age at first farrowing, Farrowing interval, Litter size at birth and weaning, Litter weight at birth and weaning, Feed consumed Disease incidence and mortality etc.	Piggery	3	The piglets are of 4 month of age. Body weight (Male): 17 kg Female: 14.5 kg Average:15.75 kg 2 (22.22%) nos. of piglets died due to suspected swine fever	Easy to manage	Yet to assess	NA
11	Cultivation of Tapioca for	Higher cost of pig feed	Level of inclusion in pig feed , Growth rate, Farmers	Piggery	5	The planting of tapioca is completed and is in vegetative stage.	Easy to cultivate & planting material is	Yet to assess	NA

	feeding of pigs		acceptance as Pig feed, Any disease incidence, B: C ratio				available		

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 2014-15

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	Gerbera	Popularization of Gerbera var Redgem	4	10	0.8
2	Poultry	Dual type backyard poultry var. *Vanaraja*	24	147	5245 nos.

**** 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.	Rice	Varietal Evaluation	Cultivation of medium duration high yielding rice variety 'TTB404' in double crop situation in Sivasagar	Kharif	2.0 ha	2.0 ha	0	4	4	Nil	Rainfed , clay-clay loam)			
2.	Blackgram	Seed production	Certified seed production of HYV blackgram variety KU301	Kharif	1.0 ha	1.0 ha	3	1	4	Low yield due to severe drought and late sowing due to heavy rainfall in September	Rainfed, Sandy loam			

3	Okra	Varietal evaluation	Popularization of Okra var. Arka Anamika	Kharif, 2014	0.4	0.4	0	3	3	Nil	Rainfed			
4	Colocasia	-do-	Popularization of colocasia var. Ahina kochu	Kharif 2014	1.0	1.0	0	7	7	Nil	-do-			
5	Pumpkin	-do-	Popularization of pumpkin var. Arjuna F1	Rabi, 2014	1.0	0.5	0	3	3	Nil	-do-			
6	Banana	High density planting	High density planting of dwarf cavendish	Kharif 2014	0.5	0.5	0	2	2	Nil	-do-			
7	Black gram	Certified seed production	Variety	Rabi season	1.0 ha	1.0 ha	3	1	4	Though no disease pest problem occurs due to delayed planting and lack of rainfall yield is reduced.	Rainfed			
8	Pumpkin	Varietal evaluation	Variety	Rabi season	1.0	0.5	0	3	3	Except lack of moisture	Rainfed			

										no other problem arises till date.				

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	Varietal evaluation	2.0	TTB 404 58.96	Mulagabharu 50.06	17.78	59.18	58.75	Nil	Nil	36,525.00	79,596.00	43,071.00	2.18	36,525.00	67581.00	31056.00	1.55
2	Blackgram	Seed production	1.0	KU301 5.63	Local 4.32	30.32	5.84	5.42	Nil	Nil	29,400.00	67500.00	38,100.00	.2.29	18950.00	25,920	6970.00	1.37
3	Okra	Varietal evaluation	0.4	7.0	5.6	25	8.5	5.5	Nil	Nil	23,930	70,000	46,170	2.92	22,930	56,000	33,070	2.44
4	Banana	High density planting	0.5	25	20	10	30	20	Nil	Nil	179562	700000	520438	3.89	156500	400000	220438	2.23
5	Colocasia	Varietal evaluation	1.0	60	41.25	67	70	50	Nil	Nil	40,000	18,000	14,000	4.5	13,295	65,000	51705	3.88

***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						
2	Farmers Training						
3	Media coverage						
4	Training for extension functionaries						
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		

**** 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	Low productivity of local birds	Dual type backyard poultry var. *Vanaraja*	15	15	200 (13 birds per unit)	B. Wt. (Kg.) (Male): 1.743 Female: 1.563 Average: 1.653	Male: 0.650 Female: 0.600 Average:0.625	Male: 268 Female: 261 Average: 264	Mortality: 7.2 %	Mortality: Nil	-	-	-	-	-	-	-	-	The birds are of only 4months of age
2	Piggery	Low productivity of Local pigs	Cross-bred Hampshire pigs	2	2	6	Body weight Kg) Male: 25 Female: 22 Average: 23.5 Disease incidence: Parasitic infestation, diarrhoea etc.	Male: 18 Female: 16 Average: 17	139 138 138	-	-	-	-	-	-	-	-	-	-	The pigs are of 4 months of age.

**** 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						
				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	1					30		30										30		30		
Integrated Farming																						
Water																						

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

Export potential vegetables																					
Grading and standardization																					
Protective cultivation (Green Houses, Shade Net etc.)																					
b) Fruits																					
Training and Pruning																					
Layout and Management of Orchards																					
Cultivation of Fruit																					
Management of young plants/orchards																					
Rejuvenation of old orchards																					
Export potential fruits																					

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

Processing and value addition																					
e) Tuber crops																					
Production and Management technology																					
Processing and value addition																					
f) Spices																					
Production and Management technology																					
Processing and value addition																					
g) Medicinal and Aromatic Plants																					
Nursery management																					
Production and management technology																					
Post harvest technology and value addition																					

III Soil Health and Fertility Management																					
Soil fertility management																					
Soil and Water Conservation																					
Integrated Nutrient Management																					
Production and use of organic inputs																					
Management of Problematic soils																					
Micro nutrient deficiency in crops																					
Nutrient Use Efficiency																					
Soil and Water Testing																					
IV Livestock Production and Management																					
Dairy																					

Management																						
Poultry Management																						
Piggery Management																						
Rabbit Management																						
Disease Management																						
Feed management																						
Production of quality animal products																						
V Home Science/Women empowerment																						
Household food security by kitchen gardening and nutrition gardening																						
Design and development of low/minimum																						

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

technologies																						
Rural Crafts																						
Women and child care																						
VI Agril. Engineering																						
Installation and maintenance of micro irrigation systems																						
Use of Plastics in farming practices																						
Production of small tools and implements																						
Repair and maintenance of farm machinery and implements																						
Small scale processing and value addition																						
Post Harvest																						

Technology																					
VII Plant Protection																					
Integrated Pest Management																					
Integrated Disease Management																					
Bio-control of pests and diseases																					
Production of bio control agents and bio pesticides																					
VIII Fisheries																					
Integrated fish farming																					
Carp breeding and hatchery management																					
Carp fry and fingerling rearing																					

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

Seed Production																						
Planting material production																						
Bio-agents production																						
Bio-pesticides production																						
Bio-fertilizer production																						
Vermi-compost production																						
Organic manures production																						
Production of fry and fingerlings																						
Production of Bee-colonies and wax sheets																						
Small tools and implements																						

Production of livestock feed and fodder																					
Production of Fish feed																					
X Capacity Building and Group Dynamics																					
Leadership development																					
Group dynamics																					
Formation and Management of SHGs																					
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 <u>Farmers and Farm Women</u> in <u>Off Campus</u> including <u>Sponsored Off Campus</u> Training Programmes
(*Sp. Off means Off Campus training programmes sponsored by external agencies)

Thematic area	No. of Courses/ prg.			Participants																		Grand Total
				General						SC/ST						Total						
	Off	Sp Off*	Total	Male		Female		Total		Male		Female		Total		Male		Female		Total		
				Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
I. Crop Production																						
Weed Management																						
Resource Conservation Technologies																						

Cropping Systems																						
Crop Diversification																						
Integrated Farming																						
Water management																						
Seed production																						
Nursery management																						
Integrated Crop Management	2			43		7										43		7		50		
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	1	0	1	13	0	17	0	30	0	13	0	17	0	30	0	13	0	17	0	30	0	30
Grading and standardization																						
Protective cultivation (Green Houses, Shade Net etc.)																						
b) Fruits																						
Training and Pruning																						
Layout and Management of Orchards																						
Cultivation of	1	0	0	0	34	0	34	0	0	0	34	0	34	0	0	0	0	34	0	34	0	34

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	1			20		3				3		0				23		3		26		
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	1	0	1	24	0	1	0	25	0	0	0	0	0	0	0	24	0	1	0	25	0	25
Poultry Management	1	0	1	10	0	40	0	50	0	0	0	0	0	0	0	10	0	40	0	50	0	50
Piggery Management	1	0	1	3	0	37	0	40	0	0	0	0	0	0	0	3	0	37	0	40	0	40
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	2	-	2	28	-	21	-	50	-	-	-	-	-	-	-	28	-	21	-	50	-	50
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	1	0	1	20	0	17	0	37	0	0	0	0	0	0	0	0	20	0	17	0	37	37
Carp breeding and hatchery management																						
Carp fry and fingerling rearing																						
Composite fish culture	3	0	3	72	0	12	0	84	0	4	0	0	0	4	0		72	0	16	0	88	88
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	4	-	4	60	-	48	-	106	-	3	-	-	-	3	-	63	-	48	-	109	-	109
WTO and IPR issues																						
XI Agro-forestry																						
Production technologies																						
Nursery management																						
Integrated Farming Systems																						
IPR		1			72		45		117		6		1		7		78		46		124	124
TOTAL	18	1	14	293	106	203	79	422	117	23	40	17	35	37	7	207	170	208	79	414	249	587

(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 Rural Youth in Off Campus including Sponsored Off Campus Training Programmes

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

Thematic area	No. of Courses/ Prog.			Participants																		Grand Total
	Off	Sp Off	Total	General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
				Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
Mushroom Production																						
Bee-keeping																						
Integrated farming																						
Seed production	2			27		8				13		5		40		13				53		
Production of organic inputs																						
Integrated Farming																						
Planting material production																						
Vermi-culture																						

Sericulture																						
Protected cultivation of vegetable crops																						
Commercial fruit production	1	0	1	25	0	0	0	25	0	0	0	0	0	0	0	25	0	0	0	25	0	25
Repair and maintenance of farm machinery and implements																						
Nursery Management of Horticulture crops	1	0	1	0	0	25	0	25	0	0	0	0	0	0	0	0	0	25	0	25	0	25
Training and pruning of orchards																						
Value addition																						
Production of quality animal products																						
Dairying																						

Sheep and goat rearing																						
Quail farming																						
Piggery																						
Rabbit farming																						
Poultry production	1	0	1	5	0	18	0	5	18	0	0	1	0	0	0	1	0	5	0	24	0	24
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	5	0	3	57	0	51	0	55	18	13	0	6	0	40	0	39	0	30	0	127	0	74

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
				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)	(x + y)
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 Extension Personnel in Off Campus including Sponsored Off Campus Training Programmes

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

Thematic area	No. of Courses/ prog.			Participants																		Grand Total
	Off	Sp Off*	Total	General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
				Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
Productivity enhancement in field crops																						
Integrated Pest Management																						
Integrated Nutrient management																						
Rejuvenation of old orchards	1	0	1	19	0	2	0	19	0	2	0	21	0	2	0	23	0	2	0	25	0	25
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	1	0	1	19	0	2	0	19	0	2	0	21	0	2	0	23	0	2	0	25	0	25

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
Plant Breeding	Seed production	Capacity building Seed Entrepreneurship development	21.10.14	1	On campus	Farm women	0	27	27	0	0	0	0	27	27

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

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
Horticulture	Fruit	Improved production technology of citrus	6.2.15 to 7.2.15	2 days	Hahsora chetiagaon	F & FW	0	34	34	0	0	0	0	34	34

Horticulture	Nursery management	Nursery business: An avenue for self employment	14.8.14	1 day	Sundar pukhuri	RY	0	25	25	0	0	0	0	25	25
Horticulture	Export potential vegetable	Scientific cultivation of pumpkin and cucumber	2.3.15 to 3.3.15	2 days	Mothia siga	F & FW	13	17	30	0	0	0	13	17	30
Horticulture	Planting material production	Planting material production of horticultural crops	6.8.14	1 day	SDAO, Nazira	EF	21	2	23	2	0	2	23	2	25
Horticulture	Fruit	Improved production technology of citrus	6.3.15 to 7.3.15	2 days	Bihubor	RY	20	5	25	0	0	0	20	5	25
Plant breeding and genetics	Crop production	Improved production technology of rice	9.7.2014	1	Nitaipukhuri	Farmer & farm women	22	1	23	0	0	0	22	1	23

	do	Improved production technology of rice	22.9.14	1	Telial	Farmer &Farm women	22	6	28	0	0	0	22	6	28
	Aromatic & medicinal plant	Medicinal and aromatic plants & their cultivation practices	7.12.14	1	Bharalua Gaon	Farmer & farm women	20	3	23	3	0	3	23	3	26
	Seed production	Certified seed production of rice	12.2.14-13.2.14	2	Dimow	Rural youth	15	3	18	6	2	8	21	5	26
		Certified seed production of rice	6.3.14-7.3.14	2	Bokota	Rural youth	12	5	17	7	3	10	19	8	27
Animal Science	Poultry	Scientific broiler farming	14th & 15th July/14	2 days	Deeplin g T.E	Farmer & FW	10	40	50	0	0	0	10	40	50
	Dairy	Scientific dairy farming	20th & 21st Oct/14	2 days	Nitaipu khuri	Farmer & FW	24	1	25	0	0	0	24	1	25

	Piggery	Scientific pig farming	17th & 18th Nov/14	2 days	Hanhchara Chetiagaon	Farmer & FW	3	37	40	0	0	0	3	37	40
	Poultry	Scientific poultry farming	25th Oct/14	1 day	Darika Na-ali, Kheluwa	RY	5	18	23	0	1	1	5	19	24
Agril. Economics	Women empowerment	Income generating activities forempowerement of women SHGs	4th -5th Aug,2014	2	Nazira	FW	16	9	25	0	0	0	16	9	25
Agril. Economics	Entrepreneurship development	Entrepreneurship development of farmers	19th - 20th Aug, 2014	2	Hanhchara	PF	1	25	26	0	0	0	1	25	26
Agril. Economics	Women empowerm	Income generating activities forempowerement of	3rd -4th Dec,2014	2	Chetia Handique gaon	FW	12	13	25	0	0	0	12	13	25

	ent	women SHGs													
Agril. Economics	Entrepreneurship development	Entrepreneurship development of farmers	21st - 22nd Jan, 2015	2	Gaurisagar	PF	16	13	29	0	0	0	16	13	29
Agril. Economics	Entrepreneurship development	Entrepreneurship development of farmers	2nd -3rd March,2015	2	Garukhuti, Dimow	PF	23	7	29	0	0	0	23	7	29
Agril. Economics	Entrepreneurship development	Entrepreneurship development of farmers	6th -7th March, 2015	2	Rupohimukh	PF	20	3	23	3	0	3	23	3	26
Fishery	Composite fish farming	Scientific fish farming system	8 Dec – 10 Dec, 2014	4	KVK, Sivasagar	Farmers & Farm Women	17	4	21	4	0	4	21	4	25

	-do-	Composite fish culture	6th & 7th Feb, 2015	2	Charing	Farmers & Farm Women	33	5	38	0	0	0	33	5	38
	-do-	-do-	13th & 14th Feb, 2015	2	Kachup othar	Farmers & Farm Women	22	3	25	0	0	0	22	3	25
	Integrated fish farming	Integrated fish farming	10 – 11 Feb, 2015	2	Namdung Gohain Gaon	Farmers & Farm Women	20	17	37	0	0	0	20	17	37

(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	

*training title should specify the major technology /skill transferred

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

On/ Off/ Vocational	Beneficiary group (F/ FW/ RY/ EP)	Date (From-To)	Duration (days)	Discipline	Area of training	Title	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
							General			SC/ST			Total				
							M	F	T	M	F	T	M	F	T		
Off	F	2.11.14	1	Fishery	Integrated Farming	Three tier system of poultry pig and fish	87	5	92	9	0	9	96	5	101	RKVY	100000.00
On	F & FW	1.1.15	1	Fishery	-do-	-do-	40	72	112	0	0	0	40	72	112	-do-	100000.00

Off	F & FW	4.3.15	1	PBG	PPV & FRA	Awareness cum training programme on Protection on plant varities and farmers right Act 2001	72	45	117	6	1	7	78	46	124	PPV & FRA	40000.00
Total							199	122	321	15	1	16	214	123	337		

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 2014-15

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**			**90**	**46**	**18**	**64**	**12**	**7**	**19**	**5**	**2**	**7**	**63**	**27**	**90**
2.	Diagnostic visit			**237**	**152**	**41**	**193**	**32**	**12**	**44**	**0**	**0**	**0**	**184**	**53**	**237**
3.	Field day															
4.	Group Discussion			**22**	**122**	**85**	**207**	**32**	**45**	**75**	**0**	**0**	**0**	**154**	**130**	**284**
5.	Kishan Gosthi															
	Kishan Mela															
6.	Film show															

7.	SHG formation															
8.	Exhibition	International Agri Horti Show, Ghy International Trade Fair, Jorhat Agricultural Exhibition in Nagaland Border Exhibition on scientific fish farming at Dikhowmukh	19th to 25th February, 2015 (7 days) 10th to 14th February, 2015 26th February, 2015 2.11.14	4												
9.	Scientists visit to farmers fields			612	300	180	480	110	22	132	0	0	0	410	202	612
10.	Plant/ Animal Health camp															
11.	Farm science club															
12.	Ex-trainee Sammelan			1	52	37	89	15	6	21	0	0	0	67	43	110
13.	Farmers seminar/ workshop															
14.	Method demonstration	Vermicompost production, mushroom production Plant propagation	21st ,22nd Jan, 2nd, 3rd , 6th and 7th March,2015	11	79	74	153	3	0	3	-	-	-	82	74	156

		method Line transplanting in Sali rice	6.2.15 2.7.14													
15.	Celebration of important days	World Environment Day	05.06.2014													130
16.	Exposure visits															
17.	Electronic media (CD/DVD)			1												
18.	Extension literature			4												
19.	Newspaper coverage			9												
20.	Popular articles			8												
21.	Radio talk			4												
22.	TV talk															
23.	Training manual															
24.	Soil health camp															
25.	Awareness camp			1												
26.	Lecture delivered as resource person			73	779	630	1409	148	98	246	0	0	0	927	728	1655
27.	PRA		24-25Oct and 05. -06.Dec, 14	2	57	22	80	1	0	1	-	-	-	58	22	81
28.	Farmer-Scientist interaction		1.12.14,12.12..14, 24.12.14, 4.3.14	4	180	61	241	31	20	51	0	0	0	211	81	292

29.	Soil test campaign															
30.	Mahila Mandal Convener meet															
31.	Any other (Please specify)															

3.5 Production and supply of Technological products during 2014-15

A. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Number of recipient/ beneficiaries		
					General	SC/ST	Total
CEREALS	Paddy	Ranjit	23	75900	33	11	44
OILSEEDS	Toria	TS 38	1.86	12090	5	2	7
PULSES							
VEGETABLES							
FLOWER CROPS							
OTHERS (Specify)							

A1. SUMMARY of Production and supply of Seed Materials during 2014-15

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Number of recipient/ beneficiaries		
				General	SC/ST	Total
1	CEREALS	2.3	75900	33	11	44
2	OILSEEDS	0.186	12090	5	2	7
3	PULSES					
4	VEGETABLES					
5	FLOWER CROPS					
6	OTHERS					
TOTAL		2.486	87990	38	13	51

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							
Ornamental Plants							

VEGETABLES							
Forest Spp.							
Plantation crops							
Medicinal plants							
OTHERS (Pl. Specify)							

B1. SUMMARY of Production and supply of Planting Materials (In Lakh) during 2014-15

Sl. No.	Major group/class	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
				General	SC/ST	Total
1	Fruits					
2	Spices					
3	Ornamental Plants					
4	VEGETABLES					
5	Forest Spp.					
6	Medicinal plants					
7	Plantation crops					
8	OTHERS (Specify)					
TOTAL						

C. Production of Bio-Products during 2014-15

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient /beneficiaries		
			No	(qt)		General	SC/ST	Total
BIOAGENTS								
BIOFERTILIZERS								
BIO PESTICIDES								

C1. SUMMARY of production of bio-products during 2014-15

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient beneficiaries
			Nos	(kg)		General	SC/ST	
1	BIOAGENTS							
2	BIO FERTILIZERS							
3	BIO PESTICIDE							
	TOTAL							

D. Production of livestock during 2014-15

Sl. No.	Type of livestock	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		
			(Nos)	Kgs		General	SC/ST	Total
	Cattle/ Dairy							
	Goat	**Beetal**	**3**	**As Seed**	**9000.00**	**3**	**0**	**3**
	Piggery	**T& D**	**49**	**As seed**	**123000.00**	**6**	**15**	**21**
		T&D	**4**	**325 Kg**	**39000.00**	**0**	**4**	**4**
	Poultry	**Vanaraja bird**	**60**	**130.7 Kg**	**23361.00**	**14**	**8**	**22**
		Vanaraja Eggs (Table)	**554**		**3514.00**	**15**	**6**	**21**
		Layer Eggs (BV300)	**386**		**2316.00**	**14**	**8**	**22**
		KC Duck	**4**	**As meat**	**1150.00**	**3**	**1**	**4**
		KC Duck Eggs (Table)	**145**		**988.00**	**6**	**3**	**9**
	Fisheries							
	Others (Specify)							

D1. SUMMARY of production of livestock during 2014-15

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	**Beetal**	**3**	**As Seed**	**9000.00**	**3**	**0**	**3**
3	POULTRY	**Vanaraja bird**	**60**	**130.7 Kg**	**23361.00**	**14**	**8**	**22**
		Vanaraja Eggs (Table)	**554**		**3514.00**	**15**	**6**	**21**
		Layer Eggs (BV300)	**386**		**2316.00**	**14**	**8**	**22**
		KC Duck	**4**	**As meat**	**1150.00**	**3**	**1**	**4**
		KC Duck Eggs (Table)	**145**		**988.00**	**6**	**3**	**9**
4.	PIGGERY	**T& D**	**49**	**As seed**	**123000.00**	**6**	**15**	**21**
		T&D	**4**	**325 Kg**	**39000.00**	**0**	**4**	**4**
5	FISHERIES							
6	OTHERS (Pl. specify)							
	TOTAL							

3.6. Literature Developed/Published (with full title, author & reference) during 2014-15

(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.	Constraints perceived by the broiler farmers in Sivasagar district of Assam/ Indian Research Journal of Extension Education:: 15 (1): 112-113	R. Islam & P. Nath	
2.	Performance of T & D and Cross bred pigs under field condition/ Indian Journal of Animal production and Management: 30(3-4): 128-130	R. Islam, P. Nath & J. Hussain	
3.	Effect of different growing media on pseudobulb production of hybrid orchid cv. Oncidium and terrestrial orchid Spathoglottis. *Journal of Hill Agriculture* 2014 Vol 5(1) page 76-78	M. C Talukdar and Luna Barooah	
Training manuals			
Technical Report			
1.	Annual Action Plan		
2.	Annual Report		
3.	Contingency Plan		
4.	District Profile		

5.	KVK Profile		
6.	Resource Inventory		
7.	ZREAC Report		
8.	BGREI Monitoring report		
Book/ Book Chapter	Integrated Nutrient Management in the book entitled Krishikhondot atmonijukti : projuktikouxol.. published by DoEE, AAU	Rupjyoti Borah	
Popular articles	Pukhurit panir gunagun niyantran. *Meen palon byobasthapona* 10.7.14	Abdur Rahman	
	Plastic mulching in horticultural crops. *Frontier Farming* Vol II, Issue III page 19-20	M. Kachari, H. S Dutta and Luna Barooah	
	Studies of medicinal plants of Assam used against jaundice. *Frontier Farming* Vol II, Issue III page 36-38	Luna Barooah and M.P. Borthakur	
	Banpirito anchalar pashudhanar khadya aru swasthyar sathik byabasthapona *Ghare Pothare* 16.9.14	Dr. Rafiqul Islam	
	Tioh khetir joton. *Dainik Janambhumi*. 25.12.14	Luna Barooah	
Technical bulletins			
Extension bulletins			
Newsletter			
Conference/ workshop proceedings			
Leaflets/folders	Swine Flu	R. Islam & P. Nath	

	Oyster Mushroom Production Technology	A. Bharali, T. Saikia & P. Nath,	
	IPM in Sali rice	A. Bharali, T. Saikia, T. Borbora, L, Barooah & P. Nath,	
e-publications			
Research Abstract	Impact of training programme on adoption of Vanaraja birds in Sivasagar district of Assam. 7th National Extension Education Congress, Nov. 08-11, 2014	R. Islam & P. Nath	
	Status of backyard poultry farming in Sivasagar district of Assam. XXXI Annual Conference IPSA. December, 18-20, 2014	R. Islam, P. Nath, D. Sapcota & J. D. Mahanta	
	Constraints perceived by the broiler farmers in Sivasagar district of Assam/ XXXI Annual Conference IPSA. December, 18-20, 2014	R. Islam, P. Nath, D. Sapcota & J. D. Mahanta	
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)

- **Success Story in Mushroom cultivation**

Mr. Pabitra Borua,an arts graduate from Kenduguri, Simaluguri was in search of job. He belongs to a middle class family. During this period he came to know about Krishi Vigyan Kendra, Sivasagar and wanted to know about trainings and method demonstrations for different entrepreneurship development work.

After our training and method demonstration the programme co-ordinator alongwith concerned scientist assured all possible technical guidance to him and he started a small mushroom production unit in Feb,2013 but now he is emerging as a successful mushroom grower engaging 2 labours in his home and also engaged 5 farm families in mushroom production in Sivasagar district. Alongwith fresh mushroom he also prepares dry mushroom.

His annual expenditure is Rs 75,000/- and gross income is Rs 2,80,000 thus his net annual income is Rs 2,05,000/-

- **Success story in Piggery**

Sri Prasanta Konwar, aged 52 years a farmer of Sivasagar District of Assam is presently realizing a net income of Rs. 1,94,000.00 per annum from his piggery unit. Success from his piggery unit attracts other farmers of the nearby villages. He is also keeping few local as well as Vanaraja chicken mainly for domestic consumption and planted Tapioca stems for feeding of his pig. He has got only half bigha of land in his backyard, where he constructed a thatched shed with semi-concrete flooring and compartments with a capacity of 5 sows and 40-50 piglets at a time.

Although he was interested in piggery, he was reluctant to do so as he had no technical knowledge on it. Once he started visiting Krishi Vigyan Kendra, Sivasagar and discussed about opening of piggery, the Programme Coordinator along with concerned scientist inspired him a lot and helped in building confidence to start the unit and assured all possible technical guidance.

He procured four T&D piglets (1 male & 3 female) from Krishi Vigyan Kendra, Sivasagar, Rahdoi and the started the unit in 2012. Within 11-12 months each sow delivered 8-12 nos. of piglets in the first batch. The piglets were reared up to 60-75 days of age and sold at Rs. 2,500-3,000/- each. He expressed a great satisfaction while he sold the piglets as there is huge demand of improved piglets. So far he has sold 62 nos. of piglets in this year. He also disposed the 3 nos. old pigs for pork and keeping the remaining piglets for parental stock. The old pigs were also sold at Rs. 13,000-15,000/- each depending upon the body weight. He further expressed his commitment to keep his pig as long as it could give births so as to show that rearing pigs can substantially augment incomes of a family. His only daughter is now studying in a private school. He is using one motorcycle and a maruti car for his own purpose.



He spends around Rs.1,000-1,500/- per month on purchasing some of the feed ingredients like broken rice, rice bran etc. and medicines, vaccines etc. He procured colacasia from his villages for feeding of pigs. He also used left-over rice, kitchen waste etc. for feeding of pigs. Recently, he cultivated Tapioca stems for feeding of pigs. He engaged himself and his wife to look after the pigs.

Sri Konwar has become a successful model especially in pig breeding. Many farmers from the District of Sivasagar visit his farm for piglets.

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	Rice	Use of raw cowdung	For Bacterial leaf blight
2	Vegetables	Use of urine	For control of insects in vegetable crops.
3	Rice	Use T parch	For control of insect in paddy field.
4	Rice	Use of grape fruit rind	To control caseworm
5	Vegetables	Use of tobacco solution	To control insects in vegetables.
6	Poultry	Use of raw milk / curd	To control coccidiosis in poultry

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

- Identification of courses for farmers/farm women

Survey, PRA, Group discussion, Request from farmers, Specific need based problems.

3.11 Field activities

i. Number of villages adopted : 4 (Hanchora Chetia Gaon, Ramu Gaon, Mothiasiga, Sundarpukhuri)

ii. No. of farm families selected : 21

iii. No. of survey/PRA conducted : 2

3.12. Activities of Soil and Water Testing Laboratory NA

Status of establishment of Lab :

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

Sl. No	Name of the Equipment	Qty.	Cost
1			
2			
3			
Total			

3. Details of samples analyzed so far :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount (In Rupees) realized
Soil Samples				
Water Samples				

Plant Samples				
Petiole Samples				
Total				

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	21	5985	12	3408	-	-	5	1350	4	1152	-	-	42	11895
Voice only														
Voice and Text both														
Total	21	5985	12	3408	-	-	5	1350	4	1152	-	-	42	11895

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
Drought	Introduction of medium duration Var. Mulagabharu & TTB 404	15	12	4	16
Flood	Submergence tolerant Var. Jalkuwari, Swarna Sub 1 and short	20	30	2	32

	duration var. Luit & Disang				
Drought	**Mulching in vegetables crops and fruit crops**	**10**	**20**	**4**	**24**
Flood	**Distribution of seeds and planting materials**	**12**	**15**	**3**	**18**

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**
Flood	**-**	**3**	**3**	**350**	**20**	**5**	**25**
Drought	**-**	**1**	**1**	**150**	**25**	**6**	**31**

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)
Paddy Var. Ranjit	2500	73	7800.00	15000.00
Mushroom cultivation	75	60	8000.00	12000.00
Vermicompost	100	75	2000.00	6000.00
Composite fish culture	175	35	10000.00	16000.00
Backyard poultry Var. Vanaraja	2564	40	1862.00/ unit of 10 birds	6015.00/ unit of 10 birds

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

Impact Analysis of Technology Showcasing Programme on seed production of paddy

The Technology showcasing programme on winter paddy Var. Ranjit was undertaken by Krishi Vigyan Kendra, Sivasagar in Sivasagar district during the year 2011-12 in close collaboration with the Department of Agriculture, Sivasagar. Total area covered

during the year was 92 ha in the villages like Mogorahat, Bhorolua, Chetia Changmai Gaon etc. Total number of farmers covered in the programme was 325. Whereas, during 2012-13 KVK, Sivasagar conducted Technology Showcasing programme of Paddy at Borhat and Demow area covering 484 number of farmers. Variety selected for seed production was Ranjit, Bahadur and Gitesh. Main aim of the Technology Showcasing programme was to showcase the method of certified seed production of paddy as well as to make farmers aware about the improved technologies of cultivation.

Present study was conducted to see the impact of the programme by analyzing the adoption of seed production practice, increase in area under the showcased varieties, gain in knowledge and extent of adoption of recommended package of practices in paddy cultivation.

Out of the total beneficiaries 20 per cent of the farmers were selected randomly for the present study for data collection on gain in knowledge and adoption of recommended package of practices.

Findings of the study

a) **Adoption of seed production practice**

It was found that the beneficiaries did not adopted seed production technology because of lack of market, difficulty in the certification procedure.

b) **Increase in area under the showcased variety**

Sl. No.	Variety	Year of showcasing	Area (ha)			
			2011-12		2012-13	
			During the showcasing year	Present area	During the showcasing year	Present area
1	Ranjit	2011-12, 2012-13	92 ha	81 ha	94.9ha	284.7 ha
2	Mahsuri	2011-12	9.3 ha	15 ha	-	-
3	Gitesh	2012-13	-	-	23.39 ha	50ha
4	Bahadur	2012-13	-	-	13.06 ha	35ha

c) **Gain in knowledge:**

It was observed that there was 46.54 per cent average increase in the knowledge of the beneficiaries of Technology Showcasing programme on seed production and other improved package of practices of paddy cultivation.

d) **Extent of Adoption of recommended package of practices**

Sl. No.	Technologies	Full adoption	Partial adoption	Non-adoption
1	Growing of high yielding variety	64.28	4	0
2	Proper seed rate	64.28	4	0
3	Seed replacement	71.43	3	0
4	Seed treatment	0.00	2	85.71
5	Proper lad preparation	85.7	2	0
6	Proper time of sowing	92.86	1	0
7	Proper method of sowing	78.57	2	0
8	Balanced dose of fertilizer	21.43	5	35.71
9	Irrigation	0.00	0	100
10	Weed control	21.43	7	21.43
11	Plant protection measures	21.43	8	14.28
12	Farm mechanisation	42.85	4	21.43

5.0. LINKAGES ESTABLISHED

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
1. District Agricultural Office	Implementation of ATMA programe and selection of participants
2. District Animal Husbandry & Veterinary Office	Joint implementation of programmes
3. District Fishery Development Office	Joint implementation of programmes
4. District Sericulture Office	Joint implementation of programmes
5. District Forest Office	Joint implementation of programmes
6. District Industry Office	Joint implementation of programmes
7. DRDA	Joint implementation of programmes
8. Banking Organization (NABARD etc.)	Contribution for infrastructural development
9. NGOs	Conducting training programmes and demonstration
10. ARGUCOM	Lecture delivered as Resource Person
11. Soil Conservation Division, Sonari Range	Lecture delivered
12. SIRD	Lecture delivered as Resource Person
13. District Fishery Development Organization	Organizing Training

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 2014-15

Name of the scheme	Activity	Date/ Month of initiation	Funding agency	Amount (Rs.)
RKVY	Demonstration of Beetal Goat	Sept, 2012	GOI	417000.00
RKVY	Demonstration of Improved pig var. T & D	Sept, 2012	GOI	1250000.00
RKVY	Demonstration of vermicompost production	January, 2012	GOI	279000.00
RKVY	Demonstration of three tier poultry pig fish farming system	May. 2013	GOI	944300.00
RKVY	95 BBL eco carp hatchery	June, 2012	GOI	1365000.00
RKVY	Construction of Nursery rearing pond	March, 2014	GOI	400000.00

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/~~No~~

Sl. No.	Programme	Nature of linkage	Remarks
1	Research on Commercial Layer strain and Cross bred Pig	Convergence	400 nos of day old layer chicks var. BV 300 and 15 nos. of Hampshire cross bred pigs have been distributed along with feed and other inputs to 25 nos. of farm families.
2	Training	As resource person	Attended training as resource person
3	Technical programme	Technical guidance	Formulation of programme and selection of site
4	Demonstration	Monitoring and reporting	Monitoring and evaluation of demonstrated plots.

5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any
1	Commercial cultivation of banana and Assam lemon	Training	No

5.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks
1	Scientific fish farming	Exhibition	
2	Fishery awareness programme for the farmers of Nazira block	Training	

6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2014-15

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	Piggery	2013	5 nos. of adult pig	T & D	Piglet	50	76000.00	126000.00	One sow is pregnant and about to bred
2	Goatery	2012	7 adults and 3 kids	Beetal	Kids	3	7000.00	9000.00	3 kids born recently
3	Goatery	2014	7	Assam Hill Goat	Cross bred kids	-	10500.00	15000.00	2 cross bred kids are ready for sale

4	Poly house	2012	50 sq. m	-	-	-	-	-	The poly house is damaged due to storm
5	95 BBL Eco Carp hatchery	2012	-	-	-	-	-	-	Seedling will be produced very shortly
6	Mushroom Unit	2012-13		Oyster	Fresh Mushroom		350.00	874.00	

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	27.05.2014	15.11.2014	0.5	Ranjit	Foundation seed	22 Q	22000.00	770000.00	Being sold to farmers
Wheat									
Maize									
Any other									

Pulses									
Green gram									
Black gram									
Arhar									
Lentil									
Ay other									
Oilseeds									
Mustard	27.11.2014	22.02.2015	0.65	TS 36	Foundation Seed	7.5 Q	17000.00	48750.00	In stock
Soy bean									
Groundnut									
Any other									
Fibers									
i.									
ii.									
Spices & Plantation crops									
i.									
ii.									
Floriculture									

i.									
ii.									
Fruits									
i.									
ii.									
Vegetables									
i.									
ii.									
a. Others (specify)									
i.									
ii.									

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

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

6.4 Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed/ species	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Poultry	Vanaraja	Table egg	554 nos.	1050.00	3514.00	
2		Vanaraja	Meat	130.7 kg	7550.00	23361.00	
3		BV 300	Table egg	386 nos.	950.00	2316.00	
4		KC Duck	Meat	4 nos.	1000.00	1150.00	
5		KC Duck Egg	Table egg	145 nos.	360.00	988.00	

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 2014-15

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 AAU General Fund	SBI, ADB Gargaon	Simaluguri Branch Gargaon	11671477783
With KVK savings A/c	SBI, ADB Gargaon	Simaluguri Branch Gargaon	11671478073
Revolving Fund	SBI, ADB Gargaon	Simaluguri Branch Gargaon	30709339138

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 2014 -15

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	**Pay & Allowances**	120.00		7366431.00
2	**Traveling allowances**	1.85		31785.00
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees			

D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)		**9.50**		**711961.00**
B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipments including SWTL & Furniture**			
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**13.35**		

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 2012 to March 2013	91672.00	22061.00	30707.00	83026.00
April 2013 to March 2014	83026.00	165004.00	91576.00	156454.00
April 2014 to March 2015	156454.00	210011.00	152121.00 upto 4.2.2015	214344.00 upto 2.3.2015

Note: No KVK must leave this table blank

8.0 Please include information which has not been reflected above.

A. RAWEP : A group of 29 nos. ofstudents of 4th year 1st Semester BSc(Agri) were undergone Rural Agricultural Work Experience Programme from the month of August to November, 2014. They were attached with two of our adopted villages namely Hanchora Chetia Gaon and Ramu Gaon, where they performed several method demonstration, trainings, establishing information centres, crop cafeteria, group discussions, art competition etc. They also organized an exhibition and celebrated Teacher's day in the respective village schools.

B. AIP Mobile solution:

C. Technology Showcasing on three tier (Fish- Pig- Poultry) : Construction of Three Tier Model Poultry – Pig- Fish farming System in 5 Village of Sivasagar District – Charimuthia Guhain Gaon, Garmur Lefera Gaon, Charing, Bharalua, Dikhumukh and Chalapather.

D. Field Experience Training: A group of 6 nos. of newly appointed Agricultural Research Scientists from various parts of the country has been undergoing their FET programme in KVK, Sivasagar w.e.f. 19th February, 2015 to 11th March, 2015. They have been attached to Naosolia village in Nazira where they conducted extensive PRA programme for finding out the major problems and strength of the village. They also conducted village level seminar as well as institute seminar about their findings.

8.1 Constraints

(a) Administrative: Lack of infrastructure like fencing, post vacant for Farm Manager, Programme Assistant etc.

(b) Financial: Delay in release of fund.

(c) Technical: Non availability of Technology Inventory for Animal Science.

(Signature)
Programme Coordinator