

## PROFORMA FOR ANNUAL REPORT OF KVKs, 2016-17

### 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
KVK, Kamrup AAU, Kahikuchi Campus, Guwahati-17	<b>0361 2842513</b>	<b>0361 2842513</b>	<a href="mailto:pckvkkamrup@gmail.com">pckvkkamrup@gmail.com</a>

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

Address	Telephone		E mail
	Office	FAX	
Assam Agricultural University, Jorhat -785913	0376-2340008	0376-2340001	

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. D. N. Kalita	-	9435044574	<a href="mailto:pckvkkamrup@gmail.com">pckvkkamrup@gmail.com</a>

1.4. Year of sanction: 2004

1.5. Staff Position (**As on 31<sup>st</sup> March, 2017**)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
1	Programme Coordinator	Dr. D.N. Kalita	Programme Co-ordinator	Entomology	37,400 to 67,400	62550/- +10000	26.10.1988	Permanent	Gen
2	Subject Matter Specialist	Mr. Jayanta Kalita	SMS	Agronomy	15,600 to 39,100	20590/- +6000	09.01.2009	-do-	Gen
3	Subject Matter Specialist	Dr. Babita Sharma	SMS	Home Science	15,600 to 39,100	19050/- +6000	03.08.2011	-do-	Gen
4	Subject Matter Specialist	Ms Goutami Katak	SMS	Soil science	15,600 to 39,100	19050/- +6000	04.08.2011	-do-	Gen
5	Subject Matter Specialist	Mr. Bhabesh Deka	SMS	Horticulture	15,600 to 39,100	19050/- +6000	09.08.2011	-do-	Gen
6	Subject Matter Specialist	Mrs. Madhusmita Katak	SMS	Plant pathology	15,600 to 39,100	17550/- +5400	11.11.2008	-do-	Gen
7	Subject Matter Specialist	Mr. Parag Salikia	SMS	Fishery science	15,600 to 39,100	16880/- +5400	25.01.2014	-do-	OBC
8	Computer Programmer	Mr. Rahul Bharadwaj	Prog. Asstt. (Computer)	Computer Application	8,000 to 35,000	14020/- +4900	01.12.2008	-do-	Gen

	Programme Assistant			on					
9	Programme Assistant	Dr. S.C. Kalita	Prog. Asstt.	Animal Sc.	8,000 to 35,000	13460/- - +4900	26.02.2009	-do-	Gen
10	Farm Manager	Mr. Arup Kr. Sarma	Farm Manager	Agronomy	8,000 to 35,000	8790/- +4900	17.10.2014	-do-	Gen
11	Accountant / Superintendent	Mr. Pranjal Thakuria	Office Supdt. Cum Accountant	-	8,000 to 35,000	9640/- +4900	01.03.2012	-do-	OBC
12	Stenographer	Mr. Mridul Das	Junior Steno cum Computer Operator	-	5,200 to 28,000	7920/- +3300	20.02.2012	-do-	OBC
13	Driver	Mr. Ratan Das	Driver Cum Mechanic	-	5,200 to 28,000	6890/- +2500	22.02.2012	-do-	Gen
14	Driver	Mr. Kaleswar Mahatu	Driver Cum Mechanic	-	5,200 to 28,000	5200/- +2200	1/12/2016	-do-	OBC
15	Supporting staff	Sri P. C. Goswami	Supporting Staff	-	8880 to 20000	10920/- +2200	02.05.1989	-do-	Gen
16	Supporting staff	<b>VACANT</b>	-	-	-				
	<b>Total</b>								

- 1.6. a. Total land with KVK (in ha) : 10.0 ha  
b. Total cultivable land with KVK (in ha):4.0 ha  
c. Total cultivated land (in ha): 4.0 ha

S. No.	Item	Area (ha)
1	Under Buildings (Administrative building+ Farmers' Hostel+ Staff Quarters)	2.85 ha
2.	Under Demonstration Units	3.15 ha
3.	Under Crops (Cereals, pulses, oilseeds etc.)	3.0 ha
4.	Under vegetables	
5.	Orchard/Agro-forestry	1.0 ha
6.	Others (specify)	-

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	30-12-2013	345 (Ground Floor)	96.66 lakh	19-12-2011	----	completed
2.	Farmers Hostel	infrastructure of AAU is	-	800	-	-	-	-

3.	Staff Quarters (6)	being utilized	-	400	-	-	-	-
4.	Demonstration Units (2)							
i	Display & Demonstration unit	RKVY	March, 2010	40.0	9,56,458/-	-	-	-
ii	Dairy shed	RKVY	March, 2010	38.7	2,68,496/-	-	-	-
iii	Poultry shed	RKVY	Nov, 2010	44.0	3,12,145/-	-	-	-
iv	Mushroom unit	RKVY	March, 2010	29.1	2,43,333/-	-	-	-
v	Composting unit	RKVY	March, 2010	48.0	1,13,116/-	-	-	-
vi	Semi-Automatic Poly-house	RKVY	Feb, 2012	132.0	4,56,705/-	-	-	-
vii	Piggery unit	RKVY	March, 2011	43.9	1,92,000/-	-	-	-
viii	Goatery unit	RKVY	March, 2011	43.0	1,14,000/-	-	-	-
ix	Water supply unit	RKVY	July, 2011	-	5,00,000/-	-	-	-
x	Implement shed	RKVY	March, 2010	180.0	11,42,982/-	-	-	-
5	Fencing	RKVY	Sept, 2011	320 m	3,20,000/-	-	-	-

## B) Vehicles:

Type of vehicle	Regd. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero	AS 03M-9470	2015	6,92,000/-	.....	Running condition
Mini bus	-	1981	-	-	Needs repairing

## C) Equipments &amp; AV aids:

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Telephone	2003		Good condition
Over head projector	2003		Needs repairing
Generator (2)	2003 & 2010		Good condition
LCD projector (2)	2006 & 2010		Needs repairing
Digital camera (2)	2006 & 2010		Good condition
Fax machine (2)	2006 & 2010		Good condition
Computer	2007 & 2010		Good condition
Grinder	2007		Good condition
Motorized Knaspak sprayer	2010		In running condition
Mechanical brush cutter	2010		In running condition
Power paddy weeder	2010		In running condition
Multipurpose power weeder	2010		In running condition
8 row self propelled rice transplanter	2010		In running condition
Earth augur	2010		In running condition

Trailer	2010		In running condition
Five tine cultivator	2010		In running condition
2 share MB plough	2010		In running condition
Water pump	2010		In running condition
Knaspsak power duster	2010		In running condition
Knaspsak sprayer	2010		In running condition
Digital Photocopier	2010		In running condition
Seed Cleaner	2010		In running condition
Sprinkler Irrigation System	2010		In running condition
Wheel Burrous	2010		In running condition
Paddle Operator Paddy Thresher	2010	From Dept. of Agri Engineering, AAU, Jorhat	In running condition
Zero till seed cum fertilizer drill	2012		In running condition
Power tiller 15 HP, 2 nos.	2015		In running condition
Reaper, 2 nos	2015		In running condition
Paddy thresher	2015		In running condition
Auger for digger, 4 nos.	2015		In running condition
Seed drill, 2 nos	2014		In running condition
Post hole digger	2009		In running condition
Tractor 3 nos	2008 & 2014		In running condition
Swaraj rotavector	2014		In running condition
Mechanical winnower	2016	4680/-	In running condition

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

Sl. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken on last SAC recommendation
1.	29-03-2017	1. Dr. K. M. Bujarbaruah, Hon'ble Vice Chancellor, AAU, Jorhat-13 2. Dr. H. C. Bhattacharyya, Director of Extension Education, AAU, Jorhat-13 3. Dr. A. Chakravarty, Director of Research (Vety.), AAU, Khanapara	1. Establishment of mushroom spawn production unit at KVK, Kamrup within 3 months. 2. Testing of FAO model of solar tent drier for drying fishes.	1. <b>Action point:-</b> Inclusion of high value crops like Coriander in rice based cropping system  <b>Action taken:</b> Training and awareness programme conducted for farmers for inclusion of high value crops like Coriander, Pumpkin etc. in rice based cropping system.

	<p>4. Dr. P. Hazarika, Assoc. Director of Extension Education (Vety), AAU, Khanapara</p> <p>5. Dr. S. Saikia, Chief Scientist, HRS, AAU, Kahikuchi</p> <p>6. Dr. D. N. Kalita, Programme Coordinator, KVK Kamrup</p> <p>7. Dr. S. C. Nath, DVO, KamDr. Chandan Kr. Sarania, Vety, Officer, State Vety. Dispensary, Kochpara, Kamrup</p> <p>8. Dr. Chandan Kr. Sarania, Vety, Officer, State Vety. Dispensary, Kochpara, Kamrup</p> <p>9. Dr. Golap Kr. Baishya, Vety. Officer, Azara, Kamrup</p> <p>10. Mr. Achinta Saikia, Fishery Extension Officer, Chayani Dev. Block, Kamrup</p> <p>11. Md. S. A. Akram, Lead District Manager (LDM), Kamrup</p> <p>12. Mr. B. C. Kalita, Financial Lead Officer, UCO Bank, Guwahati-12</p> <p>13. Mr. Gopinath Das, Grameen Sahara (NGO), Chaygaon, Kamrup</p> <p>14. Ms. Anindita Barua, Woman entrepreneur, Chandmari, Guwahati-3</p> <p>15. Mr. Chan Mohan Das, Asst. chief Administrator</p>	<p>3. FLD on Apple ber at Bartari within April, 2017.</p> <p>4. Introduction of Pig breed Asha and Rani through demonstration.</p>	<p><b>2. Action point:-</b> Establishment of sale counter for women SHG in front of AAU Kahikuchi campus</p> <p><b>Action taken:</b> KVK has planned to established a sale counter in front of AAU Kahikuchi campus, but due to roadside eviction not yet started.</p> <p>The interested SHGs has already been facilitated for marketing of their produces in various exhibitions.</p> <p><b>3. Action point: -Smart agriculture in smart village</b></p> <p><b>Action taken:</b> KVK, Kamrup has initiated smart activities like soil health card issue, CFLD on pulses, PM fasal bima yojana, PPV &amp; FR, round the year floriculture production, protected cultivation of horticulture, precision farming etc. at Kulhati village under Hajo circle.</p> <p><b>4. Action point:- Skill development programme on farm machineries</b></p> <p><b>Action taken:</b> Trained rural youth on repairing of farm machineries for rural youth at KVK, Kamrup &amp; SIRD, Kahikuchi .</p> <p>Exposure visit of rural youth to FMTTI, Biswanath Chariali .</p> <p><b>5. Action point:</b>Initiation of IFS model</p> <p><b>Action taken:</b> Training and awareness programme conducted at Manikpur, Muktapur, Bihdia and Bongora villages.</p>
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	<p>chairman, Irrigation, Guwahati-3</p> <p>16. Mr. Mrinal Kr. Das, Deputy Agronomist, CMD,LACAD, Irrigation, Guwahati-3</p> <p>17. Mr. Mowsam Hazarika, Asst. Director, Horticulture, Khanapara, Guwahati-22</p> <p>18. Dr. Alpana Das, Scientist incharge, CPCRI, ICAR, Kahikuchi</p> <p>19. Mr. Pramod Boro, Director, MADCL(NGO), Rangia</p> <p>20. Mr. Rabiram Narzary, NGO member, Udalguri</p> <p>21. Mr. Manash Protim Mahanta, ADO, Mirza, Kamrup</p> <p>22. Mr. Dimbeswar Baishya, DRDA, Kamrup</p> <p>23. Dr. Babita Sharma, SMS(H.Sc), KVK, Kamrup</p> <p>24. Mr. Jayanta Kalita, SMS(Agron), KVK, Kamrup</p> <p>25. Mr. Bhabesh Deka, SMS (Hort.), KVK, Kamrup</p> <p>26. Mr. Parag Saikia, SMS(Fishery), KVK, Kamrup</p> <p>27. Ms. Madhusmita Katakya, SMS(Pl. Protection), KVK, Kamrup</p> <p>28. Ms. Goutami Katakya, SMS (Soil Science), KVK, Kamrup</p>	<p>Popularized rice-fish, poultry-fish and pig fish IFS model through FLDs.</p>
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		<p>29. Ms. Niju Das, Woman entrepreneur, Bongora, Kamrup</p> <p>30. Mr. Govinda Kalita, Progressive farmer, Bortari, Kamrup</p> <p>31. Mr. Dipjyoti Kalita, Progressive Farmer, Bartari, Kamrup</p> <p>32. Mr. Renu Nath, Woman entrepreneur Jogipara, Kamrup</p>		
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**\* 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):

<b>Sl. No.</b>	<b>Farming system/enterprises</b>
1	Agriculture-Horticulture
2	Agriculture – Animal Husbandry
3	Agriculture - Animal Husbandry – Fishery
4	Agriculture – Horticulture – Animal Husbandry
5	Agriculture –Horticulture – Sericulture
6	Horticulture – Sericulture – Animal Husbandry
7	Agriculture –Horticulture – Animal husbandry – Fishery
8	Agriculture –Horticulture –Animal Husbandry – Sericulture
9	Horticulture- Animal Husbandry
10	Horticulture- Sericulture
11	Agriculture –Horticulture –Fishery
12	Horticulture - Animal Husbandry –Fishery

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

<b>Sl. No</b>	<b>Agro-climatic Zone</b>	<b>Characteristics</b>
1	Lower Brahmaputra Valley Zone	Largest climatic zone, temperature: hyper thermic, moisture: mostly udic per humid climate, wide variation in crop, cropping intensity high

<b>No</b>	<b>Agro ecological situation</b>	<b>Characteristics</b>
I	Foothills, old mountain valley, alluvial plain	Relatively higher altitude, mostly alfisols and inceptisols, some Entisols, mostly flood free, undulating, agricultural crops dominated.
II	Foot hills, old mountain valley, alluvial forest	Relatively higher altitude, mostly alfisols and inceptisols, some Entisols, mostly flood free, undulating, natural forest are dominated.
III	Flood prone recent riverine alluvial plain	Entisols dominated, flood prone relatively low to medium land form, rabi crops are important/preferred.
IV	Char land	Situated at midst or adjoining to the river Brahmaputra, entisols near neutral soils, erosion and flood prone, medium or low land, numerous crops with vast barren areas.
V	Flood free old riverine alluvial plain	Higher crop intensity, flood-free, inceptisols dominated.
VI	Beels	Low land crop area, boro rice is dominated, entisols with high organic mater.
VII	Hills and hillock of old alluvial	High altitude, residual soil (alfisol) dominated, plantation crops most important.
VIII	High land tea garden	Alfisol and inceptisol, tea is most important crop.



## 2.3. Soil type/s:

Sl. No	Soil type	Characteristics	Area in ha
1	Red soil	High iron and aluminium content, well drained	-
2	Alluvial soil	One of the most fertile soils, heavy textured, ultisols	-
3	Sandy soil	No structure formation, CEC less, very low water holding capacity	-
4	Sandy loam	Few structure formation, low water holding capacity	-
5	Clay loam	Heavy textured, high water and nutrient holding capacity	-

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

Sl. No	Crop	Area (ha)	Production (ton)	Productivity (Qtl /ha)
1	Autumn Rice	15305	179740	11.74
2	Winter Rice	92570	1570170	16.96
3	Summer Rice	43828	1082310	24.69
4	Gram	96	330	3.34
5	Black gram	1388	8360	6.02
6	Green gram	311	105	3.38
7	Peas	1529	12500	8.17
8	Lentil	2772	13020	4.70
9	Arahar	192	15400	8.02
10	Summer black gram	350	209	5.971
11	Summer green gram	265	84	3.170
12	Others	230	1320	5.74
13	Rape and Mustard	9069	39860	4.40
14	Sesamum	377	1570	4.16
15	Linseed	314	1550	4.94
16	Nizer	653	3270	5.01
17	Castor	14	50	3.57
18	Jute	3594	543180	151.14
19	Mesta	165	7920	48.00
20	Sugarcane	915	335380	366.54
21	Wheat	3006	37120	12.35
22	Maize	246	1520	6.18
23	Other cereals & small millets	195	910	4.67
24	Tobacco	4	2	5.00
25	Potato	4305	459590	10.68
26	Sweet potato	201	4960	24.68
27	Tapioca	63	230	36.51
28	Banana	3358	453800	15.51
29	Pineapple	1825	341930	187.36
30	Orange	2875	314410	109.36
31	Papaya	392	61260	156.28
32	Assam lemon	535	173880	325.00
33	Guava	318	38812	1220.50
34	Litchi	455	9988	219.516
35	Jackfruit	1850	172309	93.14
36	Mango	187	17767	950.10
37	Other fruits	174	15566	894.60
38	Kharif vegetable	5412	403194	74.50
39	Rabi vegetable	9250	237262	43.84
40	Chillies	2221	10470	4.71

41	Turmeric	900	8350	9.28
42	Onion	823	24130	29.32
43	Ginger	361	25280	70.03
44	Coriander	1752	19307	11.02
45	Garlic	602	87350	145.10
46	Black pepper	120	2000	16.67

## 2.5. Weather data:

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	

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

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Crossbred</i>	130313	21998930 lts milk & 37073 kg meat	4.503lit 43.333 kg
<i>Indigenous</i>	1267301	27581277 lts milk & 214803 kg meat	1.033 lit 58 kg
<b>Buffalo</b>	86599	5306046 lts milk & 25269 kg meat	2.176 lit 59 kg
<b>Sheep</b>			
<i>Crossbred</i>			
<i>Indigenous</i>			
<b>Goats</b>	480613	1635849 lts milk & 337528 kg meat	0.213 lit 6.633 kg
<b>Pigs</b>	92,457	808810 kg meat	23 kg
<i>Crossbred</i>			
<i>Indigenous</i>			
<b>Rabbits</b>			
<b>Poultry</b>			
Hens	1418970	16598893 nos. egg & 220580 kg meat	
<i>Desi</i>			33 nos 0.730 kg
<i>Improved</i>			62 nos
Ducks	573486	11320594 nos. egg & 76052 kg meat	38 nos & 65 nos 1.00 kg
Turkey and others			

Category	Area	Production	Productivity
Fish	10673.17	12173.8	11408 kg/ha
<i>Marine</i>			
<i>Inland</i>			
Prawn			
Scampi			
Shrimp			

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

Sl. No.	Taluk/ Eleka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified thrust area
1	-	Boko	Raipara, Rongsipara, Bhogdabari, Jyogipara, Pohalapara, Medhipara	Paddy, Horticultural crops, Weaving, livestock, sericulture	i.Poor technical knowledge of farming community ii.Non-availability of quality seed/planting material	capacity building of farmers both in terms of production and utilization of resources, Seed and planting material production, soil testing & management, integrated disease management, livestock management, drudgery reducing techniques, processing & preservation
2	-	Chaygaon	Bortari, Faturi, Kukurmara,	Paddy, Livestock, Weaving Livestock based enterprise	i..Rearing of local breeds ii. Inadequate knowledge of scientific management practices of livestock . Non-availability of quality seed/planting material	capacity building of farmers both in terms of production and utilization of resources, Seed and planting material production, soil testing & management, integrated disease management, livestock management, drudgery reducing techniques, processing & preservation
3	--	Rani	Rajapanichanda, Menapara, Gosaihat, Botiipara, Balagaon, Belorguiri, Loharghat, Bongora Dhangargaon Dhanipara Aliha	Paddy, Vegetable, Livestock, weaving	i. Rearing of local breeds ii. Inadequate knowledge of scientific management practices of livestock	capacity building of farmers both in terms of production and utilization of resources, soil testing & management, integrated disease management, livestock management, drudgery reducing techniques, processing & preservation
4	-	Rampur	Jharobori, Nahira, Batorhat, Raangamati , Rampur	Paddy, Vegetable, Oilseed, Sericulture, Weaving Livestock based enterprise	Poor technical knowledge of farming community	capacity building of farmers both in terms of production and utilization of resources, soil testing & management, integrated disease management, livestock management, drudgery reducing techniques, processing & preservation

5	-	Sualkuchi	Bongsor, Kismat Bongsor, Pakorkona, Rowmari,	Vegetable, Sericulture, fishery, Weaving Livestock based enterprise	i. Poor technical knowledge of farming community ii. Unorganised sericulture farming	capacity building of farmers both in terms of production and utilization of resources, Formation of farmers interest group, fish disease and pond management, soil testing & management, integrated disease management, livestock management, drudgery reducing techniques, processing & preservation
6	-	Hajo	Kulhati, Konadia, Borni, Soniyadi, Bordodhi	Paddy, Vegetables, Pulses, Fishery, Weaving Livestock based enterprise	i. Poor technical knowledge of farming community ii. Inadequate & imbalanced use of chemical fertilizer iii. Inadequate storage facility	capacity building of farmers both in terms of production and utilization of resources, INM practice, Cold storage facilities, fish disease and pond management, soil testing & management, integrated disease management, livestock management, drudgery reducing techniques, processing & preservation
7	-	Bezera	Solmari, Khenipara, Bezera, manikpur Bhumulahati Titkuchi Saloibhangigaon Dumunichuki Bathan	Paddy, Vegetables, Livestock, fishery	i. Poor technical knowledge of farming community ii. Rearing of local breeds iii. Inadequate knowledge of scientific management practices of livestock	capacity building of farmers both in terms of production and utilization of resources, Improved breed, fish disease and pond management, soil testing & management, integrated disease management, livestock management, drudgery reducing techniques, processing & preservation
8	-	Dimoria	Deulguri, Chitollpur, Maloibari	Paddy, Vegetables, Livestock, weaving	i. Poor technical knowledge of farming community ii. Rearing of local breeds iii. Inadequate knowledge of scientific management practices of livestock	capacity building of farmers both in terms of production and utilization of resources, Improved breed, soil testing & management, integrated disease management, livestock management, drudgery reducing techniques, processing & preservation

9	-	Chyani-Barduwar	Magurpara, jharobari, guwalhati, No 1 haropara, Rangamati Satpokholi	Paddy, Vegetables, Pulses, Fishery, Weaving Livestock based enterprise	i. Poor technical knowledge of farming community ii. Inadequate & imbalanced use of chemical fertilizer iii. Inadequate storage facility	capacity building of farmers both in terms of production and utilization of resources, INM practice, .Cold storage facilities, fish disease and pond management, soil testing & management, integrated disease management, livestock management, drudgery reducing techniques, processing & preservation
10	-	Rangia	Tulsibari, Siknibari, Gurmou,	Paddy, Vegetables, Pulses, Fishery, Weaving Livestock based enterprise	i. Poor technical knowledge of farming community ii. Inadequate & imbalanced use of chemical fertilizer iii. Inadequate storage facility	capacity building of farmers both in terms of production and utilization of resources, INM practice , Cold storage facilities, fish disease and pond management, soil testing & management, integrated disease management, livestock management, drudgery reducing techniques, processing & preservation
11	-	Kamalpur	Borka, Barujani, Panitema, Dalang, Athgaon,	Paddy, Vegetables, Pulses, Fishery Weaving Livestock based enterprise	i. Poor technical knowledge of farming community ii. Inadequate & imbalanced use of chemical fertilizer iii. Inadequate storage facility	capacity building of farmers both in terms of production and utilization of resources, INM practice, Cold storage facilities, fish disease and pond management, soil testing & management, integrated disease management, livestock management, drudgery reducing techniques, processing & preservation
12	-	Bihdia Jajhikona	Jhajikona, Muktapur, Makundapur , loch , bihdia, korora, majgaon	Paddy, Vegetables, fishery. Weaving Livestock based enterprise	i. Poor technical knowledge of farming community ii. Non-remunerative prices for vegetables	capacity building of farmers both in terms of production and utilization of resources, Market led extension, fish disease and pond management, soil testing & management, integrated disease management, livestock management, drudgery reducing techniques, processing & preservation

### 3. TECHNICAL ACHIEVEMENTS:

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

Discipline	OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)			
	Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Agronomy	2	4+ (1)	4	3+(2)	2	7	40	185
Soil science	2	2	6	6	2	2	9	7
horticulture	2	2+ (1)	6	11+(3)	2	6+ ( 3)	10	49+(22)
Plant protection	2	2	8	3	3	3	11	11
Home science	2	3	8	15	3	3	14	14
Fishery	2	1+ (2)	8	4+(8)	3	4 + (5)	11	36+(23)
Animal science	-	--	-	-	2	2+ (1)	25	34+(35)
<b>Total</b>	<b>12</b>	<b>15 +(3)</b>	<b>40</b>	<b>42+(13)</b>	<b>17</b>	<b>27+ (9)</b>	<b>120</b>	<b>336+(80)</b>

Note: +() indicates previous year continuation of OFT and FLD.

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								
Rural youth								
Extn. Functionaries	7	10	175	261				
Total								
Seed Production (ton.)				Planting material (Nos.)				
5				6				
Target		Achievement		Target		Achievement		
Cereal				Assam lemon sapling -5000 nos.		7500 nos.		
Ranjit 9.5 t		6.42 ton		Banana sucker- 500 nos.		3000 nos.		
Tripura chicken -		0.28 t		Jack fruit sapling- -		200 nos.		
Black rice-		0.05 t		Turmeric rhizome 22.5 qt		24 qt		
Oil seed 0.5 ton		0.05 t		Areca nut seedling 300 nos		500 nos		
Lentil -		0.35 t		Tuberose bulb- 50000nos		50000nos.		
Blackgram 0.1 tn		0.32 t		Gerbera sucker- -		100 nos		
Mushroom spawn -		16.29 kg		Fodder slips- -		5000 nos		

Note: Target set during last Annual Zonal Workshop

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

Sl. No	Thrust area	Crop/ Enterprise	Identified problems	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension on personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Varietal evaluation	Boro Paddy	Lack of hybrids of boro paddy	Assessment of Hybrid Boro Paddy	-	-	-	Method demonstration. Field visit mobile advisory services	Seed, fertilizers and pesticides ( started 2015-16 and completed 2016-17)
2	Varietal evaluation	Sali paddy	Lack of short duration Sali paddy variety	Assessment of medium duration Sali paddy var. Tripura Chikan dhan	-	Production technology of Sali paddy	-	Method demonstration. Field visit mobile advisory services	Seed, fertilizers and pesticides
3	Varietal evaluation	Paddy	Low yield due to submergence	Performance of submergence tolerant Rice varieties	-	-	-	Method demonstration. Field visit mobile advisory services	Seed, fertilizers and pesticides
4	Varietal evaluation	Blackgram	Low yield of existing blackgram varieties	Performance of Blackgram varieties	-	Production technology of kharif pulses	-	Method demonstration. Field visit mobile advisory services	Seed, fertilizers and pesticides
5	Integrated crop management	Baby corn	Lack of standard agrotechniques of baby corn	Standardization of agrotechniques of Baby corn	-	-	-	Method demonstration. Field visit mobile advisory services	Seed, fertilizers and pesticides

6	Varietal evaluation	Papaya	Low yield of local varieties	Performance of Papaya Var. Coorg Honey Dew	-	-	-	Method demonstration. Field visit mobile advisory services, field visit	Seed ( started 2015-16 and completed 2016-17)
7	Varietal evaluation	Pumpkin	Lack of established variety	Performance of Pumpkin Hyb. Arjuna in rice based cropping sequence	-	-	-	Method demonstration. Field visit mobile advisory services	Seed
8	Varietal evaluation	Brinjal	Lack of high yielding brinjal variety	Performance of Brinjal var. Arka Keshar	-	-	-	Method demonstration. Field visit mobile advisory services	Seed
9	Soil health management	Paddy	Deterioration of soil health due to indiscriminate use of chemical fertilizer	Performance of Organic inputs on yield of Organic rice	-	Soil fertility management in rice based cropping system	-	Method demonstration on application of biofertilizers in Sali paddy, mobile advisory services, field visit	Seed, Fertilizer & biofertilizers
10	Soil management	Paddy	Improper management of soil due to imbalanced chemical fertilizer use	Application of ZnSO <sub>4</sub> In Sali paddy along with recommended dose of NPK Fertilizers to sustain its productivity	-	i. Soil fertility management in rice based cropping system ii. Soil testing, its importance & procedure	-	Mobile advisory services, field visit	Seed & Fertilizer



11	IPM	Tomato	Yield loss due to fruit borer infestation	IPM in tomato fruit borer.	-	IPM	-	Method demonstration on mass multiplication of bioagent, Field visit mobile advisory services	Seed, marigold cuttings, tricard, biofertilizer, biopesticide
12	IDM	Betelvine	Severe leaf and root rot infection	IDM in leaf and root rot of betelvine	-	IDM	-	Method demonstration on mass multiplication of bioagent, Bordeaux mixture preparation, mobile advisory services, Field visit	CUSO <sub>4</sub> , Lime, MOC, Bioveer, vermicompost
13	Value addition	Income generating activity	Papaya and banana are easily get rotten and spoiled when ripe	Value addition of papaya and banana as toffi & papaya tutifruiti	-	-	-	Method demonstration, Field visit mobile advisory services and marketing linkages	Raw materials, packaging materials
14	Drudgery reduction	Paddy	traditional practice of winnowing is tired sum for women and less productive	Introduction of Mechanical winnower as drudgery reduction tool	-	-	-	Method demonstration, Field visit	Winnower is used for programme and keeping in KVK kamrup
15	Drudgery reduction	Paddy	Health hazards specially eye and skin problem in harvesting and winnowing	Acceptability assessment of Protective clothing for farm women during different activities	-	-	-	Method demonstration, mobile advisory services, Field visit	Protective clothing set

16	Bamboo cage culture	Fish	low rate of recovery of Fish seed from pond	Bamboo cage rearing of Fish fingerlings	-	-	-	Method demonstration, mobile advisory services, field visit,	Bamboo cage, Nylone net, Fish fry ( started 2015-16 and completed 2016-17)
17	composite fish farming	Fish	Low growth performance of local <i>rahu</i>	Introduction of <i>Jayanti rahu</i> in composite fish farming	-			Method demonstration, mobile advisory services, field visit,	Jayanti rohu fingerlings ( started 2015-16 and completed 2016-17)
18	composite fish farming	Fish	Low growth performance of local <i>rahu</i>	Introduction of <i>Jayanti rahu</i> in composite fish farming				Method demonstration, mobile advisory services, field visit,	
19	Seed production	Paddy	-	-	Seed production technology of <i>Sali</i> paddy var. Ranjit	Seed production technology of <i>Sali</i> paddy	Recent advanced in agrotechnology of <i>Sali</i> paddy	Field visit, Field day, mobile advisory services	Seed, fertilizers and pesticides
20	Integrated crop management	Paddy	-	-	Transplanted early <i>ahu</i> paddy	Production technology of transplanted early <i>ahu</i> paddy	-	Field visit, mobile advisory services	Seed, fertilizers and pesticides
21	Integrated crop management	Blackgram	-	-	Cluster FLD on <i>Kharif</i> Pulse, Crop : Blackgram	-	-	Field visit, Field day. mobile advisory services	Seed, biofertilizers and pesticides
22	Integrated crop management	Sesamum	-	-	Cluster FLD on <i>Kharif</i> Oilseeds, Crop : Sesamum	-	-	Field visit, Field day. mobile advisory services	Seed, biofertilizers and pesticides
23	Seed production	Lentil	-	-	Cluster FLD on <i>rabi</i> pulse, Crop : Lentil	-	-	Field visit, Field day. mobile advisory services	Seed, biofertilizers and pesticides

24	Seed production	Toria	-	-	Cluster FLD on rabi Oilseeds, Crop : Toria	-	-	Field visit, Field day. mobile advisory services	Seed, biofertilizers and pesticides
25	Seed Production	Blackgram	-	-	Pulse Seed Hub: Crop: <i>Kharif</i> Blackgram	Seed production technology of <i>Kharif</i> pulse crop Blackgram	-	Field visit, mobile advisory services	Seed, fertilizers biofertilizers and pesticides
26	Varietal performance	Turmeric	-	-	FLD on <i>Turmeric</i>	-	-	Method demonstration , Field visit, Field day, mobile advisory services	Planting material
27	Varietal performance	Marigold	-	-	FLD on <i>Summer Marigold</i>	Production technology and post harvest handling	-	Method demonstration , Field visit, mobile advisory services	Planting material
28	Protected cultivation	Pineapple	-	-	Mulching in Pineapple for quality production	-	-	Method demonstration , Field visit, Field day, mobile advisory services	Planting material and black polythen mulch ( started 2015-16 and completed 2016-17)
29	Varietal performance	Vegetables	-	-	FLD on Pumpkin	Nursery raising of vegetables	-	Method demonstration , Field visit, Field day, mobile advisory services	Seed
30	Varietal performance	Assam lemon	-	-	FLD on Scientific cultivation of Assam lemon	Pruning and training of assam lemon	-	Method demonstration , Field visit, mobile advisory services	Planting material ( started in march 2016)

31	Varietal performance	Banana	-	-	FLD on Scientific cultivation of Banana	-	-	Method demonstration , Field visit, mobile advisory services	Planting material ( started in march 2016)
32	Varietal performance	Lemon	-	-	FLD on Scientific cultivation of Assam lemon	-	-	Method demonstration , Field visit, mobile advisory services	Planting material
33	Varietal performance	Banana	-	-	FLD on Scientific cultivation of Banana	-	-	Method demonstration , Field visit, mobile advisory services	Planting material
34	Protected cultivation	Tuberose	-	-	FLD on Use of Mulch for round the year & quality flower production of Tuberose	-	-	Method demonstration , Field visit, mobile advisory services	Planting material and black polythen mulch
35	Soil management	Toria	Imbalanced use of fertilizer in toria based cropping system	-	Cultivation practices of Toria with recommender dose of fertilizer and Borax	-	-	Field visit, Mobile advisory services	Seed & Fertilizers
36	Soil organisms (Beneficial)	Vermi compost	Production of organic inputs	-	Production of Vermicompost in low cost vermicompost unit	Soil Health management	-	Method demonstration, Field day, Field visit, Mobile advisory services	Rs. 1500/- as Construction cost for bamboo based low cost vermicompost unit & earth worms ( <i>Eisenia foetida</i> )
37	Mushroom production	mushroom	-	-	Oyester mushroom production	Scientific cultivation of mushroom	-	Method demonstration, Field visit, Field day. mobile advisory services	Spawn Polybeg

38	Bee Keeping	Bee Keeping	-	-	Bee Keeping	Bee keeping	-	Method demonstration bee keeping. Field visit, Field day, mobile advisory services	Bee hives <i>Apis cerena</i> , <i>Beeveil</i> , <i>Knif etc</i>
39	Biological management	Pumpkin	-	-	<b>Management of Fruitfly in Pumpkin using pheromone trap</b>	IPM	-	Method demonstration, Field visit, Field day. mobile advisory services	Pheromone trap
40	Waste utilization	Agarbatti making	--	-	Utilization of waste (Lantana camera) as income generating activities	Training on agarbatti making	-	mobile advisory services, Field visit,	Raw materials for agarbatti-chandan powder, Oil, gigget powder, packaging material
41	Low cost storage	Fruits & vegetables	-	-	Low cost storage structure for fruits and vegetables (Zero Energy Cool Chamber)	-	-	Method demonstration Zero Energy Cool Chamber . Field visit, mobile advisory services	Sand Brick Cement for ZECC construction
42	Nutrition garden	Vegetables	-	-	Nutrition Security through Nutrition Garden	-	-	Method demonstration, Field visit, mobile advisory services	Planting material, biofertilizer, biopesticide
43	IFS	IFS	-	-	Integrated rice-fish farming system				Fish fingerling, lime
44	IFS	IFS	-	-	Integrated Duck-fish-horticulture farming system				Duckling, ( started 2015-16 and completed 2016-17)

45	IFS	IFS	-	-	Integrated Poultry-Pig-Fish farming system				Kamrupa poultry, fish fingerling ( started 2015-16 and completed 2016-17)
46	Seed production	Fish	-	-	Fish seed village/ bank				Spawn ( started 2015-16 and completed 2016-17)
47	Feed management	Fish	-	-	Complementary fish feeding-Sushma				Sushma feed ( started 2015-16 and completed 2016-17)
48	Seed management	Fish	-	-	Fish seed rearing in backyard pond				Fish spawn ( started 2015-16 and completed 2016-17)
49	Seed management	Fish	-	-	Fish seed village/ bank				Fish spawn
50	Pond management	Fish	-	-	growth performance of IMC and indigenous carp carried over seed in poly culture system				yearling
51	IFS	IFS	-	-	Integrated Duck- fish-horticulture Farming System				Duckling
52	Breed upgradation	Piggery	-	-	Performance of cross breed Pig Hampshire x Ghungroo				Piglets
53	Varietal performance	Poultry	-	-	Demonstration on improved breed of Poultry 'Kamrupa'				Poultry bird ( started 2015-16 and completed 2016-17)









### 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	Assessment of Hybrid Boro Paddy	Lack of hybrids of boro paddy	T1:Indam 200-017; T2: Indam 7-205; Check :Arize 444 Gold	Boro paddy	1	<b>Crop duration</b> T1- 145 days T2-152 days T3- 145 days <b>Yield</b> T1-57 qt/ha T2-55.5 qt/ha T3- 48.5 qt/ha	Performance of hybrid Indam 7-205 was satisfactory	-	T1- 2.39 T2-2.29 T3-2.15
2	Assessment of medium duration Sali paddy var. Tripura Chikan dhan	Lack of short duration Sali paddy variety	T1-Tripura Chikan dhan FP-Aijong	Sali paddy	3	T1 Pl. ht (cm)-- 112.0 cm Tiller nos./hill-- 15 Grain/panicle --287 Panicle (cm) --25.75 Yield (q/ha) – 52.50 Crop duration--119 days  FP- Pl. ht (cm)-- 126 Tiller nos./hill --9 Grain/panicle --179 Panicle (cm)-- 28.5 Yield (q/ha) --33.0 Crop duration--135 days	The variety performed well and suited for rice-based cropping sequence	-	T1- 2.47  FP-1.55

3	Performance of submergence tolerant Rice varieties	Low yield due to submergence	Rice varieties Ranjit sub -1 Bahadur sub 1 Swanna sub-1 and Dhnsiri  FP- <i>Exhisting</i> <i>Ranjit</i>	Sali paddy	1	<p><b>Duration of submergence</b> Ranjit sub -1 : 3 days Bahadur sub 1 : 3 days Swanna sub-1 : 3 days FP : 3 days</p> <p><b>Stage</b> Ranjit sub -1: <b>Tillering</b> Bahadur sub 1: <b>Tillering</b> Swanna sub-1: <b>Tillering</b> FP : <b>Tillering</b></p> <p><b>Grain Yield</b> Ranjit sub -1 : <b>4.9</b> Bahadur sub -1 :5.2 Swanna sub-1 : 4.5 FP: <b>4.5</b></p>	As no submergence was occurred for long duration, need further testing	-	Ranjit sub -1: 2.15  Bahadur sub 1: <b>2.35</b>  Swanna sub-1: <b>2.05</b>  FP: <b>2.05</b>
4	Performance of Blackgram varieties	Low yield of existing blackgram varieties	Blackgram varieties: Beki, Kolong, Sankosh and Manas	Blackgram	1	<p><b>Duration-</b> Beki: 72 days Kolong: 72 days Sankosh: 72 days Manas: 72 days Local: 65 days <b>Yield (qt/ha)</b> Beki: 6.12 Kolong: 6.58 Sankosh: 5.15 Manas: 5.60 Local: 4.13 <b>Disease infestation-</b> Beki: NIL Kolong: NIL Sankosh: YMV Manas: YMV Local: YMV</p>	Variety Beki and Kolong were preferred as they can resist YMV.	-	Beki: 2.33  Kolong: 2.50  Sankosh: 1.96  Manas:2.13  Local:1.57

<b>5</b>	Standardization of agro-techniques of Baby corn	Lack of standard agrotechniques of baby corn	Var.: Baby corn –G-5414, Seed rate: 22.5 kg/ha spacing: 45 cm x 20 cm	Baby corn	<b>1</b>	Date of sowing	17-12-16	-	-	<b>6.98</b>
						Date of harvesting	14-03-17 to till date			
						Final plant stand (no./sq m)	8			
						Plant height (cm)	220 cm			
						Cob length with husk (cm)	24 cm			
						Cob length without husk (cm)	11.5 cm			
						Fresh baby corn weight (gm)	19 gm			
						Cob Yield without husk (kg/sq.m)	30.40 qt/ha			
<b>6</b>	Performance of Organic inputs on yield of organic rice	Deterioration of soil health due to indiscriminate use of chemical fertilizer	T <sub>1</sub> = Azolla @ 0.5t/ha+Biofertilizers (Azospirillum +PSB) @ 750g each biofertilizer /ha);T <sub>2</sub> = Application of 100% of recommended dose of NPK fertilizer;T <sub>3</sub> = Farmers' practice	Sali paddy/Rice-Toria/Crop	<b>3</b>	Yield t/ha T <sub>1</sub> - 5.4 T <sub>2</sub> - 6.0 T <sub>3</sub> - 5.4	Farmers are interested to repeat the technology in coming years	Performance of the technology during adverse climatic condition	T <sub>1</sub> - 2.09 T <sub>2</sub> - 1.93 T <sub>3</sub> - 2.31	

7	Application of ZnSO <sub>4</sub> in Sali paddy along with recommended dose of NPK fertilizers to sustain its productivity	Improper management of soil due to imbalanced chemical fertilizer use	T <sub>1</sub> = 100% of RD dose of NPK fertilizer ; T <sub>2</sub> = ZnSO <sub>4</sub> @ 25 kg / ha and compost @ 2t/ha along with RD of NPK fertilizer; T <sub>3</sub> = ZnSO <sub>4</sub> @ 25 kg / ha, compost @ 2t/ha and Borax @ 7.5 kg/ha along with RD of NPK fertilizer	Sali paddy/Rice-Rice/Crop	3	T <sub>1</sub> Yield -7.65 t/ha Av.Plant ht.- 1.44m Av. Tiller/plan t- 17.36 B:C - 2.46  T <sub>2</sub> Yield-6.43 t/ha Av.Plant ht.- 1.35m Av. Tiller/plant- 16.89 B:C - 1.90  T <sub>3</sub> Yield-7.42 t/ha Av.Plant ht.-1.44m Av. Tiller/plant- 17.33 B:C – 2.17	Farmers are interested to repeat the technology in coming years	Performance of the technology during adverse climatic condition	T <sub>1</sub> - 2.46 T <sub>2</sub> - 1.90 T <sub>3</sub> - 2.17
8	Performance of Papaya Var. Coorg Honey Dew	Low yield of local varieties	T1:Coorg Honey Dew FP: Sapna(F1) Check :Local	papaya	3	<b>Yield</b> T1- 420 qt/ha FP-648 qt/ha Check- 312 qt/ha <b>Net Return (Rs)</b> T1-6,75000 FP- 10,71,000 Check- 4,74,000	Satisfactory	Work on Yield potentiality may be done to compete with hybrid	T1:5.09 FP:5.76 Check: 4.16
9	Performance of Pumpkin Hyb. Arjuna in rice based cropping sequence	Lack of established variety	T1: Arjuna (F1) Check : Local	Pumpkin	3	<b>Crop duration</b> T1- 125 days Check- 145 days <b>Yield</b> T1- 126 qt/ha Check- 75 qt/ha <b>Net return (Rs)</b> T1- 155250/- Check- 52500/-	Satisfactory	Work on date of showing and disease resistance may be done.	T1-5.60 Check- <b>3.33</b>
10	Performance of Brinjal var. Arka Keshar	Lack of high yielding	T1: larka Keshar; Check :	Brinjal	3	<b>Crop duration</b> T1- perennial Check- perennial	Satisfactory	Work on date of showing	T1-4.23 Check-

		brinjal variety	Local (Kuchia)			<b>Yield</b> T1- 254 qt/ha Check- 160 qt/ha <b>Net return (Rs)</b> T1- 1,94,000/- Check- <b>1,00,000/-</b>		may be done	<b>2. 67</b>
11	IPM in tomato fruit borer.	Yield loss due to fruit borer infestation	Planting marigold as trap crop. Release of <i>T. chilonis</i> @ 50000eggs/ha a Spraying neem oil@5ml/lit at 30DAP(3 spray)	Tomato	2	<b>Percent infestation</b> Demo: 4.8% FP: <b>12.5%</b> <b>Crop yield (Q/Ha)</b> Demo: 400 q FP: <b>250q</b> <b>Net Return (Rs./ha)</b> Demo: <b>1,24,000/-</b> FP: 84,000/-	Use of trichocard and grow marigold as barrier crop satisfactorily controlling the infestation of fruit borer in tomato. Farmers have accepted the technology due to production of higher yield	Use of trichocard and grow marigold as barrier crop infestation in tomato can be satisfactorily control	Demo: 2.63  FP: <b>2.27</b>
12	IDM in leaf and root rot of betelvine	Severe leaf and root rot infection	Drenching of root zone with 1% BM four times. Spraying with 1% BM 8 times from June to Sept at 15 days interval. Application of <i>Trichoderma</i> mixed with MOC at root	Betelvine	2	<b>Percent infestation</b> Demo: 3.4% FP: 22.6%  <b>Crop yield (gut/ha)</b> Demo: 12000 FP: 3200  <b>Net Return (Rs./ha)</b> Demo: 505000/- FP: 107875/-	Spraying and soil drenching of Bordeaux mixture along with application of trichoderma and MOC can satisfactorily minimize the infection	Spraying and soil drenching of Bordeaux mixture along with application of trichoderma and MOC can satisfactorily minimize the infection	Demo: 3.34  FP: <b>2.28</b>

			zone @500kg/ha; 2 times at monthly interval after drenching and spraying with 1 % BM respectively.					rate in betelvine . Farmers have accepted the technology	rate in betelvine .		
13	Value addition of papaya and banana as toffi & papaya tutifruiti	Papaya and banana are is easily get rotten and spoiled when ripe	value addition of available local fruits to increase shelf life and as new avenue of income generating activity	income generating activity	2	<b>Parameters</b>	<b>Tutuf ruiti</b>	<b>Toffii</b>	Satisfactory but storage stability for long time is concern.	Work may be done on Using various storage material for increasing storage stability	-
						Economic benefit (profit%)	90-150%	15-87%			
						Storage stability	Upto 35 days	23 days			
						<b>Overall Sensory acceptability</b>					
						2 <sup>nd</sup> day	High	High			
						25 <sup>th</sup> day	High	Medium			
						<b>Using 10 score for sensory acceptability</b>					

14	Introduction of Mechanical winnower as drudgery reduction tool	traditional practice of winnowing is tired sum for women and less productive	Introduction of Mechanical winnower in comparison of traditional practice to reduce drudgery.	Paddy	10	<p><b>winnowing time for 40 kg paddy</b>  Demo: 45 min  Local: 80 min  <b>Total output in one day:</b>  Demo:  Local:  <b>Average energy expenditure kj/min:</b>  Demo:  Local:  <b>TEE for same quantity of output kj/min</b>  Demo:  Local:  <b>Total CCW</b>  Demo:  Local:  <b>PCW</b>  Demo:  Local:</p> <p>% increase of physiological cost of Traditional practice Over using mechanical winnower is 28%</p>			<p>1. one person cant do activity alone  2. Quality of winnowing is medium</p>	Work may be done on quality of winnowing	-
15	Acceptability assessment of Protective clothing for farm women during different activities	Health hazards specially eye and skin problem in harvesting and winnowing	Introduction of protective clothing	Paddy	3	<b>Acceptability</b> <b>Perceptions</b>	<b>Harvesting</b>	<b>Cleaning</b>	Head musk is not comfortable . suffocating for conducting long time activity	Changes in head musk may be much comfortable for user	-
						Physical fit	Medium	High			
						Aesthetic fit	Low	Low			
						Functional fit	Medium	High			
						Social content	Medium	Medium			



16	Bamboo cage rearing of Fish fingerlings	low rate of recovery of Fish seed from pond	Cage culture	Fish	2	Stocking number of fry- 10,380/- Recovery of fish fingerlings : 7,702/-  % survivability: 74.2 Gross cost ( 4 unit): 12,000/- Gross return : Rs 30,808/- Net return : Rs 18,808/-			2.81
17	Introduction of <i>Jayanti rahu</i> in composite fish farming	Low growth performance of local <i>rahu</i>		Fish			Demo	FP	
						Initial wt.(g)	110.0	80.0	
						time of harvest(g)	758	569	
						GC (Rs/0.1ha)	6500/-	6500/-	
						GR (Rs/0.1ha)	30600/-	22950/-	
NR (Rs/0.1ha)	24100/-	16450/-							
18	Introduction of <i>Jayanti rahu</i> in composite fish farming	Low growth performance of local <i>rahu</i>		Fish		Month wise wt Initial wt ( <b>20th Feb</b> ) Demo: 110g Local: 110g 20 <sup>th</sup> March Demo: 160g Local: 120g	-	-	On progress

**\*Field crops – ton/ha, \* for horticultural crops – kg/t/ha, \* milk and meat – litres or kg/animal, \* for mushroom and vermicompost kg/unit area.**

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

### 3.2 Achievements of Frontline Demonstrations during 2016-17

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

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

SI. No	Crop/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
1	Pulse	Seed production technology of <i>Kharif</i> pulse crop Blackgram	5	170	60.00 ha.
	Summer marigold	Production technology and post harvest handling	5	300	50.00 ha.
	Pineapple	Use of black polythene mulch (50 micron)	2	50	5.00 ha.
	Assam lemon	Production technology, pruning and training of Assam lemon	6	150	10.00 ha.
	Tuberose	Use of black polythene mulch (50 micron)	4	100	5.00 ha

**\* 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.	Sali paddy	Seed production	Seed production technology of Sali paddy var. Ranjit	Kharif	-	25	-	20	20	NA	Rainfed			
2.	Ahu paddy	Varietal performance	Ahu paddy Var. Naveen	Boro	5.0	5.0	-	18	18	NA	Irrigated			
3	turmeric	Varietal performance	var. Megha Turmeric-1	Kharif	0.67	0.13	-	1	1		Rainfed			
4	Summer marigold	Varietal performance	Var.: Seracole	Summer	1.0	0.40	3	-	3		Rainfed			
5	Pineapple	Protected cultivation	Black polythene mulch (50 micron thick)	Perennial	0.27	0.135	1	-	1		Irrigated			
6	Pumpkin	Varietal performance	Pumpkin hybrid Arjuna	Rabi	1.0	1.0	7	3	10	-	Irrigated			
7	Pumpkin	Pest management	Management of Fruitfly in Pumpkin using	Rabi	1.0	1.0	-	3	3	-	Irrigated			

			pheromone trap											
8	Assam lemon	Crop management	Assam lemon, var. Local (seedless)	Perennial	1.2	1.2	10	10	20		Irrigated			
9	Banana	Crop management	Banana, Cv. Malbhog	perennial	1.0	1.0		1	1		Irrigated			
10	Assam lemon	Crop management	Assam lemon, var. Local (seedless)	Perennial	1.2	1.2	8	10	18		Rainfed			
11	Banana	Crop management	:Banana Cv. Malbhog	Perennial	1.0	1.0	5	5	10		Irrigated			
12	Tuberose		Black polythene mulch (50 micron)	Perennial	0.189	0.189	2	5	7		Irrigated			
13	Sesamum	Varietal performance	Var.: Nagaon & Koliabor and INM package	Kharif	20	20	-	52	52	NA	Rainfed			
14	toria	INM	Var.: TS-67 and INM package	Rabi	30	30	-	75	75	NA	Rainfed			
15	Toria	Soil nutrient management	Toria (var. TS-36)	Rabi	0.5	0.5	-	4	4	-	Rainfed			
16	Blackgram	Varietal performance	Var.: PU-31 and INM package	Kharif	30	30	-	58	58	NA	Rainfed			
17	Lentil	Varietal performance	Var.: KLS-218 and INM package	Rabi	20	20	-	18	18	NA	Rainfed			
18	Kharif Blackgram	Seed production	Var.: PU-31	Kharif	30	30	-	80	80	NA	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*			GC**	GR**	NR**	BC R**	GC	GR	NR	BCR
1	Sali paddy	Seed production	25	48	38	26.31	50.5	45.5	-	-	3187 5/-	7200 0/-	4012 5/-	2.2 6	3075 0/-	5700 0/-	2625 0/-	1.85
2	Ahu paddy		5	-	-	-	-	-	-	-	On progress							
3	Turmeric	Varietal performance	0.13	240	180	33.0	290	175	-	-	95,0 00/-	4800 00/-	3850 00/-	5.0 5	85,5 00/-	3600 00/-	2745 00/-	4.21
4	Summer marigold	Varietal performance	0.40	633 75 (no. of garl end /Ha)	611 45 (no. of garl end /ha)	3.6	717 50	5762 5			4005 0/-	3535 00/-	2085 00/-	4.6 3	4500 0/-	2140 00/-	1690 00/-	3.75
5	Pineapple	Protected cultivation	0.13 5	528	180	193	535	515			2042 50/-	7040 00/-	4997 50/-	3.4 5	1000 00/-	2700 00/-	1700 00/-	2.70
6	Pumpkin	Varietal performance	1.0	160	90	77.8	180	130	-	-	3375 0/-	2400 00/-	2062 50/-	7.1 1	2250 0/-	1350 00/-	1125 00/-	6.0
7	Pumpkin	Pest manag	1.0	160	90	77.8	180	130	7.5	35.2	3375	2400	2062	7.1 1	2250	1350	1125	6.0

		ement									0/-	00/-	50/-		0/-	00/-	00/-		
8	Assam lemon	Varietal performance	1.2	-	-	-	-	-	-	-									On progress (started during March,2016) Flowering started
9	Banana	Varietal performance	1.0	-	-	-	-	-	-	-									On progress (started during March,2016) Late vegetative stgs
10	Assam lemon	Varietal performance	1.2	-	-	-	-	-	-	-									On progress (started during March,2017)
11	Banana	Varietal performance	1.0	-	-	-	-	-	-	-									On progress (started during March,2017)
12	Tuberose	Protected cultivation	0.189	-	-	-	-	-	-	-									On progress (started during March,2017)
13	Sesamum	Varietal performance	20	5.25	4.45	1.80	5.75	4.75			16500/-	31500/-	15000/-	1.90	16500/-	26700/-	10200/-	1.62	
14	Toria	INM	30	7.88	6.38	23.51	8.0	7.76			18750/-	27580/-	8830/-	1.47	16500/-	22330/-	5830/-	1.35	
15	Toria	Soil management	0.5	7.13	5.6	27.32	7.35	6.9	-	-	37,281	42,780	5499	1.15	32000	33600	1600	1.05	
16	Blackgram	Varietal performance	30	5.75	5.60	1.79	6.25	5.25			15750/- (D)	34500/-	18750/-	2.19	10500/- (FP)	33900/-	23400/-	3.22	
17	Lentil	Varietal performance	20	5.25	5.0	5.0	6.0	4.5	-	-	20250/-	31500/-	11250/-	1.56	157500/-	30000/-	142500/-	1.90	

18	Kharif Blackgram	Seed production	30	6.0	5.60	7.14	6.5	5.5	-	-	1575 0/-	3600 0/-	1875 0/-	2.2 9	1050 0/-	3390 0/-	2340 0/-	3.22
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\*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:**

SI.No.	Activity	No. of activities organized	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days	5(Agron)	21-11-2016	40	0	40	
			10-12-2016	64	0	64	
			13-12-2016	52	0	52	
			11-02-2017	60	0	60	
			03-03-2017	50	0	50	
		Horticulture	25-01-2017	-	33	33	
2	Farmers Training	2	18-08-2016	23	0	23	
			24-08-2016	26	26	26	
			21-09-2016	34	0	34	
3	Media coverage						
4	Training for extension functionaries						
5	Any other (Pl. specify)						
	<b>Total</b>						





			impr oved breed of Poult ry 'Kam rupa'																	
3			Dem onstr ation on impr oved breed of Poult ry 'Kam rupa'																	

**\*\* 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	The matric 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		GC**	GR*	NR*	BCR**	GC	GR	NR	BCR			

	fish etc.																			
	IFS	IFS	Integrated Duck-fish-horticulture Farming System	10								20,500/-	1,24,100/-	103600/-	6.05	-	-	-	-	
			Integrated rice-fish farming system									65000/-	14152/-	7652/-	2.17	3125/-	4777/-	1652/-	1.52	No disease incident recorded
			Integrated Duck-fish-horticulture farming system									19,000/-	1,00,250/-	81,250/-	4.27					
			Integrated Poultry-Pig-Fish farming system									39,000/-	1,97,000/-	1,58,000/-	4.05					
			Fish seed village/bank									39,000/-	206400/-	167400/-	5.29					
			Complimenta									20500/-	83,33	62830	4.06	16000/-	51,840/-	35840/-	3.24	

			ry fish feeding - Sushma									0/-	/-						
			Fish seed rearing in backyard pond									35,000/-	1,84,200/-	1,49,200/-	5.26				
			Fish seed village/bank									39,000/-	206400/-	167400/-	5.29				
			growth performance of IMC and indigenous carp carried over seed in poly culture system										On progress						

**\*\* 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, vermiculture etc.	The 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		GC**	GR**	NR*	B C R*	GC	GR	N R	B C R			
																	o	heck	
1	Mushroom	Mushroom Production	Oyster Mushroom	5	5	228kg/100 beg	-	-	-	-	16200	38560	22360	2.38	-	-	-	-	Farmer are interested to go for year round cultivation of mushroom
2	Bee keeping	Bee keeping	Apis cerena	3	3	23.75 (kg/ yr / 3 hive	-	-	-	-	650 /yr / 3 hive	7125 /yr /3 hive	6475/yr / 3 hive	9.9: 1	-	-	-	-	Rural youth are found interested in apiculture
3	Agarbat making	Waste utilization	Utilization of waste (Lantana camera) as income gener	10	1	Cost benefit and customer perception	-	-	--	-	Rs. 95/-	Rs. 270/-	Rs. 175/-	2.8	-	-	-	-	Good income generating activity and Customer perception found

			ating activities																satisfactory.
4	Fruits & vegetables	Low cost storage	Zero Energy cool chamber	2	2	Shelf life in ZECC	Shelf life in room temp.	<b>Shelf life increase in ZECC</b> Green leafy -150 cucurbits leaf & tits - 167 Bean -200 kidney bean -160 Tomato - 116 Cauliflower - 160 Carrot -86 Peas -175 Brinjal -87 Bottle gourd -47 Chilli -160 cabbage-71 Bettle vine -250	-	-	-	-	-	-	-	-	-	-	Shelf life of fruits and vegetables are significantly more in ZECC
5	Nutrition garden	Nutrition garden	Nutrition garden	2	2	<b>Frequency of consumption of micro nutrient rich food –</b> <b>Before:</b> 2-4 times/week <b>After:</b> 6-8 times/week  <b>Knowledge level on</b>		<b>Practice and attitude:</b> Found variety of new recipes being prepared by women in targeted household	Economic benefit: Rs600-800/month in terms of consumption or sale of vegetables			-	-	-	-				Impact of nutrition garden found positive in terms of quantitative and qualitative manner



**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.**

























Nursery management																							
Integrated Crop Management	7	-	7	200	-	46	-	246	-	15	-	3	-	18	-	215	-	49	-	264	-	264	
Fodder production																							
Production of organic inputs																							
<b>II. Horticulture</b>																							
<b>a) Vegetable Crops</b>																							
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>b) Fruits</b>																							





































farmers																						
Capacity building for ICT application	-	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Recent advances in fisheries extension	1	-	1	14	-	4	-	18	-	7	-	1	-	8	-	21	-	5	-	26	-	26
Management in farm animals	-	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Post harvest handling of fruits and vegetables	1	-	1	20	-	-	-	20	-	5	-	-	-	5	-	25	-	-	-	25	-	25
Household food security	-	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Women and Child care	1	-	1	-	-	16	-	16	-	-	-	14	-	14	-	-	-	30	-	30	-	30
Low cost and nutrient efficient diet designing	-	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil testing its importance and procedure	1	-	1	19	-	5	-	24	-	1	-	1	-	2	-	20	-	6	-	26	-	26
Gender mainstreaming through SHGs	-	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Domestic	1	-	1	-	-	29	-	29	-	-	-	10	-	10	-	-	-	39	-	39	-	39

violence and women rights																						
KCC training Level-1 & 2	-	1	1	-	18	-	4	-	22	-	7	-	3	-	10	-	25	-	7	-	32	32
<b>TOTAL</b>	<b>8</b>	<b>2</b>	<b>10</b>	<b>85</b>	<b>27</b>	<b>54</b>	<b>6</b>	<b>139</b>	<b>33</b>	<b>53</b>	<b>7</b>	<b>26</b>	<b>3</b>	<b>76</b>	<b>10</b>	<b>138</b>	<b>36</b>	<b>80</b>	<b>7</b>	<b>218</b>	<b>43</b>	<b>261</b>

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

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

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
Horticulture	Protected cultivation technology	Protected cultivation technology of vegetables	21 <sup>st</sup> to 23 <sup>rd</sup> Nov	3 days	KVK, Kamrup	F/FW	8	-	8	8	-	8	16	-	16
Horticulture	Production technology	Commercial cultivation of turmeric and Assam lemon	26/4/16	1		F/FW	1	-	1	9	-	9	10	-	10
Horticulture	precision farming	Training on precision farming	26/5/16	1		RY	7	-	7	6	3	9	13	3	16
Plant protection	Organic Farming	Organic Farming	27/5/16	1		RY	-	-	-	8	5	13	8	5	13
Multidisciplinary	Employment Gurantee scheme	Mahatma Gandhi national Rural Employment	7/6/16	1		EF	8	-	8	--	-	-	8	-	8

		Guarantee scheme													
Multidisciplinary	Importance of Agriculture	Importance of Agriculture	14/6/17	1		School children	12	17	29	6	4	10	18	21	39
Soil Science	Bio input	Production and use of vermicompost and other organic input	17/6/16	1		<b>F/ FW</b>	12	2	14	7	1	8	19	3	22
Soil Science	Bio input	Production and use of vermicompost	25/6/16	1		<b>F/ FW</b>	30	1	31	7	-	7	37	1	38
Soil Science	Bio input	Production and use of vermicompost	25/6/16	1		<b>F/ FW</b>	9	29	38	1	2	3	10	32	42
Agronomy	Crop production	Crop production technology	4/7/16	1		EF	9	2	11	-	-	-	9	2	11
Soil Science	Bio input	Production and use of vermicompost	20/7/16	1		F/FW	12	-	12	2	-	2	14	-	14
horticulture	Commercial and protected cultivation	Commercial cultivation of banana and protected cultivation of vegetables	19 <sup>th</sup> aug to 25 <sup>th</sup> aug	7		RY	16	2	18	10	4	14	26	6	32
Soil Science	Bio input	Production and use of vermicompost	29/8/16	1		F/FW	6	8	14	3	8	11	9	16	25

Horticulture	FOCT training	FOCT training	5 <sup>th</sup> sep to 10 <sup>th</sup> sep	6		RY	40	-	40	7	-	7	47	-	47
horticulture	Commercial and protected cultivation	Commercial cultivation of banana and protected cultivation of vegetables	23 <sup>rd</sup> sep to 30 <sup>th</sup> sep	8		RY	6	2	8	2	1	3	8	3	11
horticulture	FOCT training	FOCT training	31 <sup>st</sup> oct to 5 <sup>th</sup> nov	6		RY	26	-	26	14	-	14	40	-	40
horticulture	FOCT training	FOCT training	15 <sup>th</sup> Nov to 20 <sup>th</sup> Nov	6		RY	24	-	24	2	-	2	26	-	26
Animal Science	Commercial broiler farming	Commercial broiler farming	29/11/16	1		F/FW	-	6	6	-	9	9	-	15	15
Horticulture	FOCT training	FOCT training	5 <sup>th</sup> Dec to 10 <sup>th</sup> Dec	6		RY	29	-	29	13	-	13	42	-	42
Fishery	IFS	IFS	26 <sup>th</sup> Dec to 30 <sup>th</sup> Dec	5		F/FW	24	4	28	-	4	4	24	8	32
Horticulture	FOCT training	FOCT training	17 <sup>th</sup> jan to 22 <sup>nd</sup> jan	6		RY	34	-	34	14	-	14	48	-	48
Horticulture	Skill development	Skill development training on raising and management of commercial nursery	6 <sup>th</sup> feb to 26 <sup>th</sup> feb	21		RY	2	-	2	13	-	13	15	-	15
Fishery	Composit	Composit	9feb to	3		F/FW	24	6	30	-	-	-	24	6	30

	fish farming	fish farming	11 <sup>th</sup> feb												
Horticulture	Skill Development	Mali Training	28 <sup>th</sup> Feb to 29 <sup>th</sup> march	30		RY	37	2	39	7	3	10	44	5	49

**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
<b>Crop production</b>															
1	production technology	Improved production technology of kharif pulse	21/9/16	1	Bortari	F/FW	26	-	26	8	-	8	34	-	34
2	production technology	Improved production technology of rice cultivation	1/10/16	1	mandakata	F/FW	33	-	33	-	-	-	33	-	33
3	production technology	Improved production technology of	21/12/16	1	Bihdia	F/FW	23	27	50	-	-	-	23	27	50



	gy	rice cultivation														
4	Seed production	Seed production technology of rice	29/12/16	1	Halogaon	RY	19	7	26	1	-	1	20	7	27	
5	production technology	Improved production technology of rice cultivation	19/1/17	1	Chai gaon	F/FW	16	8	24	-	1	-	16	9	25	
6	Recent advances in agro technology	Recent advances in agro technology of Sali paddy	21/2/17	1	LRS mandira	EF	6	-	6	19	-	19	25	-	25	
7	Improved production technology	Improved production technology of transplanted early Ahu paddy	6/3/17	1	Ujanpuri	F/FW	50	-	50	-	-	-	50	-	50	
8	Improved	Improved production	7/3/17	1	Bihdia	F/FW	26	-	26	-	-	-	26	-	26	

	production technology	production technology of transplanted early Ahu paddy														
9	Improved production technology	Improved production technology of transplanted early Ahu paddy	18/3/17	1	Bongora	F/FW	31	10	41	-	-	-	31	10	41	
10	IFS	IFS for livelihood security	31/3/17	1	Muktapur	RY	25	-	25	-	-	-	25	-	25	
<b>Horticulture</b>																
1	post harvest handling	Production technology and post harvest handling of major flowers	8/11/16	1	Milonpur	RY	9	-	9	19	-	19	28	-	28	
2	Nursery raising	Nursery raising of vegetable crops	16/11/16	1	Moniari	F/FW	24	3	27	-	-	-	24	3	27	
3	Orchard man	Pruning and raising of	12/12/16	1	Balistrara	F/FW	42	-	42	1	-	1	43	-	43	

	agement	Assam lemon and management of orchard for early fruiting														
4	Orchard management	Production technology of mandarin and management of mandarin orchard	9/3/17	1	Nagarbera	F/FW	22	7	29	-	-	-	22	7	29	
5	PHM	Post harvest handling of fruits and vegetables	31/3/17	1	Boko	EF	20	-	20	5	-	5	25	-	25	
<b>Plant protection</b>																
1	IDM	Integrated disease management in vegetables	21/9/16	1	Kollapara	F/FW	25	-	25	-	-	-	25	-	25	
2	IPM	Recent advances in pest management	23/9/16	1	Nizorapara	RY	1	56	57	-	1	1	1	57	58	

		ment in rice														
3	IPDM	Recent advances in pest and disease management in Banana	28/9/16	1	Aliha	F/FW	-	-	-	28	-	28	28	-	28	
4	Biological disease management	Organic disease management practices of ginger and turmeric	28/12/16	1	Aliha	F/FW	2	-	2	8	17	25	10	17	27	
5	Mushroom production	Production technology of oyster mushroom	21/1/17	1	Sathisala	F/FW	-	10	10	-	18	18	-	28	28	
6	Mushroom production	Production technology of oyster mushroom	25/1/17	1	Belortal	RY	8	2	10	5	13	18	13	15	28	
7	IPDM	IPDM in rabi vegetables	27/1/17	1	Millonpur	F/FW	5	-	5	15	5	20	20	5	25	

8	IPDM	Recent advances in pest and disease management in rice	3/2/17	1	Boko	EF	19	-	19	3	-	3	22	-	22
9	Mushroom production	Production technology of oyster mushroom	9/2/17	1	Lohar ghat	RY	1	3	4	12	31	43	13	34	47
10	Pest management	Management of stored grain pest	14/2/17	1	Mena para	F/FW	24	-	24	3	-	3	27	-	27
Soil Science															
1	Soil fertility management	Soil fertility management in rice based cropping system	14/9/16	1	Dhan garga on	F/FW	-	-	-	25	2	27	25	2	27
2	Soil fertility management	Soil fertility management in rice based cropping system	21/10/16	1	Bhum ulahat i, Bezer a	F/FW	22	5	27	-	-	-	22	5	27
3	Organic input	Production and use of organic	15/12/16	1	Bortari	F/FW	16	-	16	10	-	10	26	-	26

	s	inputs														
4	Soil management	Management of problematic soil in rice based cropping system	18/1/17 & 19/1/17	2	Monirini	F/FW	24	1	25	1	-	1	25	1	26	
5	INM	Integrated nutrient management in rice	27/1/17 & 28/1/17	2	Borhazara	F/FW	18	8	26	-	-	-	18	8	26	
6	Soil testing	Soil testing its importance and procedure	2/2/17	1	Dhangarion	RY	-	-	-	24	2	26	24	2	26	
7	Soil testing	Soil testing its importance and procedure	4/2/17	1	Bhattapara	RY	24	1	25	-	-	-	24	1	25	
8	Soil testing	Soil testing its importance and procedure	6/2/17	1	Khatiamari	EF	19	5	24	1	1	2	20	6	26	
9	organic inputs	Production and use of organic inputs	17/2/17	1	Sahan	RY	19	9	28	--	-	-	19	9	28	

10	Soil and water conservation	Soil and water conservation for sustainable productivity	21/2/17	1	Mondira	EF	7	-	7	18	-	18	25	-	25
11	INM	Integrated nutrient management in rice	2/3/17	1	Aliha	F/FW	-	-	-	17	8	25	17	8	25
<b>Home science</b>															
1	Income generating activities	Income generating activities for SHGs	12/9/16	1	Moirampur	RY	1	-	1	10	18	28	11	18	29
2	Child care practices	Child care practices for physical and mental health of a child	14/9/16	1	Belguri	F/FW	-	-	-	3	25	28	3	25	28
3	food security	Nutrition garden for household food security	28/9/16	1	Dhan gargaon	F/FW	-	-	-	11	15	26	11	15	26

4	Domestic violence and women's rights	Domestic violence and women's rights	17/12/16	1	Azara, PHC	EF	-	29	29	-	10	10	-	39	39
5	minimization of nutrient loss	Nutrition education and minimization of nutrient loss in cooking and processing of fruits and vegetables	24/12/16	1	Dhan gargon	F/FW	-	24	24	-	-	-	-	24	24
6	Child care practices	Care and practices of child during pre school period	13/2/17	1	Azara, PHC	EF	-	16	16	-	14	14	-	30	30
7	Value addition	Processing and preservation of ginger at household	7/3/17	1	Mukta pur	F/FW	-	24	24	-	-	-	-	24	24





**(D) Vocational training programmes for Rural Youth / Farmers and farm women**

Crop / Enterprise	Date (From – To)	Duration (days)	Area of training	Training title*	No. of Participants									Impact of training in terms of Self employment after training				Whether Sponsored by external funding agencies (Please Specify with amount of fund in Rs.)
					General			SC/ST			Total			Type of enterprise ventured into	Number of units	Number of persons employed	Avg. Annual income in Rs. generated through the enterprise	
					M	F	T	M	F	T	M	F	T					
Processing and preservation of Fruits and Vegetables	24th jan to 30 <sup>th</sup> jan	5 days	Processing and preservation of Fruits and Vegetables	Processing and preservation of locally available Fruits and Vegetables	-	25	25	-	-	-	-	25	25	Processing and preservation	1	3	Just started	KVK
Processing and preservation of Fruits and Vegetables	14 <sup>th</sup> feb to 18 <sup>th</sup> feb	5 days	Processing and preservation of Fruits and Vegetables	Processing and preservation of locally available Fruits and Vegetables	-	18	18	-	-	7	-	25	25	Processing and preservation	2	6	Just started	KVK



On	F/ FW	26/4/16	1	Horticulture	Production technology	Commercial cultivation of turmeric and Assam lemon	1	-	1	9	-	9	10	-	10	IAS ST, Bora gao n, Ghy	Fund utilize by collaborative agency
On	RY	26/5/16	1	Horticulture	precision farming	Training on precision farming	7	-	7	6	3	9	13	3	16	CIH, nagaland	Do
On	RY	27/5/16	1	Plant protection	Organic Farming	Organic Farming	-	-	-	8	5	13	8	5	13	NGO	Do
On	EF	7/6/16	1	Multidisciplinary	Employment Gurantee scheme	Mahatma Gandhi national Rural Employment Gurantee scheme	8	-	8	--	-	-	8	-	8	SIRD	Do
On	School children	14/6/17	1	Multidisciplinary	Importance of Agriculture	Importance of Agriculture	12	17	29	6	4	10	18	21	39	St. Clar et School	Do
On	F/ FW	17/6/16	1	Soil Science	Bio input	Production and use of vermicompost and other organic input	12	2	14	7	1	8	19	3	22	SIRD	Do
On	F/ FW	25/6/16	1	Soil Science	Bio input	Production and use of vermicompost	30	1	31	7	-	7	37	1	38	SIRD	Do
On	F/ FW	25/6/16	1	Soil Science	Bio input	Production and use of vermicompost	9	29	38	1	2	3	10	32	42	SIRD	Do
On	EF	4/7/16	1	Agronomy	Crop production	Crop production technology	9	2	11	-	-	-	9	2	11	SAM ETI	Do
On	F/ FW	20/7/16	1	Soil Science	Bio input	Production and use of vermicompost	12	-	12	2	-	2	14	-	14	SIRD	Do
Vocational	RY	19 <sup>th</sup> aug to 25 <sup>th</sup> aug	7	horticulture	Commerci al and protected cultivation	Commercial cultivation of banana and protected cultivation of vegetables	16	2	18	10	4	14	26	6	32	ARK SM, Ghy	Do
On	F/ FW	29/8/16	1	Soil Science	Bio input	Production and use of vermicompost	6	8	14	3	8	11	9	16	25	SIRD	Do

Vocational	RY	5 <sup>th</sup> sep to 10 <sup>th</sup> sep	6	Horticulture	FOCT training	FOCT training	40	-	40	7	-	7	47	-	47	CDB ,Ghy	Do
Vocational	RY	23 <sup>rd</sup> sep to 30 <sup>th</sup> sep	8	horticulture	Commercial and protected cultivation	Commercial cultivation of banana and protected cultivation of vegetables	6	2	8	2	1	3	8	3	11	NGO	Do
Vocational	RY	31 <sup>st</sup> oct to 5 <sup>th</sup> nov	6	horticulture	FOCT training	FOCT training	26	-	26	14	-	14	40	-	40	CDB ,Ghy	Do
Vocational	RY	15 <sup>th</sup> Nov to 20 <sup>th</sup> Nov	6	horticulture	FOCT training	FOCT training	24	-	24	2	-	2	26	-	26	CDB ,Ghy	Do
On	F/FW	29/11/16	1	Animal Science	Commercial broiler farming	Commercial broiler farming	-	6	6	-	9	9	-	15	15	NGO	Do
Vocational	RY	5 <sup>th</sup> Dec to 10 <sup>th</sup> Dec	6	Horticulture	FOCT training	FOCT training	29	-	29	13	-	13	42	-	42	CDB ,Ghy	Do
Vocational	F/FW	26 <sup>th</sup> Dec to 30 <sup>th</sup> Dec	5	Fishery	IFS	IFS	24	4	28	-	4	4	24	8	32	NFDB	Do
Vocational	RY	17 <sup>th</sup> jan to 22 <sup>nd</sup> jan	6	Horticulture	FOCT training	FOCT training	34	-	34	14	-	14	48	-	48	CDB ,Ghy	Do
Vocational	RY	6 <sup>th</sup> feb to 26 <sup>th</sup> feb	21	Horticulture	Skill development	Skill development training on raising and management of commercial nursery	2	-	2	13	-	13	15	-	15	MAC, Dhemaji	1,41,218/--
Vocational	F/FW	9feb to 11 <sup>th</sup> feb	3	Fishery	Composit fish farming	Composit fish farming	24	6	30	-	-	-	24	6	30	NFDB	Fund utilize by collaborative agency
Vocational	RY	28 <sup>th</sup> Feb to 29 <sup>th</sup> march	30	Horticulture	Skill Development	Mali Training	37	2	39	7	3	10	44	5	49	Director of Horti .	Fund utilize by collaborative agency



21.	Exposure visits																
22.	Electronic media (CD/DVD)																
23.	Extension literature																
24.	Newspaper coverage																
25.	Popular articles																
26.	Radio talk																
27.	TV talk																
28.	Training manual																
29.	Soil health camp																
30.	Awareness camp																
31.	Lecture delivered as resource person																
32.	PRA																
33.	Farmer-Scientist interaction																
34.	Soil test campaign																
35.	Mahila Mandal Convener meet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36.	Any other (Please specify) Workshop ( sponsored by petroleum conservation research Association, Ministry of petroleum & Natural Gas	Agriculture workshop on petroleum product conservation	8/7/16 1 day	1	22	2	24	3	-	3	-	-	-	25	2	27	
37.																	
<b>Grand Total</b>																	

### 3.5 Production and supply of Technological products during 2016-17

#### A. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (t) produced	Value (Rs.)	Quantity (t) sold	Number of recipient/beneficiaries		
						General	SC/ST	Total
CEREALS	paddy	Ranjit	6.42 t	211800/-	0.03t	2	1	3
		Tripura Chikan	0.28 t	12600/-	0.025t	3	2	5
		Black rice	0.05 t	2250/-	0.015t	2	-	2

<b>OILSEEDS</b>	Toria	TS-36	0.05t	3000/-	Not started			
<b>PULSES</b>	Blackgram	Sakhar	0.32t	32000/-	0.29t	10	-	10
	Lentil	KLS-218	0.35t	35000/-	0.35t	10	10	20
<b>OTHERS (Specify)</b>								
<b>Mushroom spawn</b>	Mushroom spawn	Oyster	16.29kg	1718/-	16.29	10	7	17
<b>Total</b>			-	298368/-	-	37	20	57

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

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Quantity (t) sold	Number of recipient/ beneficiaries		
					General	SC/ST	Total
1	CEREALS						
	paddy	6.75 t	2,26,650	<b>0.06 t</b>	<b>7</b>	<b>3</b>	<b>10</b>
2	OILSEEDS	0.05t	3000/-	-	-	-	-
3	PULSES	0.67t	67000/-	0.64 t	20	10	30
6	OTHERS ( mushroom Spawn)	16.29kg	1718/-	16.29kg	10	7	17
<b>TOTAL</b>			298368/-		37	20	57

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

Major group/class	Crop	Variety	Quantity produces Numbers	Value (Rs.)	Quantity sold numbers	Number of recipient beneficiaries		
						General	SC/ST	Total
Fruits								
	Banana suckers	Malbhog & Jahaji	3000	60000/-	2543	100	16	116
	Assam lemon saplings	Local Seedless	7500	187500/-	4000	162	40	202
	Jack fruit saplings	Grafted saplings	200	10000/-	93	18	3	21
Spices	turmeric	Megha turmeric-1	24 qt	72000/-	14qt	10	10	20



Flower	Tuberose bulb	Prajjal	50000	100000/-	19800	30	20	50
	Gerbera suckers		100	500/-	100 nos	1	-	1
Plantation crops	Arecanut seedlings	Kahikuchi & local improved	500 nos	15000/-	110nos.	15	-	15
Fodder	Fodder slips	Napier & setaria	5000 nos	5000/-	890nos	17	2	19

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

Sl. No.	Major group/class	Quantity produces Numbers	Value (Rs.)	Quantity sold numbers	Number of recipient beneficiaries		
					General	SC/ST	Total
1	Fruits	10700	257500/-	6636	280	59	339
2	Spices	24 qt	72000/-	14	10	10	20
3	Flowers	50100	100500/-	19900	31	20	51
7	Plantation crops	500	15000/-	110	15	-	15
8	OTHERS (Specify) Fodder	5000	5000/-	890	17	2	19
TOTAL			450000/-	-	353	91	444

### C. Production of Bio-Products during 2016-17

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient /beneficiaries		
			No	(kg)		General	SC/ST	Total
			BIOAGENTS	PSB				
	Azotobacter	-	-	67.90kg	5090/-	3	7	10
	Azospirillum	-	-	12.50kg	938/-	-	2	2

	Rhizobium	-	-	245.00kg	18375/-	8	2	10
<b>BIOFERTILIZERS</b>								
	vermicompost	-	-	8 qt	8000/-	50	20	70
	Earth warm	<i>Eisenia foetida &amp; Eudrillus euginae</i>	45000	-	45000/-	10	10	20
<b>BIO PESTICIDES</b>								
1 Bioveer	Bioveer	Trichoderma viride	-	650 kg	48750/-	19	10	29

### 1. SUMMARY of production of bio-products during 2016-17

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient beneficiaries
			Nos	(kg)		General	SC/ST	
1	BIOAGENTS	-	-	590.4 kg	44278/-	21	23	44
2	BIO FERTILIZERS	<i>Eisenia foetida &amp; Eudrillus euginae</i>	45000	8 qt	53000/-	60	30	90
3	BIO PESTICIDE	Trichoderma viride	-	650 kg	48750/-	19	10	29
	<b>TOTAL</b>				146028/-	100	63	163

### D. Production of livestock during 2016-17

Sl. No.	Type of livestock	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		
			(Nos)	Kgs		General	SC/ST	Total
1	Cattle/ Dairy		-	-	-	-	-	-
2	Poultry	Kamrupa	-	-	-	-	-	-
	Egg		210	-	1050/-	-	-	-
	Hatching of kamrupa bird in association of college of veterainery Science		200	-	18,000/-	-	-	-

	Poultry meat			142.3 kg	26,653/-	-	-	-
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### D1. SUMMARY of production of livestock during 2016-17

Sl. No.	Livestock category	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient beneficiaries
			Nos	(kg)		General	SC/ST	
1	CATTLE	-	-	-	-	-	-	-
2	SHEEP & GOAT	-	-	-	-	-	-	-
3	POULTRY	Kamrupa	410	142.3 kg	45,703/-	-	-	-
4.	PIGGERY	-	-	-	-	-	-	-
	<b>TOTAL</b>		<b>410</b>	<b>142.3 kg</b>	<b>45,703/-</b>			

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

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

(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.			
2.			
3.			
Book/ Book Chapter	■	■	■
Popular articles			
Technical bulletins			
Extension bulletins			
Newsletter			
Conference/ workshop proceedings			
Leaflets/folders			
e-publications			
Any other (Pl. specify)			
<b>TOTAL</b>			

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: NO**

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

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

**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

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### 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
- ii. No. of farm families selected
- iii. No. of survey/PRA conducted

### 3.12. Activities of Soil and Water Testing

Status of establishment of Lab : Running

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

Sl. No	Name of the Equipment			Qty.	Cost
	S&WT lab	Mini lab/ Mridaparikshak	Manufacturer		
1	Grinder	-	-	1	15,750/-
2	Water distillation set	-	-	1	39280/-
3	Double water distillation apparatus	-	-	1	-
4	Electronic automatic KELPLUS( digestion system)	-	-	1	2,19077/-
5	Accessories of KELPLUS	-	-	1	2,48,484/-
6	Spectro photometer	-	Systemic	1	23,488/-
7	Flame photometer	-	-	1	22490/-
8	Digital PH meter	-	Systemic	1	7384/-





	<b>distributed</b>						
Animal health camp	-	-	2	2000 nos. of animals	-	-	-
Distribution of planting material ( hybrid napier)	-	2	-	-	-	-	-
Fodder distribution	-	1	-	-	-	-	-

#### 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)
Certified seed production of Pulse crop Blackgram var. PU-31	80	60%	27,000/- per ha (As grain)	45,000/- per ha (As certified seed)
Planting material production of turmeric	20	20%	1,27,500/- per ha (As spice)	3,82,500/- per ha (As planting material)
Malbhog Banana	50	70%	-	45,000/- per bigha
Floriculture (Marigold)	30	35%	9,000/- per bigha	20,000/- per bigha

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

##### 4.2. Cases of large scale adoption

Technology Showcasing Programme on Seed Production of Rice, Variety: Ranjit and Toria var. TS-36 were conducted in few villages of Kamrup district of Assam during last 6 years with a view to produce quality seed (Certified seed) in farmers field in large scale block demonstration plots. The main impact of this programme is the increase of per unit income of farmers by selling their produce as certified seeds and horizontal expansion of area by replacing old seeds in the district. The details of seed production under technology showcasing programme is as follows:

Year	Horizontal spread of area (Ha) of Sali paddy var. Ranjit	Horizontal spread of area (Ha) of Toria var. TS-36
2010-11	100.0 ha	50.0 ha



2011-12	2150.0 ha	650.0 ha
2012-13	3210.0 ha	800.0 ha
2013-14	3850.0 ha	1680.0 ha
2014-15	5516.0 ha	1800.0 ha
2015-16	6619.0 ha	2265.0 ha

**(Please furnish detailed information for each case)**

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

### **5.0. LINKAGES ESTABLISHED**

#### **5.1 Functional linkage with different organizations**

<b>Name of organization</b>	<b>Nature of linkage</b>
1. Dept. of Agriculture, Govt of Assam	Farmers selection, extension works, sponsored/collaborative training
2. ATMA	Technical guidance, resource person & field visit
3. Central IPM centre	Resource person
4. State Institute of Rural Development (SIRD)	Sponsored training, resource person & exposure visit
5 Dept. of Veterinary & Animal Husbandry, Govt. of Assam	Resource person, extension work.
6. Base piggery farm, Khanapara, Govt . of Assam	Exposure visit
7. Base poultry farm, Khanapara, Govt . of Assam	Exposure visit, resource person
8. College of Veterinary Sc. , Khanapara	Practical demonstration & resource person
9. College of fishery Sc., Raha, Nagaon	Resource person
10. Dept. o Fishery Sc., Govt of Assam	Farmers selection, resource person
12. Dept. of Sericulture, Govt . of Assam.	Resource person
13. National Horticulture Board	Sponsoring Agency
14. NRC,Pig	Exposure visit
15 Assam State Seed Certification Agency.	Seed
16. National Seed Corporation (NSC), Guwahati	Seed
17 Meteorology Dept.	Meteorological Data

18. State Bank of India	Resource person
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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 2016-17

Name of the scheme	Activity	Date/ Month of initiation	Funding agency	Amount (Rs.)
Agriculture workshop on petroleum conservation	1		petroleum conservation Research Association, Govt of India	4150/-
Cluster FLD on pulse under NFSM( Kharif & Rabi)			ICAR, ARARI-III	2,45,000/-
Pulse seed hub			ICAR, ARARI-III	35,00,000/-
Cluster FLD on oilseed under NMOOP- NFSM			ICAR, ARARI-III	65,297/-
International Agri horti show			AAU, Jorhat	4,00,000/-
NFDB sponsored training			NFDB, Govt. of India	94,000/-
KCC training Level-1 & 2			MANAGE, Hyderabad	46,950/-
PPVFR & FR Act 2001			ATARI-III	80,000/-
21 days Skill development training on Commercial Nursery	1	6/2/17	Missing Autonomous council	1,41,218/-
200 hours Skill development training for <i>Mali</i>	1	28/2/17	Dept. of Horticulture & Food processing , Govt of Assam	8,68,600/-

### 5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

Sl. No.	Programme	Nature of linkage	Remarks

### 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
1	Conducted vocational training on composit fish farming covering 30 beneficiaries		
2	Conducted vocational training on Integrated farming system covering 32 beneficiaries		

## 6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2016-17

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

Sl. No.	Demo Unit	Year of estd.	Area	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1	Goat	2003	-						
2	Cattle	2009	-	-	-	-	-		
3	piggery	2010	-						
4	Poultry	2010	-	Kamrupa	Egg Meat and chicks	210  <b>142.3</b> <b>kg</b> 200		45,703/-	
5	Vermicompost	2010	-	<i>Eisenia foetida &amp; Eudrillus euginae</i>		8	-	53000/-	
6	Mushroom unit	2014	-	Oyster					

### 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	
<b>Cereals</b>									
Rice	20/6/16	23/11/16	2.0	Ranjit	Foundation seed	6.42 t	-	2,11,800/-	Distributed yet only 0.03t F-3
	20/6/16	16/10/16	0.053	Tripura Chiken	Certified seed	0.28t		12,600/-	Distributed yet only 0.05t F-5
	20/6/16	27/11/16	0.04	Black rice	Certified seed	0.05 t		2250/-	Distributed yet only 0.015t F-2
<b>Pulses</b>									
									Distributed yet only 0.29t F-10
Black gram	6/10/16	10/12/16	0.66	Sekhar	Foundation seed	0.32 t		32,000/-	
<b>Oilseeds</b>									
Toria	15/10/16	24/12/16	0.13	TS-36	Foundation seed	0.05 t		3,000/-	Not yet distributed
<b>Spices &amp; Plantation crops</b>									
i. Turmeric	5/4/16	11/11/16	0.20	Megha turmeric-1	Planting material	24 qt		72,000/-	Distributed yet only 14 qt F-20
ii. Arecanut	-	-	-	Kahikuchi	Seedling	500 nos		15,000/-	Distributed yet only 110 nos F-15
<b>Fruits</b>									
i. Banana	-	-	-	Malbhog & jahaji	Suckers	3000 nos	-	60000/-	Distributed yet only 2543 nos F-116

ii.	Assam lemon	-	-	-	Local ( seedless)	Cuttings	75000 nos		1,87,500/-	Distributed yet only 4000 nos F-202
iii.	Tube rose	-	-	-	Prajjal	bulb	50000		1,00,000/-	Distributed yet only 19800 F-10
iv.	Gerbera	-	-	-	Redjem & Redmonarch	Suckers	100		500/-	Distributed 100 nos F-1

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

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1	Bio agent		-	19875/-	Supplied among 44 nos of farmers
	PSB	265.00 kg			
	Azotobacter	67.90kg		5090/-	
	Azospirillum	12.50kg		938/-	
	Rhizobium	245.00kg		18375/-	
2	Bio fertilizer		-		Supplied among 90 nos of farmers
		vermicompost	-	8000/-	
		Earth worm	<i>Eisenia foetida &amp; Eudrillus euginae</i>	45000/-	
3	Bio pesticide				Supplied among 29 nos of farmers
		Bioveer	Trichoderma viride	48750/-	

**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	
	Poultry	Kamrupa	Meat	<b>142.3 kg</b>	-	<b>26,653/-</b>	
			Chickes	200	-	18,000/-	
			Egg	210	-	1050/-	

**6.5 Rainwater Harvesting****Training programmes conducted by using Rainwater Harvesting Demonstration Unit: N0**

Date	Title of the training course	Client (PF/R/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 2016-17**

Accommodation available (No. of beds) :

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

<b>Grand total</b>					
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Note: (Duration of the training course X No. of trainees)=Trainee days



## 7. FINANCIAL PERFORMANCE

### 7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location/ Branch	Account Number
With Host Institute	-	-	-
With KVK	SBI, Airport, Guwahati	SBI, Airport, Guwahati	10229456459
Revolving Fund (For production and income generating schemes)	SBI, Airport, Guwahati	SBI, Airport, Guwahati	31479755967
Revolving Fund (Pulse seed hub)	SBI, Airport, Guwahati	SBI, Airport, Guwahati	36237975041

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

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

### 7.3 Utilization of KVK funds during the year 2016 -17

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
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<b>A. Recurring Contingencies</b>				
1	<b>Pay &amp; Allowances</b>	105.60	96.59	96.59
2	<b>Traveling allowances</b>	3.00	2.12	2.12
3	<b>Contingencies</b>			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	3.60		
B	POL, repair of vehicles, tractor and equipments	14.40		
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			
<b>TOTAL (A)</b>		<b>128.10</b>		
<b>B. Non-Recurring Contingencies</b>				
1	<b>Works</b>			

2	<b>Equipments including SWTL &amp; Furniture</b>	0.30	NIL	NIL
3	<b>Vehicle</b> (Four wheeler/Two wheeler, please specify)	0.50	NIL	NIL
4	<b>Library</b> (Purchase of assets like books & journals)	0.75	-	-
<b>TOTAL (B)</b>		<b>1.55</b>	-	-
<b>C. REVOLVING FUND</b>		NIL	NIL	NIL
<b>GRAND TOTAL (A+B+C)</b>		<b>129.65</b>		

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

Year	Opening balance as on 1 <sup>st</sup> April	Income during the year	Expenditure during the year	Net balance in hand as on 1 <sup>st</sup> April of each year
April 2014 to March 2015	713676.00	921964.00	1076288.00	559352.00
April 2015 to March 2016	559352.00	729055.00	835096.00	453311.00
April 2016 to March 2017	453311.00	1276093.00	612060.00	664033.00

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

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

**A) ACTIVITIES UNDER *MERA GAON MERA GAURAV* PROGRAMME: KVK, Kamrup conducted various activities under *meragaon meragaurav programme*. followings are details about programmes undertaken—**

NOS. OF VILLAGE ADOPTED	NAME OF THE VILLAGES ADOPTED	ACTIVITIES CONDUCTED
6 nos	Dhangargaon, Aliha,	Trainings, Demonstration, Group Discussion, Awareness programme,

	Muktapur, Milanpur, Manikpur, Dhonipara	celebrating "Technology week", Soil Health Cards issued, Conducted FLD, OFT,
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**B) Village adopted for doubling farmers income:**

**8.1 Constraints**

- (a) Administrative: Insufficient quarters
- (b) Financial
- (c) Technical

**(Signature)**  
**Sr. Scientist cum Head**

**PI. take maximum care while filling up the annual report format as per instructions so that no column is left blank. PI. note that any incomplete individual KVK report shall not be considered and will be returned.**