

## **Report of “Training of Masters Trainers on ANIMAL HUSBANDRY” (ToMT): FOCUS-IFAD-FAO .**

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**Conducted at Co-operative Training Centre, Medzihpema, from 16<sup>th</sup> to 20<sup>th</sup> September 2019**

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### **Participants and Resource persons.**

Five days training program was attended by 32 field Officers from the department of A.H & Veterinary Services with resource persons from; FAO, Department of A.H & Veterinary Services, VFATI Medziphema, NRC-Mithun Jharnapani, ATMA Dimapur.

### **Mode of Conduct:**

The training was conducted with classroom power point presentations, classroom group exercises, and field visits. Interaction and feed backs between participants, resource persons and coordinators were done at the beginning and end of training every day.

### **Topic coverage.**

Focusing mostly on pigs, poultry and mithun, topics were covered on management, housing, Feeds & Fodder, Health- deworming , Vaccination, first aid measures, disease reporting and preventive measures etc...

### **Exposure field visits:**

After the classroom theory and interaction, participants were taken on exposure field visits on the following established and small scale farms:-

1. **Pig Breeding Farm ICAR- Jharnapani:** The participants had an interaction with the farm managers and scientist and got to see the housing, feeding, management and record keeping of the farm.
2. **Pig Breeding Farm ICAR- Jharnapani:** After the classroom theory on Artificial Insemination in pig, participants were taken for practical field exposure with observation and hands on practice from Boar training, semen collection, processing in lab and storage till insemination.
3. **Private Small Scale Piggery farm.**
4. **Poultry Farm and Hatchery Unit- ICAR Jharnapani.**
5. **NRC-Mithun Farm:**  
Management and feeding practices under Semi intensive farming of Mithun was observed.

Pre and post evaluation of the participants were conducted.

The training winded up with a short valedictory program, getting feeding backs from participants and a certificate awarding to participants from the program coordinators.

Enclosed herewith the Course schedule:

**Prepared by**  
**Dr.Auto.V**  
**PIT, FOCUS**

## Annexure 1: Session plan for training of masters' trainer (ToMT)

### A. NAGALAND

Session	Time Hrs.	Topics	Method	Aid/ Materials
<b>DAY 1</b>				
	09.00 to 10.00	Registration		
	10.00 to 10.30	Inauguration		
Technical Session 1 Pig Breeding and housing	10.30 to 11.45	Breeding: Different Breeds of pigs - criteria for selection of pigs suitable for Nagaland. Housing: Prevailing housing systems for pigs Scientific housing systems and management. Provisions different categories and sick pigs. Their advantages and disadvantages and scope of improvement. Mode of transmission of germs and adoption of hygienic practice for prevention and control of germs.	Lecture and interaction	Presentation by Resource Person.
	11.45 to 12.00	Tea break		
Technical Session 2	12.00 to 13.00	Animal Disease Surveillance and Monitoring.	Lecture and interaction	Presentation by Resource Person.
	13.00 to 14.00	Lunch break		
Technical Session 3	14.00 to 15.00	Care and management of pregnant & lactating sows and neonates till weaning, growing & finishing pigs. Culling of sows. Castration. Surgical procedures for minor problems of pigs. First aid to wounds- Equipments and medicine requirement.	Lecture and interaction	Presentation by Resource Person.
	15.00 to 15.15	Tea break		
Technical Session 4	15.15 to 16.00	Common diseases of pigs- CSF, FMD, PRRS, Swine Dysentery, piglet anaemia, parasitic infestations	Lecture and interaction	Presentation by Resource Person.

		Reproductive cycle of pigs, Selection of boars for breeding.		
Summing-up	16.00 to 16.30	Wrap up of the first day session	Group interaction	Presentation by Resource Person.
<b>DAY 02</b>				
Field Visit	06.00 to 08.00	Visit to ICAR Pig Farm Jharnapani, Hands on practice on AI in Pig, Care and management practices and feeding. Collection and preservation of semen, Transportation, maintenance of cold chain and AI in pigs. Vermicompost preparation.	Practical session	Demonstration
Recap	10.00 to 10.30	Feedback by participants	5 minutes per participant	
Technical Session 5	10.30 to 11.45	Outbreak investigation and management – An Epidemiological perspective. Collection, preservation and dispatch of samples.	Lecture and interaction	Presentation by Resource Person.
	11.45 to 12.00	Tea Break		
Technical Session 6	12.00 to 13.00	Feeding different categories of pigs for optimum production. Cultivation of fodder crops for feeding of pig. Different processing methods, including silage making. Traditional pig feed and processing. Demonstration of Best practices. Economics of a small pig unit.	Lecture and interaction	Presentation by Resource Person.
	13.00 to 14.00	Lunch break		
Technical Session 7	14.00 to 15.15	Porcine Respiratory and Reproductive Syndrome (PRRS) – an exotic / Emerging disease of pigs - Outbreak Scenario.	Table Top Exercise	Make four groups and assign task- Moderator- Dr. I. P. Khala

				& Dr. Vikram
	15.15 to 15.30	Tea Break		
Technical Session 8	15.30 to 17.00	PRRS- Outbreak Scenario continues	Group Presentation	Moderator- Dr. I. P. Khala & Dr. Vikram
DAY 03				
Field Visit	06.00 to 08.00	Visit to a private pig farm at Medziphema.	Practical session	Demonstration by Dr. Auto V of the state FOCUS team on various management aspect.
Recap	10.00 to 10.30	Feedback by participants	5 minutes per participant	
Technical Session9 Poultry Breeding and housing	10.30 to 11.30	Poultry in livelihood of poor / Small poultry farmer. Major problems faced by poultry producers. Economics of poultry production <b>Housing:</b> Prevailing housing systems for poultry. Basic tenets of poultry housing their advantages and disadvantages and scope of improvement. Preparation of shed before brooding. <b>Breeding:</b> Different Breeds of poultry - criteria for selection of Poultry suitable for Nagaland. Breeding management of local and exotic cross breeds.	Lecture and interaction	Presentation by Dr. Imomanen Tzüdir, District Livestock Development Officer, Dimapur. i/c of Poultry Farm, Medziphema.
	11.30 to 11.45	Tea Break		
Technical Session 10	11.45 to 13.00	Disease of Poultry – Prevention, treatment and control. Poultry health and diagnostics. Bio waste management.	Lecture and interaction	Presentations by Dr. Vikram
	13.00 to 14.00	Lunch break		
Technical Session 11	14.00 to 15.00	Care, Management and feeding of backyard poultry (Layers, LIT and	Lecture and interaction	Presentation by Dr. Imomanen

		desi birds) and in commercial poultry farms. Feed and nutrition. Prevailing poultry production & marketing system in the state / district / villages		Tzüdir, District Livestock Development Officer, Dimapur. i/c of Poultry Farm, Medziphema.
Field visit	1500 to 1700	Visit to State Poultry Farm/private farm.	Practical session	Demonstration by the officers of state poultry Farm on basic bio-security in the commercial farms
<b>DAY 04</b>				
Field visit	06.00 to 08.00	Visit to ICAR poultry Farm Jharnapani, Hands on practice training on, Care and management practices, feeding record keeping etc...	Practical session	Demonstration by the scientists of Poultry Farm ICAR Jharnapani
Recap	10.00 to 10.30	Feedback by participants	5 minutes per participants	
Technical Session 12	10.30 to 11.30	How to prepare Vermi-compost using pig faecal material / manure.	Lecture and interaction	
	11.30 to 11.45	Tea Break		
Technical Session 13	11.45 to 13.00	Key partnership among Vet/ Para-vet and CAHWs (Community Animal Health Workers)	Lecture and video presentation	
	13.00 to 14.00	Lunch break		
Technical Session 14	14.00 to 15.00	Biosecurity and Disease Reporting	Lecture and interaction	
	1500 to 15.15	Tea break		
Technical Session 15	1515 to 16.30	Rearing of Mithun in semi-intensive farming system – care, feeding, breeding and management of Mithun in captivity	Lecture and interaction	
<b>DAY 05</b>				

Field Visit	06.00 to 08.00	Visit to Mithun Farm, NRC on Mithun – Medziphema	Practical session	Demonstration by the Scientists of NRC – Mithun on Housing, breeding, feeding and management of Mithun in farms
Recap	10.00 to 10.30	feedback by participants	5 minutes per participants	
Technical Session 16	10.30 to 11.30	Understanding the prevailing Mithun rearing system in the state with its importance on livelihood. Common community shed for medication. Natural breeding, ear tagging /branding and restraining.	Lecture and interaction	
	11.30 to 11.45	Tea Break		
Technical Session 17	11.45 to 13.00	Diseases of Mithun – Prevention, Treatment and Control	Lecture and interaction	
	13.00 to 14.00	Lunch break		
Session 18	14.00 to 15.00	Summarization the TOT workshop and Evaluation	Group interaction	Moderator- PIT
	15.00 to 15.15	Tea Break		
Session 19	15.15 to 16.30	Open discussion, questions and clarifications - Valedictory Function		Moderator- Dr. I. P. Khala