



**DISASTER MANAGEMENT  
PLAN-2020  
OF  
THE DIRECTORATE OF  
ANIMAL HUSBANDRY  
&  
VETERINARY SERVICES,  
GOVERNMENT OF GOA**

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## **Scope and Objectives of Plan**

Under the Section 39 and 40 of National Disaster Management Act 2005, it is mandatory on the part of Department of the State Government, to adopt a continuous and integrated process of planning, organizing, coordinating and implementing measures which are necessary and expedient for prevention as well as mitigation of disasters.

The document is in line with the National Livestock Policy 2013 and NDMA Guidelines on Biological Disaster Management 2008, which also prescribes the suggestive framework.



# **GOAL AND PURPOSE OF THE PLAN**

- ❑ To make Goa Disaster Resilient State so as to minimise livestock, property and environmental loses.**
- ❑ To respond promptly in a coordinated manner.**

# DISASTER PREPAREDNESS

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- ❑ Development of local warning and evolving local response structures.
- ❑ Administrative preparedness by way of stockpiling of supplies, plans for rescue and relief.
  - Stocking of TMR Blocks.
  - Stocking of Vit. and Mineral supplements.
  - Conservation of monsoon grasses.
  - Routine and emergency vac. of animals.
  - Compensation for loss of livestock.
  - SOP for disposal of Dead Animal Carcass.

## **History of vulnerability**

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The major disaster seen in the livestock of the State since 2011 till date, was outbreak of Foot and Mouth Disease (FMD) inspite of vaccination. The outbreak was seen mainly due to virus mutation. Migrating population from neighbouring states and the population of wild boar in the forest also acted as a source of infection. Though the outbreaks happened in all seasons, they were more prominent during summer. In most of the cases, virus was not recovered, but in few cases the reports have come positive from WRDDL, Pune and PDFMD, Mukteshwar. In the year 2014-15 and 2016-17, no outbreaks of FMD were seen.

In the past some incidence of fodder poisoning happened in Pernem, Bardez and Bicholim with very low mortality. Also, KFD outbreak was seen in the taluka of Sattari, Bicholim and Ponda in Humans and monkey population.

In recent years, flooding in the low lying areas of talukas like Pernem, Bardez, and Bicholim is witnessed. This occurs mainly when the dam waters are released to control the water levels during heavy rains.

No major casualties were reported in livestock except damage to the dairy equipments and spoilage of feed and fodder.



# STANDARD OPERATING PROCEDURES (SOP)

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## Normal time activities

- Mapping of Vet. Estb., Inventory of Stores.
- Storage of medicines, vaccines, Feed & Fodder etc.
- Farmers Livestock Data under INAP.
- Appointment of Nodal Officers.
- List of NGOs, Volunteers, Animal Rescuers.
- Surveillance for early detection of outbreaks.
- Digitization of records.
- Earmark highlands for use of shelter for livestock.



# ON RECEIVING THE WARNING

- Immediately contact the District Control Room.
- Ensure Staff on Duty at HQ.
- Assign work to subordinate Officers with active participation of NGOs, Rescuers, AWOs etc.

This will facilitate to assist local governing bodies for relocation/rehabilitation of animal in distress with consent of owner, first aid and timely attention. It will also help in publicity and extension activity.

- Coordination with Revenue Dept/PWD for provision of temporary shelters on identified sites.
- Local Community and NGOs to provide water and feed for animals initially.
- Provision of vehicles for transport of animals.
- Isolation of infected animals.
- In flood prone areas, animals are to be shifted in advance to higher altitudes with the help of local volunteers.
- Initial assessment – Mortality, Morbidity, vaccination and Mapping.

# POST DISASTER ACTIVITIES

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- Arrange a rapid survey to assess the loss.
- Carry out search and rescue works.
- Deploy available resources to manage the disaster.
- Restarting of milk collection activity.
- To treat the injured cattle & disposal of carcasses as per SOP.
- Contact higher authorities for restoration of cattle related activities.
- Animal Health check up camps in every village to reduce probability of outbreaks.

# STANDARDS OF CATTLE CAMPS

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- Located at suitable sites with adequate supply of water and shade.
- Min. area of 24 sq.ft per large animal.
- Suitable arrangement for water trough and supervisors.
- Located in areas of good road network connectivity not beyond radius of 8 km from affected village.
- Each cattle will require 4 – 5 kg of dry fodder, 10 – 15 kg green fodder & 1.5 – 2 kg conc.

(As far as possible the animal camps should be near human relief camps so that owners can take care of their animals and manage them better.)



# INTER DEPARTMENTAL SUPPORT

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1	Revenue department	Administrative directives	In case of disease outbreak.
2	Police/Security forces	Monitoring at the Border Check Post	Outbreak of disease in neighboring states
3	Public works department	Infrastructure Development and providing water facility	Shortage of Water and disruption of transportation system.
4	Directorate of Health Services	Preventive health measures for public in case of zoonotic diseases	In case of disease outbreak like avian influenza, KFD, etc.
5	Emergency & Fire services	Burrying of carcasses and large scale disinfection.	In case of large scale fatalities in livestock.

# **COMMUNITY PARTICIPATION AND MASS MOBILIZATION OF RESOURCES**

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- Department will ensure close coordination between various Departments involved in DM.
- Participation of local people, NGOs, Goshalas, AWOs, SHGs and PRI in implementation of DM Plan.
- Simplification of Procedures for release of assistance in case of emergency.

# Annexure:

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**THANK YOU**

