

**GOVERNMENT OF NAGALAND
HOME DEPARTMENT
NAGALAND STATE DISASTER MANAGEMENT AUTHORITY
NAGALAND: KOHIMA**

QUATERLY REPORT OF THE NSDMA FROM OCTOBER 2019 – MARCH 2020

1. CAPACITY BUILDING PROGRAMME

Capacity building programme for upcoming NEPEX held at ATI. Brig. Vinod Dutta, Sr. Advisor and visiting faculty Centre for Disaster Management studies, IP University, Delhi & Former Secretary defense crisis management group (DM), MoD and Col. Sanjay Srivastava, Convener, Lightening Resilient India Campaign, Chairman Climate Resilient Observing system Promotion Council (CROPC) were invited as resource person. Officials from line departments were all invited for the programme.



2. LAUNCHING OF NSDMA WEBSITE

NSDMA Advisor Shri Kazheto Kinimi launched the NSDMA website (nsdma.nagaland.gov.in) on the 24th of October 2019, during the Capacity Development Programme at ATI Kohima.



3. SIGNING OF MOU BETWEEN NAGALAND STATE DISASTER MANAGEMENT AUTHORITY (NSDMA) AND CLIMATE RESILIENT OBSERVING SYSTEMS PROMOTION COUNCIL (CROPC)

A MoU was signed between Nagaland State Disaster Management Authority (NSDMA) and Climate Resilient Observing Systems Promotion Council (CROPC) on the 25th of October 2019 in the office chamber of Secretary NSDMA. The Memorandum represents a Framework of Cooperation between NSDMA and CROPC specifically on Joint Training Services, Strengthening Training Capacity, Joint Research Activity, Documentation and Case Study, Consultancy/ Advisory Services on Risk Management of Extreme Weather Phenomenon.



4. INTER-AGENCY GROUP MEETING

The meeting of Inter-Agency Group (IAG) with Sphere India represented by various NGOs and government line department organized by IAG Nagaland was convened on 25th of October 2019 in the Secretariat Conference Hall, Kohima under the chairmanship of Secretary NSDMA. The meeting was held to share good practices and lesson learned from other existing IAG and also strengthen the partnership between IAG Nagaland and Sphere India.



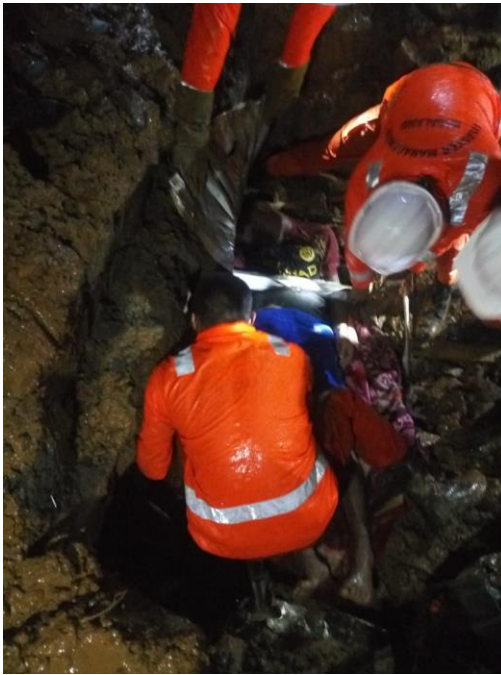
5. RESPONDING TO DISASTER

On October 27th 2019, the cyclonic circulation over West Assam area in lower levels of the atmosphere and moisture incursion over the Bay of Bengal caused thunderstorm accompanied with lightening over the North East India. As per Nagaland weather system, Nagaland received a total rainfall of 809.75 mm during the last 36 hours (00:00 Hours as of 26th October to 12:00 Hours of 27th October 2019).

Low lying areas under Dimapur District were flooded causing huge damage to residential setups, crops and animal husbandry. In Dimapur, due to the torrential rainfall especially in the catchment areas uphill, 18 villages were severely flooded and many houses were submerged underwater. The DDMA Dimapur with support from SDRF Home Guard & Civil Defense Dimapur, Paramilitary (5th AR) have carried out Search & Rescue Operation across the affected villages of the district. The Search & Rescue team of the SDRF Home Guard & Civil Defense have rescued 131 people from 3 different locations in Dimapur and retrieved one dead body of a woman below New Dansiri Bridge



The DDMA Phek also reported that due to incessant rain, a retaining wall was collapsed at New Colony Phek Town and two (2) person were injured and one (1) dead body which was retrieved by the SDRF Home Guard & Civil Defense on the night of 26th October 2019 at 10:30 PM.



6. TRAINING ON DRONE USAGE:

The NSDMA organized a Drone training for all its staff from 11th – 14th Nov, 2019 at De Oriental Grande, Kohima. The Resource persons for the training were Dr. Ruchi Saxena, Mr. Karthik, Dr. Patrick P. Meier and Mr. Darpan Pudasaini.

Drones can be used to provide safety, protection and relief from disasters. Natural and man-made disasters destroy environments, often making conditions so difficult that relief workers are unable to access areas and provide assistance. Drones have the ability to take on roles where relief workers and manned vehicles fall short.

The Need for Mapping

Areas that are prone to large-scale disasters such as earthquakes and flooding benefit greatly from visual imaging and 3D mapping. Manned aircraft are often too expensive to use, satellite mapping does not meet high-resolution needs, and both take too much time during emergency situations.

The use of drones to map disaster areas provides greater advantages in costs and in rapid response times when compared to traditional methods. Drones can be deployed quickly, generate high-resolution and 3D mapping, identify hotspot areas that have sustained the most damage and upload the data in real time to coordinate relief efforts.

In the aftermath of the 2015 Nepal earthquake, drones assisted in creating 3D maps and models through image processing software. These aided in assessing the widespread damage, operating search and evacuation missions, reconstructing buildings and preserving areas of the city.

Assessing Structural Damage

Relief workers often find it difficult and dangerous to assess structural damage from natural disasters. They often encounter buildings that are on the verge of collapsing, potential explosions due to chemical leaks and places that are hard to access such as tunnels and bridges.

Delivering Emergency Infrastructures and Supplies

Often after natural disaster, infrastructure supply lines are cut and disabled. When roads, bridges, communication cables and gas and water lines are compromised, the safety of residents in the area is also compromised. To mitigate suffering and further damage, rescue teams can utilize drones to support infrastructures, deliver supplies and establish communication.



7. TABLE TOP EXERCISE ON INCIDENT RESPONSE SYSTEM CONDUCTED:

A Table-top Exercise in preparation of the Nagaland Emergency Preparedness Exercise was conducted on the 20th of November 2019 at ATI, Kohima. Brig. Kuldip Singh, Senior Specialist (Ops) NDMA was the main resource person for the training. The program was attended by nodal officers of the NSDMA from all line departments.



8. NAGALAND EMERGENCY PREPAREDNESS EXERCISE (NEPEX) CONDUCTED:

Nagaland State Emergency Preparedness Exercise (NEPEX) is a State wide emergency exercise of Nagaland State Disaster Management Authority (NSDMA) Home Department.. The Nagaland State Disaster Management Authority (NSDMA), Home Department conducted Nagaland Emergency Preparedness Exercise (NEPEX), a mega mock drill on the 21st November 2019. Similarly, all the District Disaster Management Authorities (DDMAs) also conducted table top conference at the district levels on the same day. The NEPEX was conducted simulating an extreme weather condition which cuts off all communication and essential goods. The NEPEX is conducted annually to test the preparedness level of the State machinery in handling any kinds of disasters.

The objective of NEPEX is to:

- Qualify the capability of the state in responding to an event of any disaster.
- Develop and strengthening of awareness, preparedness, response and recovery plan.
- Capacity Building of Emergency Support Function (ESF) and practise of Standard Operation Procedure (SOP).
- Create awareness among multi stake holders about disaster and its impact.
- Build linkage and coordination among multi stake holders in responding to disasters and disaster risk reduction initiative.



9. VISIT OF INTER- MINISTERIAL CENTRAL TEAM (IMCT):

An IMCT team headed by Shri Ramesh Kumar Ganta, Joint Secretary (A) NDMA, Sh. Deena Nath, Consultant (FCD) Department of Expenditure Ministry of Finance, Narender Kumar, Director Department of Agriculture, Cooperation & Farmers Welfare, DJD, Kolkata, S.S. Modi, Deputy Secretary, Ministry of Rural Development, Abishek Agarwal, Executive Engineer, Ministry of Road Transport & Highways, Regional Office, Guwahati. The team visited the State from 27th November- 1st December 2019 for on-the-spot assessment of damages caused by the 2019 monsoon. The team visited the districts of Dimapur, Kohima, Wokha and Mokokchung and took stock of the monsoon damages.





10. MITHUN CARAVAN:

Mithun Caravan is an adopted version of the Japanese Iza Kaeru Caravan by the Nagaland State Disaster Management Authority (NSDMA), Home Department. Mithun caravan is a disaster prevention education event. In this even children learn about disaster prevention while playing with families and friends. Mithun Caravan has been introduced aiming students at class 3-4.

Mithun Caravan is played to enhance the capacity of the children through some interesting set of games. This is to understand the concept of Disaster Risk Reduction by making disaster prevention activities more familiar and more enjoyable.

The Social Empowerment Organization (SOE) in collaboration with Nagaland State Disaster Management Authority (NSDMA) and District Disaster Management Authority (DDMA) conduct the Mithun Caravan district wise. The Mithun Caravan has been conducted in seven (7) districts between the period October 2019 to March 2020.

