ANNUAL REPORT
2017-18

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

PROFORMA FOR ANNUAL REPORT OF KVKS, 2017-18

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, 2018)**

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 (study leave)	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.SenponNgomle	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-10B4102	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 2017-18

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	
1.	22/03/2017	1. Dr. H. Kalita, Joint Director, ICAR RC for NEH Region, AP Centre, Basar 2. Shri. KegoJilen, ADC, Hayuliang 3. Dr.TanmaySamajdar, Nodal Officer, ICAR RC NEH Region 4. Dr. Manish Kanwat Programme Coordinator 5. Dr.Anup Chandra, Scientist (Entomology), 6. AbryaManyu ZPM Hayuliang, 7. Dr. G S Singh VO 8. A. Ratan, CO, Chaklagam 9. Mr. Khoisnam Naveen, SMS Agronomy, KVK Anjaw 10. Dr. SenponNgomle, SMS		

		Protection, KVK Anjaw 11. Ms. Rebecca Eko, SMS Horticulture, KVK Anjaw 12. Dr. Tilling Tayo, SMS Animal Science, KVK Anjaw 13. Mr. Keshab Chandra Gogoi, Computer Programmer, KVK Anjaw		

Proceedings of Scientific Advisory Committee Meeting
KVK Anjaw, Metengliang
Date 23th Jan 2018

KVK Anjaw organized successfully 3th scientific Advisory Committee Meeting Scientific Advisory Committee meeting was conducted by KVK Anjaw on 23th January,2Ol8 at the conference Hall of KhupaAmpani Lodge. The meeting was started with the welcome address by Dr. Manish Kanwat, Senior Scientist and Head, KVK Anjaw. He welcomed all the dignitaries and gave a brief highlight of the program. Thereafter, the technical session started. The meeting was chaired by Dr. H. Kalita, Joint Director, ICAR RC for NEH Region, AP Centre, Basar and Dr.TanmaySamajdar, Principal Scientist, representative of ICAR For NEH Region, Umiam. Dr. H. Kalita, Joint Director, ICAR, AP Centre, Basar graced the meeting as the Chairman. He praised the activities done by the KVK within the short period of time and encouraged the KVK officials to work on the need based technologies & transferit to the farmer's field. He also praised the new innovations & ideas taken up and praised to think out of the box. Further he emphasized on the skill development of the farming community. Dr.TanmaySamajdar, principal scientist, ICAR For NEH Region, Umiam scrutinized the presentation ofAnnual ProgressReport & Annual Action plan of all the SMSs' He gave valuable corrections &suggestions to all the SMS for conducting their mandatory activities such as OFT, FLD & trainings scientifically. He stressed to incorporate new technologies for the development of the farming community. Shri. KegoJilen, Additional Deputy Commissioner, Hayuliang also graced the meeting as Guest of Honour. He suggested the farmers to adopt scientific method of cultivation for better yield and productivity and congratulated the KVK team for their constant untiring services for the farming community. He also requested the entire line department to work in convergence mode with KVK
Anjaw, The meeting was also graced by other dignitaries Dr.Anup Chandra, Scientist (Entomology), ZPM Hayuliang, BDO, Hayuliang, Veterinary officer & CO Chaglagam. The programme was ended by the formal Vote of thanks by Ms. Rebecca Eko,SMS, Horticulture.

Sl.no	Suggestion	Action to be taken by
1.	In OFT Equivalent yield ratio should be included	SMS, Agronomy
2.	All OFT should be conducted for at least two year for better interpretation	All SMS
3.	In OFT on citrus Trunk Borer Diclrovos should be replaced by any other organic chemicals	SMS Plant Protection
4.	Reframe the problem identification in OFT on Kroiler farming	SMS Animal Science
5.	In FLD on potato KufriJyoti Should be replaced by new varieties not more than 10 years	SMS Agronomy
6.	In OFT on Kiwi include fruit parameters and 3 varieties need to be taken into consideration	SMS Horticulture
7.	Demonstration on citrus rejuvenation should be introduced by Horticulture	SMS Plant Protection

8.	Instead of OFT on yellow sticky trap put it in FLD	SMS Plant Protection
9.	Field day should be conducted	All SMS s
10.	Addition of two or more varieties for OFT	All SMS s

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, kodoetc)
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 (^{0}C)**	**Maximum Temperature (^{0}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			

Crossbred	-		
Indigenous	5747	Nil	Nil
Buffalo	Nil	Nil	Nil
Sheep			
Crossbred	Nil		
Indigenous	Nil		
Goats	5745	Nil	Nil
Pigs			
Crossbred			
Indigenous	15211	Nil	Nil
Rabbits			
Poultry			
Hens	-		
Desi	35969	Nil	Nil
Improved	-		
Ducks	83	Nil	Nil
Turkey and others	-		

Category	**Area**	**Production**	**Productivity**
Fish	Nil	Nil	Nil
Marine	Nil	Nil	Nil
Inland	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 & Livestock's	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	1. Integrated pest and Diseases Mgt. 2. Health Management of pigs

2	Circle Officer, Goiliang	Goiliang	Nilang	L. Cardamom vegetables & Livestock's	1 Incidence of viral diseases and red ants in L. Cardamom 2 Low productivity of vegetables 3 Disease in Mithun	1. Integrated pest and Diseases Mgt. 2. Integrated Farming System 3. Treatment
3	ADC, Hayuliang	Hayuliang	Kongra	Maize pulses vegetables, ginger oranges & Livestock's	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	1. Integrated pest and Diseases Mgt. 2. Integrated Farming System 3. Health Management of pigs
4	ADC, Hayuliang	Hayuliang	Barfu	L. Cardamom & Livestock's	1. Incidence of blight diseases 2. viral diseases in L. Cardamom 3. Diarrhea and skin diseases cattle	1. Integrated pest and Diseases Mgt. 2. Health Management of cattle
5	ADC, Hayuliang	Hayuliang	Supliang	Oranges, pineapple & Livestock's	1. Incidence of trunk borer in oranges 2. Skin diseases	1.Integrated pest and Diseases Mgt.Health Management of pigs
6	ADC, Hayuliang	Hayuliang	Paya	L. Cardamom vegetables & Livestock's	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 & Livestock's	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, Hawai	Hawai	Ngi	Kiwi, Oranges and L. Cardamom & Livestock's	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 & Livestock's	1. Viral diseases in L. Cardamom	1. Integrated pest and Diseases Mgt.
10	ADC, Hayuliang	Hayuliang	Chipru	Oranges and L. Cardamom & Livestock's	1. Incidence of trunk borer 2. Citrus declination 3. Incidence of viral diseases in L. Cardamom	1. Integrated pest and Diseases Mgt.
11	Circle Officer	Walong	Walong, Namti, Gai	Paddy, Maize & Livestock's	Lack of oilseed crop Lack of alternate variety at farmers field	Introduction of oilseed crop Introduction of HY seeds
12	Circle office	Kibithoo	Kaho, Moshai, Dhanbari	Paddy, Maize & Livestock's	Lack of oilseed crop Lack of alternate variety at farmers field	Introduction of oilseed crop Introduction of HY seeds

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2017-18

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	**05**	**05**	**05**	**05**	**10**	**50**	**10**	**50**
Animal Sciences	**04**	**02**	**08**	**04**	**03**	**03**	**130**	**135**
Horticulture	**02**	**Ongoing**	**05**	**05**	**04**	**07**	**04**	**07**
P. Protection	**02**	**02**	**02**	**02**	**02**	**02**	**10**	**14**
Total	**13**	**09**	**20**	**16**	**19**	**62**	**154**	**206**

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	16	22	480	634	400	414	1400	1537
Rural youth	5	4	150	147				

Extn. Functionaries								
Total	**21**	**26**	**630**	**781**	400	414	1400	1537

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

Note: Target set during last Annual Zonal Workshop

3. B. Abstract of interventions undertaken during 2017-18

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.**
2	Oilseed	Rapeseed Toria	Lack of knowledge and unaware about the collection and conservation of local germplasm		Assessment of toria TS-38	Awareness cum training programme on cultivation of oilseed crop		Meeting, Group discussion	Supply of Toria TS-38

3.1 Achievements on technologies assessed and refined during 2017-18

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

Thematic areas	**Cereals**	**Oilseeds**	**Pulses**	**Commercial Crops**	**Vegetables**	**Fruits**	**Flower**	**Plantation crops**	**Tuber Crops**	**TOTAL**
Varietal Evaluation						02				02
Intercropping	01									01
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming										

System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management						01				01
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL	01					03				04

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

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

Thematic areas	**Cereals**	**Oilseeds**	**Pulses**	**Commercial Crops**	**Vegetables**	**Fruits**	**Flower**	**Plantation crops**	**Tuber Crops**	**TOTAL**
Varietal Evaluation	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Seed / Plant production	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Weed Management	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Integrated Crop Management	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Integrated Nutrient Management	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Integrated Farming System	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Mushroom cultivation	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

Drudgery reduction	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Farm machineries	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Post Harvest Technology	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Integrated Pest Management	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Integrated Disease Management	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Resource conservation technology	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Small Scale income generating enterprises	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
TOTAL	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

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

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

Thematic areas	**Cattle**	**Poultry**	**Sheep**	**Goat**	**Piggery**	**Rabbitary**	**Mithun**	**TOTAL**
Evaluation of Breeds					01			01
Nutrition Management							01	01
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL					01		01	02

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

Thematic areas	**Cattle**	**Poultry**	**Sheep**	**Goat**	**Piggery**	**Rabbitary**	**Fisheries**	**TOTAL**
Evaluation of Breeds	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Nutrition Management	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Disease of Management	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

Value Addition	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Production and Management	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Feed and Fodder	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Small Scale income generating enterprises	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
TOTAL	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

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	Intercropping of maize with Soybean	Lack of knowledge about Intercropping practice 2. Lack of soil fertility management	Intercropping	Maize and soybean cropping system	5	**Technology** **Maize** Plant ht-212 cm Grains weight /cob - 155.7g No. of Grains/cobs - 345 Maize equivalent yield 23.82 q of soybean **Soybean** Plant ht-59.3cm No. of branches/pl - 14.5 Pods/pl.-62.8 No. of seeds/pl-5.6 Soybean equivalent yield 35.73 q of maize **Yield of maize**-18.10 q/ha **Yield of soybean**-8.58 q/ha	Satisfied	-	2.20
2.	Breed introduction of Gungroo pig.	. Low body weight gain (35 – 40 kg) 2.High feed conversion ration (5:1) 3. Low letter size (5-6)	Gungroo breeds	**Piggery**	02	On going Adaptability (?) Mortality (5-10 %) litter size (10-12) birth weight (350-600gm) weigh;t at sexual maturity (60-80Kg			On going

3	Salt and Mineral licking Block for Mithun	1.Salt hunger 2. No proper plate form Feeding structure 3. Difficult to track the Mithun in jungle 4. Lots of time & energy is wasted in tracking mithun	Salt and Mineral leaking Block Composition: S:C:S:M 4:1:1:0.05	Mithun	01	Acceptability of farmers:Very good Numbers of Mithun turn over to lick. 384 (4x8x12x2) Aid in drudgery reduction in tracking Mithun :80%	Satisfied		**1:10.9**
4	Introduction of Tibetian cross Assam hilly goat	Lack of alternative suitable breed in relation to Physio-topography of Anjaw District.	Tibetian cross Assam hilly goat 1:2 ratio (M:F)	Goat	56	1. Adaptability (?) 2. Bwt. at sexual maturity (12-15 kg) 3. Age at first kidding 4. Numbers of kids (02) 5. Mortality %	ongoing		
5	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	-	-	-
6	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	-	-	-

7	Control of Citrus trunk borer.	Heavy infestation of Citrus Trunk Borer	Soil Drenching @ 0.03 % (3 ml) + Nutrient Application @ 0.02 % (2 ml) **Farmers Practice :** Cotton plugging with kerosene and Petrol	Citrus	02	1. % of recovery = 86.67	Satisfied		**1.9 : 1**

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 2017-18

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

List of technologies demonstrated during previous year and popularized during 2017-18 and recommended for large scale adoption in the district

Sl. No	**Crop/ Enterprise**	**Technology demonstrated**	**Horizontal spread of technology**		
			No. of villages	No. of farmers	Area in ha
1	Toria	01/ yield enhancement TS-38	03	05	1
2	Toria CFLD	01/yield enhancement Toria CFLD	9	40	18.5
3	Potato	01/ KufriJyoti	03	06	1
4	Poultry	02/Vaccination against IBD &Ranikhet	-	35	372 birds
5	poultry	Kroiler	-	43	900
6.	Mithun	Salt & Mineral Licking Block (SMLB)	02	57	300

6	Pea	Garden Pea var. Golden Seeds-10.	03	05	1 acre
7	Broccoli	Brocolli variety green magic	02	02	1 acre
8	Oyster Mushroom	01/Alternative source of income generation	02	14	2 units

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

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

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rainfed/ Irrigated, Soil type, altitude, etc.)	Status of soil (Kg/ha)		
												N	P	K
					Proposed	Actual	SC/ST	Others	Total					
1.	Toria	Varietal evaluation	TS_38	Rabi season, 2017	1	1	05		05	--	Rainfed	-	-	-
2.	Toria (CFLD)	Varietal evaluation	TS	Rabi season, 2017	20	18.5	40		40	Some Farmers were reluctant to grow in open area due to animals attack	Rainfed			
3.	Potato	Varietal evaluati	KufriJyoti	Rabi season	1	1	06		06		Rainfed			

		on		, 2017										
3.	Garden Pea	Varietal evaluation	GS-10	Rabi season , 2017	1	1	05		05		Rainfed			
4.	Broccoli	Varietal evaluation	Green Magic	Rabi season , 2017	1	1			02		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*	Demo	Local	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR
1	**Oilseed Var. TS-38**	Varietal evaluation of TS-38	1	7.57	-		8.88	6.83	**Plant ht- 65.7 cm** **Siliqua /plants - 73** **Seeds/ Siliqua 14.5**		**21220**	**49205**	**27985**	**2.31**				
2	**Oilseed Var. TS-38** **CFLD**	Varietal evaluation of TS-38	18.5	7.90			9.3	6.70			22408	51386	28978	2.29				

3	**Potato VarkufriJyoti**	Varietal evaluation of KufriJyoti	1	**48.9**			**52.4**	**45.4**	**No of tubers: 06** **Av. Weight of tubers: 19.8 gm**		**74300**	**146700**	**72400**	1.9				
4	Garden Pea	Varietal evaluation	1	**14.14**	**6.40**	**54**	**16.20**	**12.07**			**11,300**	**28,280.**	**16,980.**	**2.5:1**				
5	Broccoli	Varietal evaluatio	1	**14.75**	-	-	**20.50**	**09**			**9,700**	**29,500**	**19,800**	**3.04:1**				

***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	2	27/02/2018 15/3/2018	NIL	18 10	18 10	28
2	Farmers Training	02	7/10/2018	NIL	34	34	34
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	2	NIL	NIL	62	62	62

e. Details of FLD on Enterprises

(i) Farm Implements

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

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

(ii) Livestock Enterprises

Sl. No.	Enterprise/ Category (e.g., Dairy, Poultry etc.)	Thematic area	Name of Technology	No. of farmers	No. of units	No. of animals, poultry birds etc.	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
							Demo	Check		Demo	Check	GC **	GR **	NR **	BCR **	GC	GR	NR	BCR	
1	Poultry	Vaccination	Vaccination against	35		372	Outbreak of IBD prevented	Heavy mortality	80%											

			regular out break of IBD &Ranikhet disease				Outbreak of Ranikhet disease prevented	occurred due to regular outbreak of IBD &Ranikhet disease												
2	Poultry	Breed	Kroiler	43		900	Mortality %:23% Bwt gain per month: 400 gm FCR:1:4	Mortality %: 60% Bwt gain per month: 255 gm FCR:1.5.3	61% 36% 32%											
3	Mithun	Feeds nutrition	SLMB Technology	57		300	Salt & Mineral Licking Block (SMLB)	Hand feeding	90%											SMLB is farmer friendly technology, chief and easy to construct by farmers

**** 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,**	**Thematic area**	**Name of Technology**	**No. of farmers**	**No. of unit**	**No. of fish/ fingerlings**	**Major Performance parameters / indicators**	**% change in the para**	**Other parameters (if any)**		**Econ. of demo. (Rs./Ha.)**				**Econ. of check (Rs./Ha.)**				**Remarks**
									Demo	**Check**	**GC***	**GR**	**NR**	**BC**	**GC**	**GR**	**N**	**BC**	

	ornamental fish etc.				**s**		**Demo**	**Check**	**meter**			*	**	**	**R **			**R**	**R**	
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	14	2	1.55					7000	23000	16000	2.2 : 1					

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

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

(v) Farm Implements and Machinery

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

f. Performance of FLD on Crop Hybrids

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

3.3.1. Farmers and Farm Women in On CampusincludingSponsored On CampusTrainingProgramme(*Sp. On means On Campus training programmes sponsored by external agencies)

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

Management																						
Fodder production																						
Production of organic inputs																						
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops																						
Off-season vegetables																						
Nursery raising																						
Exotic vegetables like Broccoli																						
Export potential vegetables																						
Grading and standardizatio n																						
Protective cultivation (Green Houses, Shade Net etc.)																						

b) Fruits																						
Training and Pruning																						
Layout and Management of Orchards																						
Cultivation of Fruit																						
Management of young plants/orchard																						
Rejuvenation of old orchards																						
Export potential fruits																						
Micro irrigation systems of orchards																						
Plant propagation techniques																						
c) Ornamental Plants																						
Nursery Management																						
Management of potted plants																						

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

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

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

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

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

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

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

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

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

3.3.2. Achievements on Training of <u>Farmers and Farm Women</u> in <u>Off Campus</u> including <u>Sponsored Off Campus</u> Training Programmes
(*Sp. Off means Off Campus training programmes sponsored by external agencies)

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

				Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
I. Crop Production																						
Weed Management																						
Resource Conservation Technologies	02		02							33		24		57		33		24		57		57
Cropping Systems	01		01							14		20		34		14		20		34		34
Crop Diversificatio n																						
Integrated Farming																						
Water management																						
Seed production																						
Nursery management																						
Integrated Crop Management																						
Fodder production																						
Production of organic inputs																						

II. Horticulture																					
a) Vegetable Crops																					
Production of low volume and high value crops																					
Off-season vegetables		01	01							10		12		22		10		12		22		22
Nursery raising																					
Exotic vegetables like Broccoli																					
Export potential vegetables																					
Grading and standardizatio n																					
Protective cultivation (Green Houses, Shade Net etc.)	01	00	01							15		19		34		15		19		34		34
b) Fruits																					
Training and Pruning																					
Layout and Management																					

of Orchards																						
Cultivation of Fruit	01	01	02							22		19		22		19		22		41		41
Management of young plants/orchard																						
Rejuvenation of old orchards																						
Export potential fruits																						
Micro irrigation systems of orchards																						
Plant propagation techniques																						
c) Ornamental Plants																						
Nursery Management	01		01							10		20		30		10		20		30		30
Management of potted plants																						
Export potential of ornamental plants																						

Propagation techniques of Ornamental Plants																						
d) Plantation crops																						
Production and Management technology																						
Processing and value addition																						
e) Tuber crops																						
Production and Management technology																						
Processing and value addition																						
f) Spices																						
Production and Management technology	02	01	03							162		140		302		162		140		302		302
Processing and value addition																						
g) Medicinal and Aromatic Plants																						

Nursery management																						
Production and management technology																						
Post harvest technology and value addition																						
III Soil Health and Fertility Management																						
Soil fertility management	01		01							10		18		28		10		18		28		28
Soil and Water Conservation																						
Integrated Nutrient Management																						
Production and use of organic inputs																						
Management of Problematic soils																						
Micro nutrient deficiency in crops																						

Nutrient Use Efficiency																						
Soil and Water Testing																						
IV Livestock Production and Management																						
Dairy Management																						
Poultry Management	01		01							13		23		36		13		23		36		36
Piggery Management																						
Rabbit Management																						
Disease Management	01		01							20		16		36		20		16		36		36
Feed management																						
Production of quality animal products																						
V Home Science/Women empowerment																						
Household food security by kitchen gardening and nutrition gardening																						
Design and development																						

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

Rural Crafts																						
Women and child care																						
VI Agril. Engineering																						
Installation and maintenance of micro irrigation systems																						
Use of Plastics in farming practices	01	00	01							14	00	14	00	28	14	00	14	28		28		28
Production of small tools and implements																						
Repair and maintenance of farm machinery and implements																						
Small scale processing and value addition																						
Post-Harvest Technology																						
VII Plant Protection																						

Integrated Pest Management	3	2	5							31	52	36	42	67	94	31	52	36	42	67	94	161
Integrated Disease Management	3	2	5							38	41	21	34	59	75	38	41	21	34	59	75	134
Bio-control of pests and diseases																						
Production of bio control agents and bio pesticides																						
VIII Fisheries																						
Integrated fish farming																						
Carp breeding and hatchery management																						
Carp fry and fingerling rearing																						
Composite fish culture																						
Hatchery management and culture of freshwater prawn																						
Breeding and culture of																						

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

production																						
Vermi-compost production	01		01							12		16		28		12		16		28		28
Organic manures production																						
Production of fry and fingerlings																						
Production of Bee-colonies and wax sheets																						
Small tools and implements																						
Production of livestock feed and fodder																						
Production of Fish feed																						
X Capacity Building and Group Dynamics																						
Leadership development																						
Group dynamics																						
Formation and Management																						

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

(B) RURAL YOUTH

3.3.3. Achievements on Training Rural Youth in On Campus including Sponsored On Campus Training Programmes

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

Thematic area	No. of Courses/ Prog			**Participants**			**Grand Total** (x + y)
			Total	**General**	**SC/ST**	**Total**	

	On (1)	Sp On* (2)	(1+2)	Male		Female		Total		Male		Female		Total		Male		Female		Total		
				On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a= 4+6)	Sp. On (b= 5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c= 8+10)	Sp. On (d= 9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x= a +c)	Sp. On (y= b +d)	
Mushroom Production																						
Bee-keeping																						
Integrated farming																						
Seed production																						
Production of organic inputs																						
Integrated Farming																						
Planting material production																						
Vermi-culture																						
Sericulture																						
Protected cultivation of vegetable crops																						
Commercial fruit production																						

Repair and maintenance of farm machinery and implements																					
Nursery Management of Horticulture crops	1		1							12		18				12		18		30		30
Training and pruning of orchards																					
Value addition																					
Production of quality animal products																					
Dairying																					
Sheep and goat rearing																					
Quail farming																					
Piggery																					
Rabbit farming																					
Poultry production																					
Ornamental fisheries																					

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

3.3.4. Achievements on Training of Rural Youth in Off Campus including Sponsored Off Campus Training Programmes

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

Thematic area	No. of Courses/ Prog.			Participants																		Grand Total
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	Off	Sp Off	Total	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
Mushroom Production	1		1							14		21		35		14		21		35		35
Bee-keeping																						
Integrated farming																						
Seed production																						
Production of organic inputs																						
Integrated Farming																						
Planting material production																						
Vermi-culture																						
Sericulture																						
Protected cultivation of vegetable																						

crops																						
Commercial fruit production																						
Repair and maintenance of farm machinery and implements																						
Nursery Management of Horticulture crops																						
Training and pruning of orchards																						
Value addition																						
Production of quality animal products																						
Dairying																						
Sheep and goat rearing																						
Quail farming																						
Piggery																						
Rabbit farming																						

Poultry production	01		01							33		10		42		33		10		42		42
Disease management	01		01							18		23		41		18		23		41		41
Ornamental fisheries																						
Para vets																						
Para extension workers																						
Composite fish culture																						
Freshwater prawn culture																						
Shrimp farming																						
Pearl culture																						
Cold water fisheries																						
Fish harvest and processing technology																						
Fry and fingerling rearing																						
Small scale processing																						

Post Harvest Technology																						
Tailoring and Stitching																						
Rural Crafts																						
TOTAL																						

C. Extension Personnel

3.3.5. Achievements on Training of Extension Personnel in On Campus including Sponsored On Campus Training Programmes

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

Thematic area	No. of Courses/ prog			Participants																		Grand Total
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	On (1)	Sp On* (2)	Total (1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a= 4+6)	Sp. On (b= 5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c= 8+10)	Sp. On (d= 9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x= a +c)	Sp. On (y= b +d)	(x + y)
Productivity enhancement in field crops																						
Integrated Pest																						

Management																						
Integrated Nutrient management																						
Rejuvenation of old orchards																						
Protected cultivation technology																						
Formation and Management of SHGs																						
Group Dynamics and farmers organization																						
Information networking among farmers																						
Capacity building for ICT application																						
Care and maintenance of farm machinery and implements																						

WTO and IPR issues																						
Management in farm animals																						
Livestock feed and fodder production																						
Household food security																						
Women and Child care																						
Low cost and nutrient efficient diet designing																						
Production and use of organic inputs																						
Gender mainstreaming through SHGs																						

3.3.6. Achievements on Training of <u>Extension Personnel</u> in <u>Off Campus</u> including <u>Sponsored Off Campus</u> Training Programmes

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

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

Information networking among farmers																					
Capacity building for ICT application																					
Care and maintenance of farm machinery and implements																					
WTO and IPR issues																					
Management in farm animals																					
Livestock feed and fodder production																					
Household food security																					
Women and Child care																					
Low cost and nutrient efficient diet designing																					
Production and use of																					

organic inputs																						
Gender mainstreaming through SHGs																						
TOTAL																						

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

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

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T

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

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date (From – To)	Duration (days	Area of training	Training title*	No. of Participants									Impact of training in terms of Self employment after training				Whether Sponsored by external funding agencies (Please Specify with amount of fund in Rs.)
					General			SC/ST			Total							
					M	F	T	M	F	T	M	F	T	Type of enterprise ventured into	Number of units	Number of persons employed	Avg. Annual income in Rs. generated through the enterprise	

*training title should specify the major technology /skill transferred

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

On/ Off/ Vocational	Beneficiary group (F/ FW/ RY/ EP)	Date (From-To)	Duration (days)	Discipline	Area of training	Title	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
							General			SC/ST			Total				
							M	F	T	M	F	T	M	F	T		

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 2017-18

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			145				**105**	**95**	**200**				**105**	**95**	**200**
2.	Diagnostic visit			14				**10**	**7**	**17**				**10**	**7**	**17**
3.	Field day			3				**30**	**23**	**53**				**30**	**23**	**53**
4.	Group Discussion			05				**56**	**15**	**71**				**56**	**15**	**71**
5.	KishanGosthi			-	-	-	-	-	-	-	-	-	-	-	-	-
	KishanMela			-	-	-	-	-	-	-	-	-	-	-	-	-
6.	Film show			05				58	70	128				58	70	128
7.	SHG formation			-	-	-	-	-	-	-	-	-	-	-	-	-

8.	Exhibition			4				135	165	300				135	165	300
9.	Scientists visit to farmers fields			168				102	75	177				102	75	177
10.	Plant/ Animal Health camp			01				16	13	29				16	13	29
11.	Farm science club			-	-	-	-	-	-	-	-	-	-	-	-	-
12.	Ex-trainee Sammelan			-	-	-	-	-	-	-	-	-	-	-	-	-
13.	Farmers seminar/ workshop															
14.	Method demonstration			7				46	32	78				46	32	78
15.	Celebration of important days			10				Mass	Mass	Mass				Mass	Mass	Mass
16.	Exposure visits			-	-	-	-	-	-	-	-	-	-	-	-	-
17.	Electronic media (CD/DVD)			-	-	-	-	-	-	-	-	-	-	-	-	-
18.	Extension literature			02				Mass	Mass	Mass				Mass	Mass	Mass
19.	Newspaper coverage			37				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															
25.	Awareness camp			2				165	120	285				165	120	285
26.	Lecture delivered as resource person			15				124	75	199				124	75	199
27.	PRA			-	-	-	-	-	-	-	-	-	-	-	-	-
28.	Farmer-Scientist interaction			-	-	-	-	-	-	-	-	-	-	-	-	-

29.	Soil test campaign			-	-	-	-	-	-	-	-	-	-	-	-	-
30.	MahilaMandal Convener meet			-	-	-	-	-	-	-	-	-	-	-	-	-
31.																
32.																
Grand Total				**414**				**847**	**690**	**1537**				**847**	**690**	**1537**

3.5 Production and supply of Technological products during 2017-18

A. SEED MATERIALS

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

FLOWER CROPS							
OTHERS (Specify)							

A1. SUMMARYofProduction and supply of Seed Materials during 2017-18

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Number of recipient/ beneficiaries		
				General	SC/ST	Total
1	CEREALS	10 kg local pop corn maize	300			
2	OILSEEDS					
3	PULSES					
4	VEGETABLES					
5	FLOWER CROPS					
6	OTHERS					
TOTAL						

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

Major group/class	Crop	Variety	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
					General	SC/ST	Total

Fruits							
Spices							
Ornamental Plants							
VEGETABLES							
Forest Spp.							
Plantation crops							
Medicinal plants							

OTHERS (Pl. Specify)							

B1. SUMMARY of Production and supply of Planting Materials (In Lakh) during 2017-18

Sl. No.	Major group/class	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
				General	SC/ST	Total
1	Fruits	170 nos	5950		17	17
2	Spices					
3	Ornamental Plants					
5	Forest Spp.					
6	Medicinal plants					
7	Plantation crops					
8	OTHERS (Specify)					
TOTAL						

C. Production of Bio-Products during 2017-18

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

BIOFERTILIZERS								
1	**Vermicompost**	**Eisiniafoetida**		**125**	**1250**	**-**	**20**	**-**
2								
BIO PESTICIDES								
1								

C1. SUMMARY of production of bio-products during 2017-18

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient beneficiaries
			Nos	(kg)		General	SC/ST	
1	BIOAGENTS							
2	BIO FERTILIZERS	**Eisiniafoetida**	**-**	**125**	**1250**		**20**	**20**
3	BIO PESTICIDE							
	TOTAL			**125**	**1250**		**20**	**20**

D. Production of livestock during 2016-17

Sl. No.	Type of livestock	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		
			(Nos)	Kgs		General	SC/ST	Total
	Cattle/ Dairy	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**

		NIL	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**
	Goat	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**
		NIL	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**
	Piggery	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**
		NIL	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**
	Poultry	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**
		NIL	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**
		NIL	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**
	Fisheries	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**
		NIL	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**
		NIL	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**
	Others (Specify)	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**
		NIL	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**
		NIL	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**

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	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**

2	SHEEP & GOAT	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**
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			
Technical Report	1		
1.	FMD outbreak in Mithun and cattle	**Tilling Tayo**	-
2.			-
Book/ Book Chapter			

Popular articles			
Technical bulletins	**01** **Salt And Mineral Licking Block Technology for Mithun**	**Tilling Tayo**	
Extension bulletins	KVK Training Calendar		
Newsletter	KVK, Newsletter 2017-18		
Conference/ workshop proceedings/Abstract	(02) **1. Traditional processing and weaving using Himalayan Nestle plant by Mishmi tribe** **2. Chungrung a boon For Mishmi Tribe**	**Tilling Tayo**	
Leaflets/folders			
e-publications			
Any other (Pl. specify)			
TOTAL	**06**		

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

(C) Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number produced
1	**CD**	**1.** Construction of Salt and Mineral Licking Block	**05**

		2. Mithun Licking on Salt and Mineral Licking Block 3. Foot and Mouth Disease: Prevention and its Control 4. Vermicompost Production Technology 5. Mushroom Production	

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)

SALT & MINERAL LICKING BLOCK (SMLB) TECHNOLOGY ----Given in Annexure I

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

SALT & MINERAL LICKING BLOCK (SMLB) TECHNOLOGY ----Given in Annexure I

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	Himalayan Nettle plant	Processing and spinning of fiber from wild nettle plants	Weaving and handloom

PROCESSING AND SPINNING OF FIBER FROM WILD NETTLE PLANTS -------ANNEXURE ---II

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 (2017-18) :

Details	No. of Samplesanalyzed	No. of Farmers	No. of Villages	Amount (In Rupees) realized
Soil Samples	89	152	1	64000/-
Water Samples				
Plant Samples				

Petiole Samples				
Total	25	277	163	64000/-

3. Details of Soil Health Cards (SHCs) (2017-18)

a. No. of SHCs prepared:152
b. No. of farmers to whom SHCs were distributed:152
c. Name of the Major and Minor nutrients analyzed: Major (Calcium, Magnesium, Sulphur), Minor (N, P, K)
d. No. of villages covered:1
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 2017-18

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**				
	▪ Short duration crops/varieties like RCM-1-75, RCM-1-76 ▪ Conservation of pre-monsoon soil moisture	**5.00**		**20.00**	**20.00**

	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.				
	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	250 animals	12	10	400		400	400

4.0. IMPACT

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

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
NBPGR New Delhi	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 2017-18

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

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district :Yes

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2017-18

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	

2	Jalkund	2016	1	--	--	30000	4500	--	--
3	Vermicompost	2016	4 unit	Eisiniafoetida	--	125 Kg	-	1250	--
4	Mushroom	2016	1 unit	Oyster Mushroom	--	25 Kg	6000	750	--
5	Polyhouse	2016	1 unit	Tomato (Megha tomato-3) Local Chilly	--	Brocolli		2450	--
6	Shade net	2016	1 unit	--	--	Broccoli-2000		Same	
7	Poultry	2016	1 unit	--	--	--	50,000	20,000	

6.2 Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Rice									
Wheat									
Maize	1April , 2017			RCM-76			200		Due to no fencing all the crops are being eaten by pigs and mithun
Any other									
Pulses									
Green gram									
Black gram									
Arhar									
Lentil									
Peas	2th October,			GS-10			400		Due to no fencing all

	2017								the crops are being eaten by pigs and mithun
Any other									
Oilseeds									
Toria	4th Oct 2017			TS-38					Due to no fencing all the crops are being eaten by pigs and mithun
Soy bean	June 2017			JS-335			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.									
ii.	Broccoli		0.25	Magic green		49 Kg	750	5950	

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	125 kg		1250	--

6.4 Performance of instructional farm (livestock and fisheries production)

Sl.No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed/ species	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Poultry	Kroiler	Meat	74 kg	14000	18500	NIL
2	NIL	NIL	NIL	NIL	NIL	NIL	NIL

6.5. Utilization of hostel facilities (Month-Wise) during 2017-18

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 31st March, 2015
	Year	Year	Year	Year	
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 2017 -18

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)			
B	POL, repair of vehicles, tractor and equipment's			
C	Meals/refreshment for trainees			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)				
B. Non-Recurring Contingencies				

1	**Works**			
2	**Equipments including SWTL & Furniture**			
3	**Vehicle** (Bolero)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2014 to March 2015				
April 2015 to March 2016				
April 2016 to March 2017	0.00	20,295	0.00	20,295/-
April 2017 to March 2018	0.00	1,37,170	0.00	1,37,170/-

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.

ANNEXURE-I

SALT & MINERAL LICKING BLOCK (SMLB) TECHNOLOGY

Submitted by Dr. Tilling Tayo, SMS Animal Science, KVK Anjaw (A.P)

I. INTRODUCTIONS

Mithun are consider as most blessed animal in Mishmi society, they are used for bridal price during marriage ceremony, as a sacred animal for scarification in rituals and as a last rite Animal to honour the departed soul to rest in peace. Mithun are reared under semi-domesticated system, they let loose to roam in jungle freely and caught only during the time of needs for payment of bridal price, rituals scarification and community feast. However, owner has to visit in jungle frequently twice or thrice a month to monitor the presence of their Mithun in jungle. Monitoring mithun in jungle is one of the most tedious and tired some job in mithun husbandry, due to which till date women and children cannot involve in Mithun husbandry. It has been observed that only salt is the only component used as a barter of instrument to keep in touch with mithun and owner. Normally it is practices that, once mithun are spotted in jungle, owners have to feed handful of salt and mithun have very high affinity towards salt licking.

II. KVK INTERVENTIONS

Considering, salt as a corner stone in the traditional method of mithun production system. SMS Animal Science, KVK Anjaw has developed **"Salt & Mineral licking block (SMLB)"** concept based on drudgery reduction and to involve women in traditional method of Mithun production systems. Thereby establishing a permanent structure of SMLB at certain strategic location, so that mithun could come to lick the block and monitoring workload of owners are mitigate. Because once the mithun sensitize, for the presence of salt in SMLB, they will regularly visit the spot. Therefore, Mithun owner have to visit in SMLB spot to find their mithun and even women can take part inmithun husbandry. As a result, there is drudgery reduction in tracking mithun in jungle, thereby facilitating easy method of monitoring mithun under free-range system of domestication, without much changing their traditional method of Mithun husbandry practices.

OBJECTIVE OF TECHNOLOGY

1. Drudgery reduction, in terms of monitoringMithun in jungle
2. Women participation in mithun husbandry
3. Quench salt hunger of Mithun
4. Boost ecotourism (Mithun view point)

MATERIAL REQUIRED

A. Ingredients required

1. Common salt (Coarse)
2. Mineral Mixture
3. Cement
4. Sand
   a. Fine sand
   b. Coarse sand
5. Stone gravels
6. Cart/wood

B. COMPOSITION OF SALT AND MINERAL LICKING BLOCK (SMLB)

Salt and mineral licking block (SMLB), is a permanent concrete structure, composed of two layers, base and apex: The base part of SMLB, 2 ft above the ground level are compose of sand, cement and stone gravels in 4:1:2 ratio respectively. The apex parts of SMLB, 0.4 ft (4" inch) are composed of Salt, mineral mixture, cement and fine sand in 1:0.05:1:3 ratios respectively (Fig No.1.)

C. PROPORTION OF INGREDIENTS

1. **Apex:** 0.4 ft ingredients required ratio are:

   Salt:Mineral Mixture: Cement: Fine Sand: (1: 0.05: 1: 3)

2. **Base:** 2.4ft ingredients required ratio are:Cement:Sand: Stone gravels (1: 3: 2)

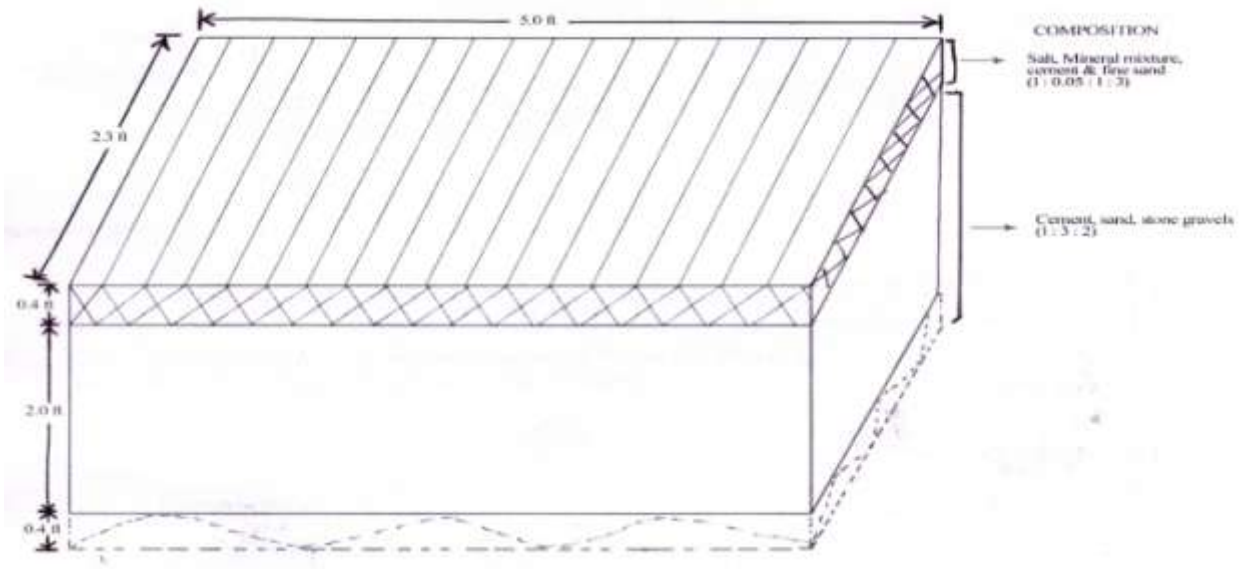

Fig. No.1. Salt & Mineral licking block (SMLB), its composition and standard size

D. STANDARD SIZE

LxBxH (5x 2.2 x 2.4)

E. QUANTITY REQUIRED

Cement = 6 bags
Salt = 60 kg
Sand = 23 bags
Stone gravels = 10 bags

F. AMOUNTS REQUIRED FOR CONSTRUCTION OF ONE SMLB

Cement = @ Rs 500/bag = 6x 500 = Rs 3000.00
Salt = @ Rs 10/ kg = 60x 10 = Rs 600.00
Sand & Stone gravels= 23 + 10 bags]=2400.00

Total= 6,000.00

III. OUTPUT AND OUTCOME

SMLB is boon for Mithun rearing farmers because once the Mithun are sensitize for presence of salt in SMLB concrete structure; mithuns are regularly visiting the place to quench their salt hunger. As a result, the mithun owners need not to visit deep in jungle to track or locate their presence of mithun, which is the most tedious and tiresome job in entire mithun production system. It can be evident from the picture that on first construction of SMLB only few mithun have visited the spot (Pic. No. 1), but on successive expose to SMLB a herds of mithun visiting the SMLB spot on regular interval of time (Pic. No.2).

Pic. No.1 Mithun licking SMLB on few days of construction


Pic.No.2. Group of Mithun on successive exposure toSMLB licking block

IV. IMPACT

After seeing the success of SMLB constructed at MGMG VillgaeSupliang, two farmers have constructed the structure by their own expenses and four official applications has been received from mithun farmers of other village to construct the same. Senior veterinary officer Govt. Of Arunachal Pradesh of Hayuling, Anjaw had taken the technology from KVK Anjaw to replicate the technology for mithun beneficiaries under state plan. In addition, technology for SMLB manuscript had already submitted for receiving permission from PME cell ICAR Barapani to bring out in printed bulletin form, to disseminate the technology in Mithun rearing district and state of Northeast.

ANNEXURE-II

Processing and Weaving of local cloth from weeds plants

1. Collection of weeds from the jungle

2. Pealing of the skin from the bark of the weeds plants

3. Separating of the skin into smaller piece

4. Binding of the skin of the weeds

5. Boiling of the skin fibre along with ash

6. washing of the boiled fibre skin after boiling

7. Beating the fibre to make it loosen

8. Drying of the fibres

9. Dried fibre

10. Separating of the fibre into thread for weaving cloth

11. Making Thread ball for weaving

12. The fibre are put into loom for weaving

13. Final product after weaving from weeds fibrechuwam (Mizu)