

Training Workshop cum Faculty Development Program (FDP)
on
**DISASTER RISK MANAGEMENT
FOR LIVESTOCK**

Dates: 21-22nd Oct' 2021
Venue: LH-2, First Floor, GIDM

Organized by



**Directorate of
Animal Husbandry**



**Gujarat Institute of
Disaster Management**



Kamdhenu University

A. Background

Disasters affect human as well as animals' activities. Livestock population is the first to be affected in the precarious situations due to various disasters. The Dept. of Animal Husbandry, Dairying, and Fisheries (DAHD&F), Ministry of Agriculture & Farmers Welfare, GoI has prepared the **Disaster Management Plan (2016)** for protecting animal and preventing and mitigating the loss of livestock resources during disasters. It constitutes an important part of the mandate of the Ministry of Agriculture and Farmers Welfare, GoI. Hence, increasing Resilience for Livestock and Wildlife, acknowledges the strategy of Disaster Risk Management laid down by the **SFDRR 2015-2030, PM 10 Point Agenda** and **The National Disaster Management Authority's Guidelines**. The Sendai Framework for Disaster Risk Reduction 2015-2030 represents a major shift in how Disaster Risk Management (DRM) is conceptualized. It focuses on Disaster Risk Management (DRM) rather than Disaster Management (DM), emphasizing the protection of livelihoods as well as saving people and property. The SFDRR 2015-2030 in particular includes a clear commitment to the protection of livelihoods and productive assets. Govt. of India recognized Animals' importance in the National Livestock Policy and the National Policy on Disaster Management 2009. Both include provisions for animals within both Prevention-Mitigation-Preparedness and Response-Recovery measures.

Livestock population has substantially increased in Gujarat which makes it pertinent for the state to devise a strategy for Disaster Risk Management for Livestock. Animal husbandry and dairy business play a vital role in Gujarat's rural economy. There are Veterinary Dispensaries, Mobile Veterinary Dispensaries, First Aid Veterinary Centres, Animal Disease Investigation Offices, Veterinary Polyclinics which provide veterinary and Animal Husbandry services in the State. In addition to District Panchayat, the State Government has the Animal Disease Investigation Office at the District level for diagnosis and surveillance of animal diseases. Veterinary Polyclinics at the District level provides referral services and handles complicated and surgical cases. Keeping the importance of the subject, a Program Development and Review Committee (PDRC) on "**Risk Management and Animal Care - Building Resilience of Livestock & Wildlife**" was formulated with key members like Directorate of Animal Husbandry (DAH) and Anand Agriculture University-Veterinary Emergency Response Unit (AAU(VERU)) and various stakeholders working in this field from across the State. This training has been developed jointly by GIDM-DAH-AAU(VERU), with a balance of field level understanding, knowledge of Disaster Risk Management linking Disasters and Risk Management and Animal Care.

Keeping in view of greater engagements of these forums, GIDM, in association with Directorate of Animal Husbandry (DAH) and Kamdhenu University (VERU), has planned to organize a Training Workshop cum Faculty Development Program (FDP) on “**Disaster Risk Management for Livestock**” from **21-22nd Oct’ 2021**, at GIDM.

B. Rationale

With the advent of Sendai Framework for Disaster Risk Reduction (**SFDRR 2015 – 30**), there has been a paradigm shift from ‘**Managing Disasters**’ to ‘**Disaster Risk Management**’. Along with this, the 2030 Agenda for Sustainable Development (**Sustainable Development Goals**) is steering our world towards sustainable development as an overarching agreement amongst all the nations. GIDM, through its capacity building programs, is fostering the concerted ideology of Risk Informed Planning and Disaster Resilient Sustainable Development.

The **COVID-19** pandemic represents an unprecedented emergency and grave societal threat. It is affecting key sectors that contribute to global food security, nutrition and livelihoods, including the livestock sector. This training also describes the observed and potential impacts of COVID-19 on the livestock sector, based on evidence from the ongoing crisis and past epidemics. It highlights key impacts on animal production, processing, transport, sales and consumption as well as on the poorest and most vulnerable. It also provides examples of country responses as well as policy options for consideration by national policy makers to mitigate the impact of COVID-19 on the sector. Prevention, Mitigation and Preparedness for any probable disaster are essential and proactive steps to deal with any emergency. Each stakeholder needs to develop and enhance its systems, skills and resources to enable the department to perform their respective roles and responsibilities on the onset of the disaster.

GIDM has initiated various capacity building activities on the subject, across the State. Policy makers in local and National Governments, International Organizations and concerned Organizations, must be encouraged to ensure that DRM is pursued in such a way that it reduces Risks to Livestock. This training will help in identifying the first-hand knowledge on the subject and train the participants towards different pedagogies in Teaching-Learning, understanding Basics of Disaster Risk Management along with identifying the relationship between Disasters and role of concerned stakeholders with respect to Risk Management and Animal Care - Building Resilience of Livestock.

C. Objectives

Faculty vitality is the main ingredient to **enhance professional education and competence**. Enriching the faculty vitality in key domains of teaching, assessing, research, professionalism, and administration is perceived to improve educational environment significantly and enhances the performance of participants. Hence, the Faculty Development Programme (FDP) are specific programs designed for faculty members with the aims of developing the pedagogical and research skills of the participants.

The aim of the program is to identify existing knowledge and skills in the State with regard to Prevention, Mitigation, Preparedness, Response and Recovery, keeping the existing practices of Disaster Risk Management for Livestock in the State, so as to develop the long term capacity development plan with reference to Gujarat State. Under this, the following specific objectives will be pursued -

- Understanding Basics of DRM and Terminologies used in DRM;
- To train participants who can perform the tasks necessary to be an effective instructor on the subject;
- Role of Veterinary Doctors (Animal Husbandry Department), Academicians and Scientists from Agriculture Universities, Non-Governmental Organizations (NGOs) and Researchers of Veterinary Sciences/Veterinary Colleges, from across the State, in Building Resilience for Livestock through Risk Management and Animal Care at each stages of Disaster Management Cycle.

Key Words: Master Trainer, Communities, Risk Management, Animals

D. Targeted Participants

The target group for this program will be the **L1** and **L2** level of officials working with DAH, Faculties/Scientists/Researchers/Students working with Agriculture Universities, Veterinarians/Para-veterinarians working with District/Taluka/Gram Panchayat level as well as Zoological Parks, Veterinary Doctors working with Pharmaceutical Companies/Trust/NGOs/Animal Welfare Organizations.

E. DURATION AND VENUE

This program is divided into two sections. The first section will include Introduction to GIDM, sharing existing Practices of Animal Husbandry activities in the State, Understanding Basics of Disaster Risk Management and various associated Terminologies used in DRM field; International, National and State frameworks for DRR and Need Analysis. The second section of

the training will cover the theme Role of Veterinary Doctors, Administrative Staff members and supporting agencies in Building Resilience for Livestock through Disaster Risk Management considering the existing strength of the State level workforce.

F. CERTIFICATE

Participants are expected to be regular in attendance and to observe punctuality. On successful completion of the programme, each participant will be awarded with a *Certificate of Completion* recognized by GIDM, DAH and KU. Selected participants will be empaneled as Resource Persons in GIDM and will be invited to join various capacity building activities of GIDM for DRM.

References

1. Disaster Management Plan 2016, Dept. of Animal Husbandry, Dairying and Fisheries, Ministry of Agriculture and Farmers Welfare, GoI
2. GIDM Classroom based Training Module on DRM for Livestock
3. GIDM Training Module on Understanding Disaster Risk Management (*Gujarati and English version*)
4. All presentations
www.gidm.gujarat.gov.in

Schedule

Day-1, Thursday, 21-Oct-2021

- 10:30 – 11:00 ---Reporting at Venue for Registration---
- 11:00 – 12:00 **Welcome, About GIDM, GIDM portal, Audio-Visual film, 5 hrs e-CCDRM (Gujarati/English), Details about the Course and Basics of DRM**
Dr. Chintan Pathak, APPM, GIDM
- 12:00 – 12:10 **Key Note Address**
Dr. D.B. Patil, Director of Research and Dean, P.G. Studies, Kamdhenu University
- 12:10 – 12:20 **Opening Remarks**
Shri P.K. Taneja, Director General, GIDM
- 12:20 – 12:30 **Vote of Thanks**
Dr. R.K. Patel, Dy. Director, Office of DAH, Gandhinagar
Dr. A.N. Kanani, Dy. Director, Office of DAH, Ahmedabad
Dr. R.S. Joshi, Professor and Head, VERU, KU
- 12:30 – 13:45 **Risks of zoonotic diseases associated with the ongoing pandemic COVID-19 and Role of Veterinarians in Building Resilience for Livestock**
Dr. A.N. Kanani, Dy. Director, I.C.D.P., DAH, Ahmedabad
At the end of the session, Participants will be able to
- *Transmission of infectious diseases*
 - *COVID-19 and its Public Health Significance*
 - *Methods of Prevention and Control of Zoonosis*
 - *Implementation of a zoonosis control programme under Global Disease Elimination and Eradication as Public Health Strategies*
- 13:45 – 14:30 ---Lunch Break---
- 14:30 – 15:30 **Basics of COVID-19 and DRM perspective**
Dr. Abhiyant Tiwari, Asst. Professor, GIDM
At the end of the session, Participants will be able to
- *Basic of COVID-19: Terminology, Origin, Transmission and Impacts*
 - *Do's and Don'ts: COVID appropriate behavior*
 - *Response by India and Gujarat*
 - *COVID-19 Vaccination: Myths and Clarity*
 - *The mitigation strategy for Infection Prevention and Control*
- 15:30 – 15:45 ---Tea/Coffee Break---

- 15:45 – 17:00** **Risk Management for Livestock and Wildlife: Gujarat Context**
Mr. Bharat Pathak, APCCF (Retd.), Forest Department
Dr. Aniket Patel, Veterinary Doctor, GEER Foundation
At the end of this session participants will be able to:
- *Present status and current practices of Animal Husbandry activities*
 - *Institutions involved in Livestock Development activities*
 - *Data Collection and Management: Livestock Census 2021*
 - *DRR and Preparedness Planning*
 - *Scope and Opportunities to Mainstream DRM for Livestock and Wildlife*
 - *Field experience sharing of DRM activities: Gujarat Context*
- 17:00 – 17:30** **---Audio-Visuals on subject and De-briefing of the Day---**

Day-2, 22-Oct-2021

- 10:30 – 11:00** **---Briefing of the Day---**
- 11:00 – 12:00** **Veterinarians and Depiction of Success Stories in Gujarat**
Dr. R.S. Joshi, Professor and Coordinator VERU, Department of Animal Genetics and Breeding, Kamdhenu University
At the end of the session, Participants will be able to
- *Brief overview of role of veterinarian*
 - *Explaining the relevance in Gujarat: Best Practices*
 - *Develop better understanding on roles and responsibilities of all concerned stakeholders including inter-agency coordination*
 - *Experience sharing of COVID-19*
 - *Physical, Chemical and Biological Hazards in Veterinary Occupation and Disposal of Carcasses*
 - *Role of Veterinary Emergency Response Units (VERU)*
- 12:00 – 13:00** **Animal Disease Forecasting & Forewarning**
Dr. Poshak Patel, former Registrar, Gujarat Veterinary Council and Jt. Director of Animal Husbandry
At the end of the session, Participants will be able to
- *Forewarning of Livestock Diseases*
 - *Early warning of disease incidence or outbreaks*
 - *Capacity of prediction of risk of spread to new area*
 - *Case Studies: Disease Forecasting and COVID-19*
- 13:00 – 13:30** **---Lunch Break---**

- 13:30 – 14:30** **Search & Rescue of Animals during Disasters**
Smt. Viral Chaudhary, Veterinary Doctor, 6th Btn, NDRF, Gujarat
(Online)
At the end of this session participants will be able to:
- *Effective Stakeholder Coordination to Protect Lives from Disasters*
 - *Role of Veterinary Institutions in DRM*
 - *Basic Search and Rescue for Animals*
 - *Disaster response for animal rescue operations*
 - *Post Disaster Management & Role of Animal Husbandry*
 - *Experience sharing of Cyclone Tauktae*
- 14:30 – 15:30** **Designing the Course by Participants and Presentation**
Prof. Kamal Chakravartty, former Head, HRDC, CHARUSAT
At the end of the session, Participants will be able to
- *Teaching-Learning Pedagogies: Core Conceptual Framework*
 - *Methodologies and Strategies for Effective Communication*
 - *Designing Courses/Programs: Common Challenges, Lesson Planning, Classroom Management, Group Exercises*
 - *Promotion and Support use of Technology for Capacity Development*
 - *Bring out change at System level*
- 15:30 – 15:45 ---Tea/Coffee Break---
- 15:45 – 17:00** **Designing the Course by Participants and Presentation**
Dr. Chintan Pathak, APPM, GIDM
At the end of the session, Participants will be able to
- *Discussion on the framework of ToTs and Action Plan*
 - *Analyzing issues and challenges in implementation/disseminating the knowledge about the subject across all the concerned stakeholders*
 - *Planning to conduct such training(s) at respective locations*
 - *Presentation by Participants (5 min each)*
- 17:00 – 17:45** **Post-test, Course Evaluation and Conclusion**
Shri Nisarg Dave, Director (DM), GIDM
Dr. D.B. Patil, Director of Research, Kamdhenu University
Dr. R.K. Patel, Dy. Director, Directorate of Animal Husbandry
Dr. R.S. Joshi, Professor, KU (VERU)
Dr. Chintan Pathak, APPM, GIDM