



ANNUAL REPORT 2016-17



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**KRISHI VIGYAN KENDRA ANJAW
ICAR RC FOR NEH REGION, A.P CENTRE BASAR**

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
KVK Anjaw, Hayuliang	Office	FAX	Kvkanjaw.icar@gmail.com
Arunachal Pradesh		0380276489	

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

Address:	Telephone		E mail
ICAR AP Centre, Basar Arunachal Pradesh	Office	FAX	Jdapcentre.icar@gmail.com
	03795226237	03795226296	

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

Name	Telephone / Contact		
Dr. Manish Kanwat	Residence	Mobile	Email
	Ojing Apartment, Hayuliang	9436424845	kanwatmanish@gmail.com

1.4. Year of sanction: 2015

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

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
1	Programme Coordinator	Dr. Manish Kanwat	Sr. Scientist & Head	Agril. Ext	37400-67000+9000	38800	19/10/2015	Permanent	ST
2	Subject Matter Specialist	Mr. Soibam Peter Singh	Subject Matter Specialist	Agril. Econ	15600-39100	21630	12/01/2015	Permanent	Gen
3	Subject Matter Specialist	Mr. Khoisnam Naveen	Subject Matter Specialist	Agronomy	15600-39100	21630	20/01/2015	Permanent	Gen
4	Subject Matter Specialist	Dr. Senpon Ngomle	Subject Matter Specialist	Plant Protection	15600-39100	21630	23/02/2015	Permanent	ST
5	Subject Matter Specialist	Miss Rebecca Eko	Subject Matter Specialist	Horticulture	15600-39100	21630	03/03/2015	Permanent	ST
6	Subject Matter Specialist	Dr. Tilling Tayo	Subject Matter Specialist	Animal Sciences	15600-39100	21630	5/03/2015	Permanent	ST

7	Subject Matter Specialist	Vacant	-	-	-	-	-	-	-
8	Programme Assistant	Vacant	-	-	-	-	-	-	-
9	Computer Programmer	Mr. Keshab Chandra Gogoi	Computer Programmer	MCA	9300 - 34800	9579	31/01/2015	Permanent	General
10	Farm Manager	Vacant	-	-	-	-	-	-	-
11	Accountant / Superintendent	Vacant	-	-	-	-	-	-	-
12	Stenographer	Vacant	-	-	-	-	-	-	-
13	Driver	Vacant	-	-	-	-	-	-	-
14	Driver	Vacant	-	-	-	-	-	-	-
15	Supporting staff	Vacant	-	-	-	-	-	-	-
16	Supporting staff	Vacant	-	-	-	-	-	-	-
	Total	07	-	-	-	-	-	-	-

Note: No column in the table must be left blank

- 1.6. a. Total land with KVK (in ha) : 20
b. Total cultivable land with KVK (in ha): 5
c. Total cultivated land (in ha): 4

S. No.	Item	Area (ha)
1	Under Buildings (Administrative building+ Farmers' Hostel+ Staff Quarters)	1.5
2.	Under Demonstration Units	1
3.	Under Crops (Cereals, pulses, oilseeds etc.)	1
4.	Under vegetables	0.5
5.	Orchard/Agro-forestry	1
6.	Others (specify)	0.5

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	NIL	NIL	NIL	NIL	NIL	NIL
2.	Farmers Hostel		NIL	NIL	NIL	NIL	NIL	NIL

3.	Staff Quarters (6)		NIL	NIL	NIL	NIL	NIL	NIL
4.	Demonstration Units (2)		NIL	NIL	NIL	NIL	NIL	NIL
5	Fencing		NIL	NIL	NIL	NIL	NIL	NIL

B) Vehicles

Type of vehicle	Regd. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero	ML-10B 4102	2016	848126	8900	Running

C) Equipment's & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Xerox machine	2015	157000	Not working
Printer	2015-16	11800	Working
UPS	2015-16	24000	Working
Projector	2015-16	100000	Working
Computer	2015-16	498000	Working
Invertor	2016	35000	Working
Almirah	2017	56000	Working
Furniture	2017	325090	Working
Bookshelf	2017	30000	Working
Power tiller	2017	368000	Working
GPS	2016	12000	Working

Computer

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.	16/03/2017	1. Smt. M. Riba, Chairman & Deputy Commissioner Anjaw 2. Dr. Manish Kanwat, Sr. Scientist and Head, KVK Anjaw 3. Dr. Tojum Ete, Chief Guest & ADC Incharge (CO Hayuliang) 4. Mr. Aniyang Ratan, Guest of Honour & CO Chaglagam-Metengliang Circle 5. Mr. N. Longri, DFDO, Hawaii 6. Mr. T.T. Hai, HDO, Hawaii 7. Mr. Nakur Saikai, Branch Manager, SBI, Hayuliang	➤ Strengthening line department, KVK and other organizations to strength the farmers mindset by providing technical brainstorming and motivation so as to run their own enterprise and sustain livelihood. ➤ Coverage of more nos. of villages like Paya, Glatonglat, Chingwinty as model villages for showcasing the latest technology as well as promotion of resources	➤ OFT taken up under pulses crops viz, green gram, soybean, field peas etc. ➤ Nutritional Garden taken up as OFT at VKV, Amliang village. ➤ Organizing 5 nos. Animal Health Camp at different villages ➤ Conducting 2 nos. of PRA at Nilang and Metengliang ➤ Virus indexing of

	8. Dr. N. Nyodu, DVO, Anjaw 9. Mr. Khuweso Tamai, Progressive farmer 10. Mr. Sonem Tayang, Progressive farmer 11. Mr. Noning Pul, Progressive farmer 12. Karnia Basar, Progressive farmer 13. Mr. Soibam Peter Singh, SMS Social Science, KVK Anjaw 14. Mr. Khoisnam Naveen, SMS Agronomy, KVK Anjaw 15. Dr. Senpon Ngomle, SMS Protection, KVK Anjaw 16. Ms. Rebecca Eko, SMS Horticulture, KVK Anjaw 17. Dr. Tilling Tayo, SMS Animal Science, KVK Anjaw 18. Mr. Keshab Chandra Gogoi, Computer Programmer, KVK Anjaw	and other activities. ➤ Promotion of floriculture in the district and develop the district as the export hub of cut-flower in the coming years. ➤ Activities should be taken up to minimize the inbreeding depression in the district. ➤ Expansion of more area under pulses crops. ➤ Provision of employment among the farm women and rural youths through opening of Farmers Club and SHG ➤ Horizontal expansion of oyster mushroom cultivation in the district.	viral diseases Foorkey in L. Cardamom
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**Proceedings of Scientific Advisory Committee Meeting
KVK Anjaw, Metengliang
Date 15th March 2017**

The following members were present during the meetings

1. Smt. M. Riba, Chairwoman & Deputy Commissioner Anjaw
2. Dr. Manish Kanwat, Sr. Scientist and Head, KVK Anjaw
3. Dr. Toijum Ete, Chief Guest & ADC Incharge (CO Hayuliang)
4. Mr. Aniyang Ratan, Guest of Honour & CO Chaglagam-Metenglaing Circle
5. Mr. N. Longri, DFDO, Hawaii
6. Mr. T.T. Hai, HDO, Hawaii
7. Mr. Nakur Saikai, Branch Manager, SBI Hayulaing
8. Dr. N. Nyodu, DVO, Anjaw
9. Mr. Khuweso Tamai, Progressive farmer
10. Mr. Sonem Tayang, Progressive farmer
11. Mr. Noning Pul, Progressive farmer
12. Karnia Basar, Progressive farmer
13. Mr. Soibam Peter Singh, SMS Social Science, KVK Anjaw
14. Mr. Khoisnam Naveen, SMS Agronomy, KVK Anjaw
15. Dr. Senpon Ngomle, SMS Protection, KVK Anjaw
16. Ms. Rebecca Eko, SMS Horticulture, KVK Anjaw
17. Dr. Tilling Tayo, SMS Animal Science, KVK Anjaw
18. Mr. Keshab Chandra Gogoi, Computer Programmer, KVK Anjaw

The Scientific Advisory Committee Meeting was held on 15th March, 2017 at Hayuliang, Arunachal Pradesh. The meeting was held under the Chairmanship of Deputy Commissioner Anjaw district and attended by ADC In-charge, CO Hayuliang, CO Chaglagam, DVO, HDO, DFDO and Branch Manager, SBI Hayuliang. The meeting started with welcome address by Dr. Manish Kanwat, Sr. Scientist & Head, KVK, Anjaw. He highlighted the activities and progress of works undertaken by KVK Anjaw during the last year 2016-17. In this continuation, he also briefed that KVK Anjaw has established the cybernetic cell for the welfare of farming community and also briefed out the importance of horticulture based farming System for sustainable livelihood. In this connection, he also for emphasized to establishing the nursery for necessary quality planting materials to supply to the farmer to combat viral disease infestation in district.

Smt. M. Riba, Hon'ble Deputy Commissioner, Anjaw host the occasion as the chairman. She praised KVK activities which is being performed by the team of KVK Anjaw. She also emphasized that it is high time that all the line departments should work in convergence mode with the KVK for bringing betterment of the farming community. She also urged to all the line department to strength the people mindset by providing technical brainstorming and motivation so as to run their own enterprise and sustain livelihood. She asked the KVK and line departments to select some of the villages like Paya, Glatonglat, Chingwinty as model villages for showcasing the latest technology as well as promotion of resources and other activities. Moreover she also advocated the KVK and line department to promote the flower cultivation in the district and develop the district as the export hub of cut-flower in the coming years. Thereafter, respective SMSs of different streams of KVK presented their achievements and actions plan. Afterwards an interaction session was held for incorporating extra suggestion in the action plan. The meeting was concluded with the vote thanks from Soibam Peter Singh, SMS (Social Science)

Sl.no	Suggestion	Recommended by	Action to be taken by
1.	To study how and where large cardamom originated initially in Anjaw District	DC, Anjaw	SMS, Social Sciences
2.	Construction of water Tank, Jalkund and Diesel operated Generator at Barfu	DC, Anjaw	ADC
3.	Digging of ponds at Barfu by MNREGA	DC Anjaw	ADC and State Depart.
4.	Intervention for Price regulation and e-commerce for checking distress sale/APMC Board	DC, Anjaw	DAO & PC
5.	Promotion and encouragement of Bee keeping	DC Anjaw	SMS Plant Protection
6.	Training on guidelines of price regulation to APMC Board members	DC Anjaw	SMS Social Science.
7.	Comparative study of the survey conducted by BDO and KVK	DC Anjaw and PC KVK	SMS Social Science.
8.	To explore the options of grading and processing unit in Anjaw District	DC Anjaw	DHO, DAO
9.	Training of Farmers and FPO	DC Anjaw	SMS Science
10.	Collection of edible and local Mushroom for establishing Mushroom museum at KVK	PC KVK	SMS PP
11.	Establishing contacts with supplying firms for easy transportation of KVK items along with State Depart. from Tezu	DC Anjaw	PC KVK
12.	Use of deep freezer at Tezu for KVK medicines	DC Anjaw/DVO	SMS Animal Science.
13.	Imparting trainings about mulching and Soil moisture conservation practices	DC Anjaw	SMS Agronomy.
14.	Establishing of Piggery/Poultry unit	DC Anjaw	SMS Animal Science.

	through SHG and cooperative approach		
15.	Micro chipping of Mithun	DC Anjaw	SMS Animal Science.
16.	Training of extension functionaries for imparting para medics activity at village level	DC Anjaw, PC KVK	SMS Animal Science.
17.	Convergence with DAO for ATMA related Training and activities	DC Anjaw	PC KVK
18.	Collaboration with State Departments for Vaccination and Animal Health Camp	DC Anjaw , PC KVK	SMS Animal Science.
19.	Prohibitory Order for containment of disease outbreaks for summer and Winter	DC Anjaw	State Administration
20.	Involvement of Gram Shaba members for digging of ponds through MNREGA	DC Anjaw	State Administration
21.	Organizing food festivals for creating awareness, importance and popularizing different crop and food items of Anjaw District	DC Anjaw	PC KVK
22.	Heavy introduction of floriculture for	DC Anjaw	SMS Horticulture

2. DETAILS OF DISTRICT

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

Sl. No	Farming system/enterprises
1.	WRC/ TRC Paddy
2.	Millet (Finger millet, foxtail, kodo etc)
3.	Potato
4.	Pulses
5.	Vegetables

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

Sl. No	Agro-climatic Zone	Characteristics
1.	1	Sub-tropical to Temperate

2.3 Soil type/s

Sl. No	Soil type	Characteristics	Area in ha
1.	4	Sandy coarse loamy black soil	115500.00
2.		Sandy Fine loamy black soil	126000.00
3.		Black loamy soil	242500.00
4.		Black loamy fine soil	135000.00

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

Crop	Total Area	Total Production	Yield
Rice	122740	134807	10.98
Maize	35637	48346	13.56
Millet	19800	17123	8.64
Wheat	3896	5096	13.00

Pulses	6554	6634	10.12
Total food crops	188627	211979	11.23
Potato	4960	32434	65.39
Ginger	4399	34890	79.31
Oil seeds	27748	27228	9.81
Turmeric	404	1473	36.45
Chilli	1499	1696	11.31
Sugarcane	809	16219	20.04
Seasonal vegetables	12811	37060	20.04
Total commercial crops	52630	151000	28.69

SL. No.	Horticulture crops – Fruits	Area ('000 ha)		
		Total	Irrigated	Rainfed
1.	Orange	334.4	-	334.4
2.	Kiwi	17.0	-	17.0
3.	Apple	14.7	-	14.7
4.	Banana	5.7	-	5.7
5.	Guava	2.7	-	2.7
6.	Pineapple	2.0	-	2.0
7.	Pear	1.4	-	1.4
8.	Walnut	0.4	-	0.4
Others (specify)				
	Horticulture crops – Vegetables /spices	Total	Irrigated	Rainfed
1	Large cardamom	2300.0	-	2300.0
2	Bitter gourd	38	-	38
3	Pumpkin	10.1	-	10.1
4	Radish	8.3	-	8.3
5	Beans	8.0	-	8.0
6	Sweet potato	7.4	-	7.4
7	Potato	7.2	-	7.2
8	Chillies	5.4	-	5.4
9	Ginger	5.4	-	5.4
10	Tomato	4.5	-	4.5
11	Musk melon	3.1	-	3.1
12	Cucumber	2.7	-	2.7
13	Brinjal	2.5	-	2.5

2.5. Weather data

Month	Minimum Temperature (°C)	Maximum Temperature (°C)	Relative Humidity (%)
J	10	28	62
F	12	30	63
M	22	32	90
A	25	33	72

M	18	38.5	86
J	26.7	40.5	77
J	26.4	31.9	90
A	26.6	30.8	88
S	26.3	32.8	78
O	23.5	29.6	70
N	18.3	25.6	68
D	19	16	68

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	-		
<i>Indigenous</i>	5747	Nil	Nil
Buffalo	Nil	Nil	Nil
Sheep			
<i>Crossbred</i>	Nil		
<i>Indigenous</i>	Nil		
Goats	5745	Nil	Nil
Pigs			
<i>Crossbred</i>			
<i>Indigenous</i>	15211	Nil	Nil
Rabbits			
Poultry			
Hens	-		
<i>Desi</i>	35969	Nil	Nil
<i>Improved</i>	-		
Ducks	83	Nil	Nil
Turkey and others	-		

Category	Area	Production	Productivity
Fish	Nil	Nil	Nil
<i>Marine</i>	Nil	Nil	Nil
<i>Inland</i>	Nil	Nil	Nil
Prawn	Nil	Nil	Nil
Scampi	Nil	Nil	Nil
Shrimp	Nil	Nil	Nil

Note: Pl. provide the appropriate Unit against each enterprise

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	ADC, Hayuliang	Hayuliang	Tafraliang	Vegetables & oranges	<ol style="list-style-type: none"> 1. Incidence of trunk borer, citrus declination 2. Very low productivity of vegetables 3. Diarrhea and skin diseases and hernia, eye infection, tick infestation of pigs 	<ol style="list-style-type: none"> 1. Integrated pest and Diseases Mgt. 2. Health Management of pigs
2	Circle Officer, Goiliang	Goiliang	Nilang	L. Cardamom & vegetables	<ol style="list-style-type: none"> 1 Incidence of viral diseases and red ants in L. Cardamom 2 Low productivity of vegetables 	<ol style="list-style-type: none"> 1. Integrated pest and Diseases Mgt. 2. Integrated Farming System
3	ADC, Hayuliang	Hayuliang	Kongra	Maize pulses & vegetables, ginger oranges	<ol style="list-style-type: none"> 1. Incidence of trunk borer, citrus declination 2. Low productivity of vegetables 3. Diarrhea and skin diseases and hernia, eye infection, tick infestation of pigs 	<ol style="list-style-type: none"> 1. Integrated pest and Diseases Mgt. 2. Integrated Farming System 3. Health Management of pigs
4	ADC, Hayuliang	Hayuliang	Barfu	L. Cardamom	<ol style="list-style-type: none"> 1. Incidence of blight diseases 2. viral diseases in L. Cardamom 3. Diarrhea and skin diseases 	<ol style="list-style-type: none"> 1. Integrated pest and Diseases Mgt. 2. Health Management of pigs
5	ADC, Hayuliang	Hayuliang	Supliang	Oranges, pineapple	<ol style="list-style-type: none"> 1. Incidence of trunk borer in oranges 2. Skin diseases 	<ol style="list-style-type: none"> 1. Integrated pest and Diseases Mgt. Health Management of pigs

6	ADC, Hayuliang	Hayuliang	Paya	L. Cardamom & vegetables	1. Incidence of viral diseases and red ants in L. Cardamom 2. low productivity of vegetables	1. Integrated pest and Diseases Mgt. 2. Integrated Farming System
7	ADC, Hayuliang	Yatong	Manchal	L. Cardamom & Oranges	1. Diarrhea and skin diseases 2. Incidence of trunk borer 3. Citrus declination 4. Incidence of viral diseases in L. Cardamom	1. Health Mgt. 2. Integrated pest and Diseases Mgt.
8	DC, Hawaii	Hawaii	Ngi	Kiwi, Oranges and L. Cardamom	1. Incidence of trunk borer in oranges 2. Viral diseases in L. Cardamom 3. Skin diseases	1. Integrated pest and Diseases Mgt. 2. Health Mgt.
9	Circle Officer, Chaglagam	Metengliang	Metengliang	Pulses and L. Cardamom	1. Viral diseases in L. Cardamom	1. Integrated pest and Diseases Mgt.
10	ADC, Hayuliang	Hayuliang	Chipru	Oranges and L. Cardamom	1. Incidence of trunk borer 2. Citrus declination 3. Incidence of viral diseases in L. Cardamom	1. Integrated pest and Diseases Mgt.

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	02	02	10	10	06	06	12	12
Animal Sciences	03	03	15	15	02	02	60	63
Horticulture	02	Ongoing	05	05	01	01	20	35
P. Protection	02	02	02	02	01	01	20	25
Social Sciences	01	01	60	69	01	Ongoing	100	-

Total	10	8	92	101	11	10	212	135
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Note: Target set during last Annual Zonal Workshop

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	22	49	640	1579	482	553	840	861
Rural youth	15	25	490	1002				
Extn. Functionaries	08	09	205	233				
Total	45	83	1335	2814	482	553	840	861
Seed Production (ton.)			Planting material (Nos. in lakh)					
5			6					
Target	Achievement	Target	Achievement					
		0.03 (vegetables)	0.034 (Cabbage- 0.017, Broccoli – 0.017, King chilly- 0.0085)					

Note: Target set during last Annual Zonal Workshop

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

Sl. No.	Thrust area	Crop/ Enterprise	Identified problems	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Popularization of cold water fishes and Integrated Fish Farming	Fish	Less scope and lack of knowledge regarding the cold water fish rearing			Cold Water Fish Culture: An Innovative Approach for Sustainable Development in Hill Area of Anjaw District, Arunachal Pradesh			Distribution of Khurpi and hand hoe

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	Introduction of RCM-76 for higher production	Low production due to use of local variety	Plant ht-205 cm Grains weight /cob -145.3g No. of Grains/cobs -351 Yield -30.75 q/ha	Maize	05	Yield- 0.030.75 q/ha	Satisfied with the variety and more expansion of	Coverage of more nos. of farmers	2.29:1
2	Introduction of Vivek Matar-10 for higher production	Low production due to use of local variety	Plant ht- 60.6 cm Pod Length:7.2 cm No. of pods/ plant:7	Field Pea	05	Yield- 0.040 Kg	Satisfied with the variety and more expansion of	Coverage of more nos. of farmers	2.4:1
3	Breed introduction of Yorkshire, pig.	1. Low body weight gain (40 – 50 kg) 2.High feed conversion ration (5:1) 3. Low letter size (5-6)	Mortality (5-10 %) litter size (6-8) birth weight (450-700gm) weight at sexual maturity (80-90Kg)	Piggery	03	Net return Rs. 20,000	Not suitable for rearing of the breed in the location	-	1.8:1
4	Breed introduction of Gunguroo pig.	Low body weight gain (35 – 40 kg) 2.High feed conversion	Adaptability Mortality (5-10 %) litter size (8-10) birth weight (350-600gm) weight at sexual maturity (60-80Kg)	Piggery	02	Ongoing	-	-	-

		ratio (5:1) 3. Low letter size (5-6)							
5	Breed introduction of Vanaraja birds	1. Low body weight (1–1.5 kg) 2. Low egg production (50-60 No./year)	1. Adaptability 2. Mortality (5-10 %) 3. Egg weight (45-58 gm.) 4. weight at sexual maturity (2-2.5Kg) 5. Egg production (110-130 No./year)	Poultry	09	Rs. 490/bird	Suitable with the variety of chick and expressed for conversion into commercial farming	-	1.6:1
5	Salt and Mineral licking Block for Mithun & Cattle	1. Salt hunger 2. No proper plate form Feeding structure 3. Difficult to track the Mithun and cattle	1. Acceptability of farmers 2. Numbers of Mithun and cattle turn over to lick. 3. Aid in drudgery reduction in tracking Mithun and cattle 4. Easy asses for monitoring mithun and cattle health 5. Ecotourism purpose	Mithun	01	Ongoing	Satisfied over the technology for drudgery reduction among the owner of Mithun	-	-

6	Assessment on suitability of low chilling Grafted Apple cv. Mollies Delicious.	Low yield and lack of suitable low chilling and high yielding apple variety	1. No. of Flowers/tree 2. No. of fruits/tree 3. Average Yield 4. B:C ratio	Apple	03	Ongoing	-	-	-
7	Assessment on suitability of Kiwi fruit var. Allison	Unawareness of kiwi cultivation	5. No. of Flowers/tree 6. No. of fruits/tree 7. Average Yield 8. B:C ratio	Kiwi	02	Ongoing	-	-	-
8	Control of Citrus trunk borer	Severe infestation of Citrus Trunk Borer	1.Total Plants treated 2. Total Plants recovered. 3. Percentage of recovery.	Citrus	02	86.67% recovery in recommended practice.	Satisfied over the method of controlling the pest	-	-
9	Impact Assessment of SHG and FC	Very low market price	1. Crop- Ginger 2. Q. produced 3. Area -1 acre 4. Selling price 5. Gross income 6. Total Cost	Vegetables and ginger	03	Av. Yield- 550 kg	More intervention from the KVK such as provision of seeds and other inputs		2.67

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

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

3.2 Achievements of Frontline Demonstrations during 2016-17

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

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

Sl. No	Crop/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
1	Soybean	01/ yield enhancement (JS-335)	01	05	2.5
2	Green gram	01/ yield enhancement (Pratap)	01	05	2.5
3	Piggery & Goatery	01/Deworming & mineral supplement	06	28	--
4	Poultry	01/Vaccination	04	35	--
5	Cabbage, Cauliflower, broccoli	Nutritional garden for Residential schools.	01	50	0.25
6	Oyster Mushroom	01/Alternative source of income generation	05	25	5 units
7	L. Cardamom	Establishment of marketing linkages	20	100	25

* *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.	So	Varietal	JS-335	Rabi	0.25	0.25	05		05	--	Rainfed	-	-	-

	ye ean	evaluatio n		season, 2016										
2.	Gr een Gr am	Varietal evalu ation	Var- Pratap	Rabi season, 2016	0.25	0.25	05		05		Rainfed			
3.	Ve get abl es	Nutrit ional garden for Resid ential schools	Cabbage (Golden acre) Broccoli (Italian green)	Rabi season, 2016	0.5	0.5	130		130		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		Data on parameters other than yield, e.g., disease incidence, pest		Econ. of demo. (Rs./ha.)				Econ. of check (Rs./Ha.)			
				Demo.	Check		H*	L*			GC**	GR**	NR**	BCR**	GC	GR	NR	BCR
									Demo	Local								
1	Soybean	Varietal evaluation	2.5	18.70	11.25	44.35	18.70	14.50	Plant ht-61.6cm No. of branch	Plant ht-57.8cm No. of Branch	31900	81200	49300	2.54:1	--	--	--	--

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

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

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

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

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

d. Extension and Training activities under FLD on Crops

Sl. No.	Activity	No. of activities organized	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days	NIL	NIL	NIL	NIL	NIL	NIL
2	Farmers Training	NIL	NIL	NIL	NIL	NIL	NIL
3	Media coverage	NIL	NIL	NIL	NIL	NIL	NIL
4	Training for extension functionaries	NIL	NIL	NIL	NIL	NIL	NIL
5	Any other (Pl. specify)	NIL	NIL	NIL	NIL	NIL	NIL
	Total	NIL	NIL	NIL	NIL	NIL	NIL

e. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	No. of farmers	Area (ha)	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
Maize Sheller	Maize	50	2.5	Drudgery reduction	Shelling capacity 15-20 kg/hr	Shelling capacity 5 -7kg/hr	About 35-40% of the labour are reduced	--

* *Field efficiency, labour saving etc.*

(ii) Livestock Enterprises

Sl. No.	Enterprise/ Category (e.g., Dairy, Poultry etc.)	Thematic area	Name of Technology	No. of farmers	No. of units	No. of animals, poultry birds etc.	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
							Demo	Check		GC **	GR **	NR **	BCR **	GC	GR	NR	BCR			
																		Demo	Check	
1	Pigs and Goats	Reduction of parasite	Parasitic count	28	-	103	1. Faecal egg count 2. Stunted growth. 3. Granting of teeth. 4. Pot belly appearance of stomach.		82%											Twice a year deworming is very important in piggery & Goatery production
2	Poultry	Morbidity & Mortality due to viral disease	Vaccination	35	-	350	Infested with parasite egg		82%											Twice a year deworming is very important in piggery & Goatery production

** 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 matic 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			
																		Demo	Check	

	fish etc.														**					
1	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
2	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

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

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

(iv) Other enterprises

Sl. No.	Category/ Enterprise, e.g., mushroom, vermicompost, apiculture etc.	Thematic area	Name of Technology	No. of farmers	No. of units	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks	
						Demo	Check		Demo	Check	GC**	GR**	NR**	BCR*	GC	GR	NR	BCR		
1	Mushroom	Income generation	Oyster mushroom	25	5	1.55	1.25	24			6500	23250	16750	2.571.45						

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

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

(v) Farm Implements and Machinery

Sl. No.	Name of implement	Crop	Name of Technology demonstrated	No. of farmers	Area (In ha.)	Field observation (Output/ man-hours)		% change in the parameter	Labour reduction (Man days)	Cost reduction (Rs. per ha. or Rs. per unit etc.)	Remarks
						Demo	Check				
1	Maize Sheller	Maize	Drudgery reduction	50	--	Shelling capacity 15-20 kg/hr	Shelling capacity 5 -7kg/hr	Approx. 35-40% of the labour are reduced			

f. Performance of FLD on Crop Hybrids

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

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

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

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

3.3. Achievements on Training

Freshwater prawn culture																							
Shrimp farming																							
Pearl culture																							
Cold water fisheries		1	1						25		8		33		25		8		33			33	
Fish harvest and processing technology																							
Fry and fingerling rearing																							
Small scale processing																							
Post-Harvest Technology																							
Tailoring and Stitching																							
Rural Crafts																							
TOTAL																							

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

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

Thematic area	No. of Courses/ prog.			Participants																	Grand Total					
	Off	Sp Off *	Total	General						SC/ST						Total										
				Male		Female		Total		Male		Female		Total		Male		Female		Total						
				Of f	Sp Off *	Of f	Sp Off *	Off	Sp Off *	Of f	Sp Off *	Of f	Sp Off *	Off	Sp Off*	Off	Sp Off *	Off	Sp Off*	Of f		Sp Off *				
Productivity enhancement in field crops																										
Integrated Pest Management																										
Integrated Nutrient management																										
Rejuvenation of old orchards																										
Protected cultivation technology																										
Formation and Management of SHGs																										
Group Dynamics and farmers organization	1	1							18		07		25		18			07		25						33

Fisheries	Integrated Fish Farming	Integrated Fish Based Farming System Development in Hill Area	25 to 29 th March, 2017	5	ZPC Office, Hayulian g	22- farmers 8- Rural Youths				14	16	30			30

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

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
Agronomy Horticulture	Sustainable income generation	1.Cultivation of sweet corn maize variety 2.Post harvest & value addition of horticulture crops 3.Broiler farming	30 th June to 1 st July	2	Community Hall, Tafralia ng	58				31	27	58			58

		for sustainable income generation																
--	--	-----------------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date (From – To)	Duration (days)	Area of training	Training title*	No. of Participants									Impact of training in terms of Self employment after training				Whether Sponsored by external funding agencies (Please Specify with amount of fund in Rs.)	
					General			SC/ST			Total			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						

*training title should specify the major technology /skill transferred

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

On/ Off/ Vocational	Beneficiary group (F/ FW/ RY/ EP)	Date (From- To)	Duration (days)	Discipline	Area of training	Title	No. of Participants									Spon- sor ing Age ncy	Amount of fund receiv- ed (Rs.)
							General			SC/ST			Total				
							M	F	T	M	F	T	M	F	T		
Total																	

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

Sl. No.	Extension Activity	Topic	Date and duration	No. of activities	Participants											
					General (1)			SC/ST (2)			Extension Officials (3)			Grand Total (1+2)		
					M	F	T	M	F	T	M	F	T	M	F	T
1.	Advisory services			158				110	107	217				110	107	217
2.	Diagnostic visit			38				28	14	42				28	14	42
3.	Field day			-				-						-		
4.	Group Discussion			32				88	33	121				88	33	121
5.	Kishan Gosthi			-												
	Kishan Mela			2				270	103	373				270	103	373
6.	Film show			-												
7.	SHG formation			3				-	43	43				-	43	43

8.	Exhibition			4				175	120	295				175	120	295
9.	Scientists visit to farmers fields			145				198	108	306				198	108	306
10.	Plant/ Animal Health camp			5				98	56	154				98	56	154
11.	Farm science club			-												
12.	Ex-trainee Sammelan			-												
13.	Farmers seminar/ workshop			-												
14.	Method demonstration			8				71	47	118				71	47	118
15.	Celebration of important days			7				Mass	Mass	Mass				Mass	Mass	Mass
16.	Exposure visits			1				14	6	20				14	6	20
17.	Electronic media (CD/DVD)			-												
18.	Extension literature			10				Mass	Mass	Mass				Mass	Mass	Mass
19.	Newspaper coverage			65				Mass	Mass	Mass				Mass	Mass	Mass
20.	Popular articles			-												
21.	Radio talk			-												
22.	TV talk			-												
23.	Training manual			1				Mass	Mass	Mass				Mass	Mass	Mass
24.	Soil health camp							40	32	72				40	32	72
25.	Awareness camp			6				146	130	276				146	130	276
26.	Lecture delivered as resource person			26				146	93	239				146	93	239
27.	PRA			1				8	6	14				8	6	14
28.	Farmer-Scientist interaction			2				92	42	134				92	42	134

VEGETABLES							
FLOWER CROPS							
OTHERS (Specify)							

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

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Number of recipient/ beneficiaries		
				General	SC/ST	Total
1	CEREALS					
2	OILSEEDS					
3	PULSES					
4	VEGETABLES					
5	FLOWER CROPS					

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

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

Sl. No.	Major group/class	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
				General	SC/ST	Total
1	Fruits					
2	Spices					
3	Ornamental Plants					
4	VEGETABLES (Cabbage Broccoli King Chilly)	3485	17850		205	205
5	Forest Spp.					

3	POULTRY	NIL	NIL	NIL	NIL	NIL	NIL	NIL
4.	PIGGERY	NIL	NIL	NIL	NIL	NIL	NIL	NIL
5	FISHERIES	NIL	NIL	NIL	NIL	NIL	NIL	NIL
6	OTHERS (Pl. specify)	NIL	NIL	NIL	NIL	NIL	NIL	NIL
	TOTAL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

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	01 (Training manual on backyard poultry production under TSP for Livelihood improvement of Tribal society. (F.NO.RC/PME/PUB/2016-17/129)	Tilling Tayo Manish Kanwat R. Bhagawati S.V.Ngachan Doni Jini	200
Technical Report			

1.	Spaying in Dog in ICAR Kiran website	Tilling Tayo	-
2.	Congenital bilateral blind eye in sow (Pig) in ICAR Kiran website	Tilling Tayo	-
3.	Castration in Dog, in ICAR Kiran website	Tilling Tayo	-
4.	Maggot wound dressing in Mithun, in ICAR Kiran website	Tilling Tayo	-
5.	Survey on rain water harvesting structure at Barfu	S. Peter Singh	-
6.	Virus eradication campaign on Large cardamom	Senpon Ngomle	-
Book/ Book Chapter			
Popular articles			
Technical bulletins			
Extension bulletins			
Newsletter	KVK, Newsletter 2016-17	Dr. S.V. Ngachan Dr. B.C. Deka Dr. R. Bhagawati Manish Kanwat S. Peter Singh Rebecca Eko Khoisnam Naveen Senpon Ngomle Tilling Tayo P. Mahanta K. Ch. Gogoi	

Conference/ workshop proceedings	(02) 1. Pikey, a unique traditional food of Apatani tribes of Arunachal Pradesh of eastern Himalayan region, India. In souvenir of “Indigenous farming and Traditional foods of North East” from 25-27th February 2017, at ICAR, Barapani. 2. Some traditional food and beverages of the Galo tribe of West Siang district of Arunachal Pradesh.	Tilling Tayo Manish Kanwat Rebecca Eko Senpon Ngomle S. Peter Singh Naveen Khoisnam	1. 200 2. 200
Leaflets/folders	(03) 1. Scientific Back Yard Poultry Farming , A Profitable Venture for Tribal Farmers 2. Scientific pig farming in Anjaw District 3. Oyster Mushroom Cultivation in Mishmi local dialects i.e Takyuing Kaliyo Baya	Manish Kanwat Manish Kanwat Senpon Ngomle	200 200 50
e-publications			
Any other (Pl. specify)			
TOTAL	14		

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

(C) Details of Electronic Media Produced

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

	Cassette)		
1	NIL	NIL	NIL

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
1	Mithun	Salt Licking Block	Drudgery reduction

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

- Identification of courses for farmers/farm women

Promotion and expansion for vegetables farming, mushroom cultivation and other skill development activities for generation of income among the SHGs

- Rural Youth

1. Formation of Farmers Club and promotion to FPOs for development of marketing linkages for disposal of agriculture produces.

- Extension personnel

1. Dissemination of latest developed technology and other need based technology for capacity building among the farmers and rural youths

3.11 Field activities

i. Number of villages adopted: 3

ii. No. of farm families selected: 12

iii. No. of survey/PRA conducted: 3

3.12. Activities of Soil and Water Testing

1. Status of establishment of Lab : No
1. Year of establishment : No
2. List of equipment's purchased with amount : No

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

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

Details	No. of Samples analyzed	No. of Farmers	No. of Villages	Amount (In Rupees) realized
Soil Samples	25	277	163	1800
Water Samples				
Plant Samples				
Petiole Samples				
Total	25	277	163	1800

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

- a. No. of SHCs prepared: 277
- b. No. of farmers to whom SHCs were distributed: 277
- c. Name of the Major and Minor nutrients analyzed: Major (Calcium, Magnesium, Sulphur), Minor (N, P, K)
- d. No. of villages covered: 163
- e. Soil health card based nutrient management in different crops (pl. submit in brief in separate page)

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

Message type	Crop		Livestock		Weather		Marketing		Awareness		Other Ent.		Total	
	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary
Text only														
Voice only														
Voice and Text both														
Total														

3.14 Contingency planning for 2016-17

a. Crop based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Proposed Measure	Proposed Area (In ha.) to be covered	Number of beneficiaries proposed to be covered		
			General	SC/ST	Total
Drought	Introduction of new variety or crop				
	<ul style="list-style-type: none"> ▪ Short duration crops/varieties like RCM-1-75, RCM-1-76 ▪ Conservation of pre-monsoon soil moisture through soil/straw/grass mulching practices ▪ Maize + groundnut/soya bean/rice bean inter cropping. ▪ Hydro priming/ seed soaking in water for 24hr and followed by shade drying before sowing. Application of organic manure before sowing. 	5.00		20.00	20.00

	Introduction of Resource Conservation Technologies				
	▪ Planning for zero tillage cultivation of pea, toria etc.	3.00		15.00	15.00
	Any other (Please specify)				

a. Livestock based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Number of birds/ animals to be distributed	No. of programmes to be undertaken	No. of camps to be organized	Proposed number of animals/ birds to be covered through camps	Number of beneficiaries proposed to be covered		
					General	SC/ST	Total
Drought	200 animals	12	10	300		300	300

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)

Preparation of squash, Jam and Jelly	11	90	480	800
--------------------------------------	----	----	-----	-----

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

4.2. Cases of large scale adoption

Till now no large scale adoption has been undertaken.

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

5.0. LINKAGES ESTABLISHED

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
ICAR RC for NEH Region Umiam	Planting/seed material and get the technical backstopping from the HQ end
ICAR RC for NEH Region AP Centre, Basar	Planting/seed material and get the technical backstopping from the HQ end
National Research Centre for Banana, Tiruchirapalli	Providing the financial support and planting material for conducting the demonstrations at farmers' field.
Department of Agriculture, Anjaw, Govt. of A.P	Sponsored cum collaborative programme
Deptt of Veterinary & Animal Husbandry. Govt. of A.P	Sponsored cum collaborative programme
General Administration	Logistic support
NABARD	Financial Assistance
NABCONs	Financial Support
College of Horticultural & Forestry	Technical backstopping
CDPO, Hayuliang	Sponsored cum collaborative programme
Spices Board, Namsai	Sponsored cum collaborative programme

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.)
BADP	Distribution of Goat, Pig and Poultry	February, 2017	BADP, Govt. of Arunachal Pradesh	50,00,000
BADP	Distribution of L. Cardamom saplings, oranges, Kiwi	February, 2017	BADP, Govt. of Arunachal Pradesh	20,00,000

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district : Yes

Sl. No.	Programme	Nature of linkage	Remarks
1	Exposure Visit	Sponsored cum collaborative programme	Conducted on 17 th to 22 nd October, 2016 at ICAR Umiam, Meghalaya
2	Farmers Scientist Interaction	Sponsored cum collaborative programme	Conducted at Walong and Hayuliang during October, 2016
3	Training	Sponsored cum collaborative programme	--

5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any
1	NIL	NIL	NIL

2	NIL	NIL	NIL
---	-----	-----	-----

5.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks
1	Trainings	Sponsored and technical backstopping	--

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	Green Gram	2015	0.25 ha	Pratap	--	15 Kg	3000	4500 (if sold)	Seeds are not sold but kept for next year sowing
2	Jalkund	2016	1	--	--	30000	4500	--	--
3	Vermicompost	2016	2 unit	Eisinia foetida	--	20 Kg	7000	3600	--
4	Mushroom	2016	1 unit	Oyster Mushroom	--	25 Kg	6000	750	--

Arhar									
Lentil									
Peas	29 th October, 2016			Vivek Matar			400		Due to no fencing all the crops are being eaten by pigs and mithun
Any other									
Oilseeds									
Mustard									
Soy bean	June			JS-35			500		Due to no fencing all the crops are being eaten by pigs and mithun
Groundnut									
Any other									
Fibers									
i.									
ii.									
Spices & Plantation crops									
i.									
ii.									
Floriculture									
i.									
ii.									
Fruits									
i.	Kiwi			Allison			4500		Still on growing stage
ii.									
Vegetables									
i.	Cabbage		0.25	Golden acre		30 Kg	750	6000	
ii.	Broccoli		0.25	Italian green		18 Kg	750	3600	

a. Others (specify)									
i.									
ii.									

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

Sl. No.	Name of the Product	Quantity	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1	Vermicompost	(2 unit) 180	7000	3600	--

6.4 Performance of instructional farm (livestock and fisheries production)

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

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
				Male	Female	Total	Male	Female	Total
3 rd March, 2016	Importance of Rain Water Harvesting in Hill Areas	32	1				22	10	32

27 th March, 2017	Process for construction of Jalkund	25	1				16	09	25
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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)
	NIL	NIL	NIL	NIL	NIL
	NIL	NIL	NIL	NIL	NIL
Total	NIL	NIL	NIL	NIL	NIL
Grand total	NIL	NIL	NIL	NIL	NIL

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	State Bank of India	SBI, Hayuliang	35540849992
Revolving Fund			

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 st
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	Year	Year	Year	Year	March, 2015
Inputs	NIL	NIL	NIL	NIL	NIL
Extension activities	NIL	NIL	NIL	NIL	NIL
TA/DA/POL etc.	NIL	NIL	NIL	NIL	NIL
TOTAL	NIL	NIL	NIL	NIL	NIL

7.3 Utilization of KVK funds during the year 2016 -17

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	Pay & Allowances			
2	Traveling allowances			
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	3,20,000	3,20,000	349546
B	POL, repair of vehicles, tractor and equipment's			97656
C	Meals/refreshment for trainees			110795
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)			
<i>G</i>	Training of extension functionaries			
<i>H</i>	Maintenance of buildings	40,000	40,000	40,000
<i>I</i>	Establishment of Soil, Plant & Water Testing Laboratory	86,000	86,000	86,000
<i>J</i>	Library			
TOTAL (A)		446000	446000	557997
B. Non-Recurring Contingencies				
1	Works			
2	Equipments including SWTL & Furniture	3,25,090	86,000	86,000
3	Vehicle (Bolero)	751897	751897	751897
4	Library (Purchase of assets like books & journals)	63750	63750	63750
TOTAL (B)		1140737	901647	901647
C. REVOLVING FUND		20,000	20,000	20,000
GRAND TOTAL (A+B+C)		1606737	1367647	1479644

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2014 to March 2015				
April 2015 to March 2016				

April 2016 to March 2017	0.00	20,500	0.00	20,500
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Note: No KVK must leave this table blank

8.0 Please include information which has not been reflected above.

(Write in detail)

8.1 Constraints

(a) Administrative:

- I. Lack of manpower in the office to carry out the works on time.
- II. Lack of infrastructure facilities facility, the KVK has established in 2015 but till date no infrastructure has come up so far. Therefore, it is very difficult to run the office in a single room.

Staff sanction	Strength of staff	Vacant
16	07	09

(b) Financial

- I. Due to remote locality, mostly we do not receive the fund timely to execute the activities timely and effectively.

(c) Technical

- I. No laboratory
- II. No demonstration unit
- III. No programme assistant
- IV. KVK site is located at remote area which is 22 Km far away from town



(Signature)
Sr. Scientist cum Head

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