

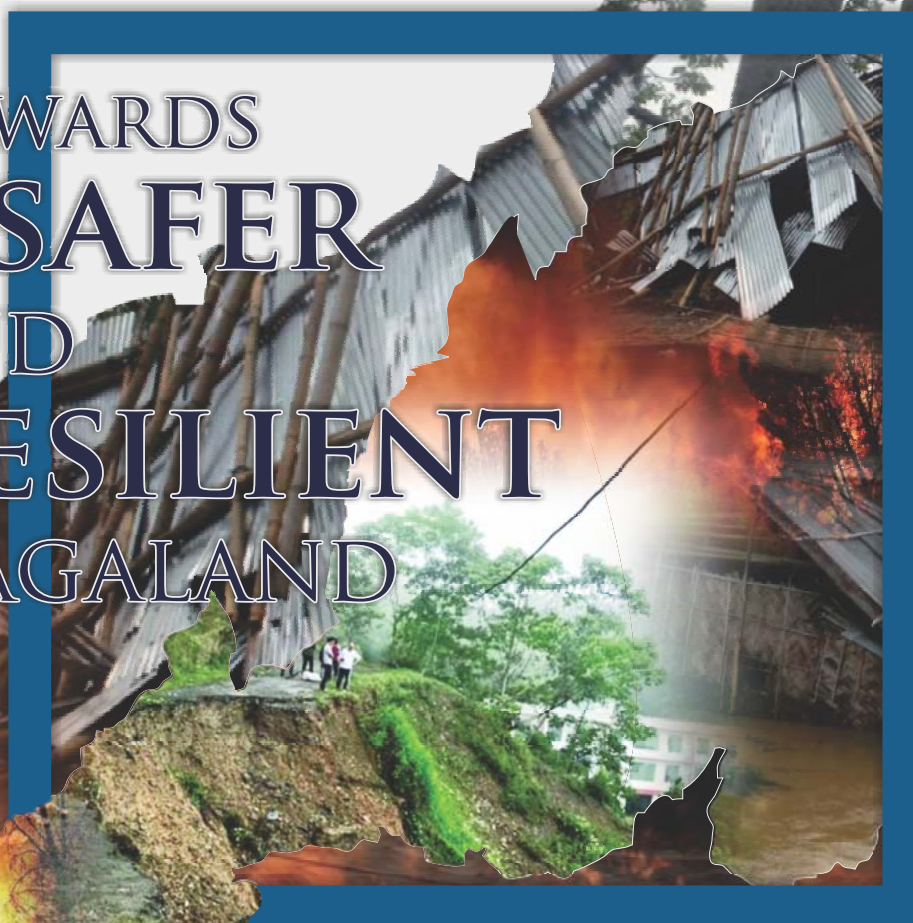


ACTIVITY REPORT OF THE NAGALAND STATE DISASTER MANAGEMENT AUTHORITY HOME DEPARTMENT



February 2016 – September 2018

TOWARDS
A SAFER
AND
RESILIENT
NAGALAND



ACTIVITY REPORT

DISASTER MANAGEMENT

LANDSLIDE SAFETY TIPS

SAFETY MEASURES BEFORE LANDSLIDE

- Always be watchful on hill roads and try to note features like cracks on road surface and slopes
- Do not build house near steep slopes, close to mountain edges, near drains or natural water outlets
- Construct embankment on high gradient slopes

SAFETY MEASURES DURING LANDSLIDE

- Be alert during heavy rainfall and continuous damp weather
- Listen for any unusual sound that might indicate moving debris, trees cracking or rolling boulders (large stones)
- Be alert when there is a sudden increase in volume of water in streams and a marked transformation from clear to muddy water

WHAT TO DO IF YOU SUSPECT IMMINENT LANDSLIDE

- Alert local authorities
- Informing people around you about the potential threat may help save many lives
- Evacuation or getting out of the path of landslide or debris flow is the best protection
- Make yourself less vulnerable and protect your head if escaping is not possible

**PREPARE AND PREVENT**

IN CASE OF EMERGENCY CALL

STATE EMERGENCY OPERATION CENTRE 1070





CONTENT OF INDEX

	Page
● Report of Activities from Feb. 2016-Dec. 2017	1-15
● Report of Nagaland Emergency Preparedness Exercise (NEPEX)	16-22
● Report of Community First Responder (CFR)	23-26
● Report of Activities from Jan. 2018 - Sept. 2018	27-45
● Special Feature: Seismic Resilience	46

ACTIVITY REPORT

Workshop on Disaster Management

A Seminar cum Workshop on Disaster Management was conducted at KROS College in collaboration with SDRF Kohima on the 19th February 2016. The resource persons for the program were: Mr. Kekhriezavi Lea, Geologist, Mr. L. Jonjibemo Odyuo (SRRO), Mrs. Khrolo-u Koza Lohe (STCBO), Civil Defence & Home Guards Department



Familiarization Exercise by NDRF at Wokha & Zunheboto from 12th - 22nd April, 2016



Zunheboto: 18th - 22nd April 2016

ASSISTANCE AND DISASTER RELIEF (HADR) SEMINAR FOR NORTH EASTERN REGION HUMANITARIAN:

This was an Indian Air Force (IAF) initiative, the training was held on 28th and 29th February 2016 at HQ EAC Upper Shillong. Topics covered during the training included IAF in HARD - A Review, HARD in Remote Location & National Security; North Eastern Region and Understanding the National Security.

Participants from NSDMA included Mrs. Khrolo-u Koza Lohe (STCBO) and Mr. L. Jonjibemo Odyuo (SRRO).



Wokha: 12th - 16th April 2016

Bishop Abraham Memorial Volleyball Tournament, Nagaland Catholic Youth Movement

The NSDMA conducted an awareness program at Bishop Abraham Memorial Volleyball Tournament on the 22nd - 24th April 2016 at Dimapur. Resource persons for the program were Mrs. Keren Rose (SMO) and Mrs. Khrolo-u Koza Lohe (STCBO)



CUMULATIVE DISASTER INCIDENTS REPORTS IN NAGALAND 18TH APRIL TO 3RD MAY 2016

A depression which formed over the Bay of Bengal lead to heavy rainfall in the districts of Nagaland and other North Eastern states of India on 18th April 2016 triggering hailstorm/ thunderstorm that damaged houses, crop land, electricity outages and disrupted communication in the region. The Monsoon depression caused huge rainfall across the North Eastern region.

Incessant rainfall and thunderstorms created havoc all over the State in Nagaland. Thunderstorm and cloudburst

affected the districts of Zunheboto, Mokokchung, Mon, Longleng, Wokha, Kohima and Dimapur. The worst affected during this thunderstorm were Zunheboto, Mokokchung, Mon and Longleng. A large number of houses, electrical poles and National/State Highways were damaged by the thunderstorm/cloudburst which occurred between 18th April to 3rd May 2016. An executive summary of the incidents as reported by the District Management Authorities and the NSDMA teams who were stationed at the affected districts are mentioned below:

a) **ZUNHEBOTO DISTRICT:**

Following the incessant monsoon rain and hailstorm on the 19th April 2016, many area of Zunheboto district experienced landslide causing damage to scores of houses, roads, bridges, cultivation area and paddy/terrace fields. Thousands of livestock also perished and many people also got injured. The unusual hailstorms at Suruhoto damaged a total of 671 houses besides badly affecting 30 hectares of crops.

Item Damages	Extent of Damage	Immediate Relief sanctioned by NSDMA
Kutcha Houses	671	Rs. 39,58900/-
Crop Farms	30 Hectares	

ACTIVITY REPORT

b) MOKOKCHUNG:

The incessant rains and windstorms/ cloudburst caused flash floods at Tuli Sub-division and Tzukidong Sub-division of Mokokchung district on the 21st April 2016. The flash flood damaged 15 kutcha houses, 28 pucca houses, 9.7 hectares of agri/horti fields, 13 numbers of village water pumps, 3 retaining walls, 5.95 hectares of vegetable farm, 15.65 hectares of banana farm. A total of 71 families were affected by the flash floods.

On the 1st of May 2016, hailstorms and windstorms occurred all over the district of Mokokchung and 40 villages were affected. The incident caused damage to 1382 houses of which were 283 kutcha houses were completely damaged, 280 kutcha house were severely damaged and 746 kutcha house were partially damaged. The hailstorm also destroyed 71 electric poles, 50 embankments, 1 BSNL tower, 1 water reservoir, 1 Angawadi centre besides many community assets.

Item Damage	Extent of Damage	Immediate Relief sanctioned by NSDMA
Partially damage kutcha houses	761	Rs. 72,90,800/-
Severely damage kutcha houses	280	
Fully damage kutcha houses	283	
Pucca houses	28	
Agri/Horti field	9.7 hectares	
Village water pumps	13	
Retaining wall	3	
Plantation, banana farm and vegetable farms	25.5 hectares	



A Car damaged during the storm in Mokokchung District

ACTIVITY REPORT

c) **LONGLENG:**

On the 29th April 2016, cloudburst and heavy hailstorm affected the district of Longleng. It affected all the Sub-divisions in the district and many villages and houses were destroyed. As per the report filed by the District Disaster Management Authority and the team of NSDMA, the following are the extent of damages caused by the hailstorm incident:

The incident affected 34 villages from five circle namely: Yachem, Sakshi, Yongnyah, Sardar and Longleng. Altogether 342 partially damage kutcha houses, 245 severely damage houses and 56 fully damage houses.

Summary of impacts in the most affected districts and relief extended by NSDMA

Item Damaged	Extent of Damage	Immediate Relief sanctioned by NSDMA
Partially damage kutcha houses	342	Rs. 23,48,700/-
Severely damage kutcha houses	245	
Fully damage kutcha houses	56	

d) **KOHIMA & DIMAPUR DISTRICT:**

On the 29th April 2016, thunderstorms and windstorms were also experienced in Kohima and Dimapur and also other sub-divisions of the districts but no major damages were reported.

e) **MON**

There was significant damage to houses, roads, infrastructure, power lines, schools and paddy fields in several pockets of the district. In many places, embankments were broken or damaged. Large areas of paddy fields and vegetable crops were also damaged. Crops planted at higher altitudes were totally damaged due to landslides.

Items Damage	Extent of Damage	Immediate Relief sanctioned by NSDMA
Partially damaged kutcha houses	333	Rs. 45,07,600/-
Severely damaged kutcha house	208	
Fully damaged kutcha houses	54	
Severely damaged pucca houses	3	
Fully damaged pucca houses	16	
Damaged assessment for the other sector is being conducted		

ACTIVITY REPORT

f) WOKHA:

Preliminary report in respect of Wokha District

Items	Location	Extent of Damage
GHS	Ralan	3 building completely damaged
GPS	Lio Longidang	Completely damaged
Houses	Lio Longidang	28 houses (partially), 8 houses (severely), 2 electric light post damaged
Houses	New Tssori	15 houses (severely), 4 houses (partially)
Houses	Old Tssori	9 houses (severely), 3 houses (partially)
Houses	Longtssuri	11 houses (severely), 3 houses (partially)
Houses	Old Wozhu	2 houses (severely)
Houses	New Wozhu	2 houses (severely)
Houses	Changpang	8 houses (severely), 4 houses (partially)
Houses	Lakhuti	1 house (severely)
Border Magistrate Rest House	Merapani	Completely damaged
Houses	Old Riphyim	7 houses (severely)
Houses	Yikhum	2 houses (severely)
Houses	Baghty	30 houses (severely), 10 houses (partially)
Houses	Sanis Town	14 houses (partially), 5 houses (severely), Baptist English School completely damaged
Houses	Tsopo village	Community Hall completely damaged, GPS completely damaged
Houses	Yonchucho	2 houses (severely)
Houses	N. Longidang	5 houses (severely), 8 houses (partially)
Houses	Pangti	35 houses (severely), 7 houses (partially), Minor damage of Rubber plantation and Farms under Bhandari and Sanis, DUDA Office Wokha-Roof (severely)
Houses	Yankeli	3 houses (severely)
Houses	Aree Old	6 houses (severely)
Houses	Aasha village	3 houses (severely)
Houses	Yanthanro	2 houses (severely)
Houses	Okotso	13 houses (severely)



Properties damaged by the hail storm in Mokokchung District



ACTIVITY REPORT

**PREPAREDNESS PLAN OF NAGALAND STATE DISASTER MANAGEMENT AUTHORITY
FOR THUNDERSTORM RELATED DISASTERS:**

The NSDMA with the available resources and manpower has planned the following for mitigation and disaster risk reduction:-

1. The NSDMA has set up automated weather station in all the eleven (11) districts for weather forecast which can be used for extreme weather warning to District Disaster Management Authorities.
2. The NSDMA keeps close coordination with the District Disaster Management Authorities, State Disaster Response Force (SDRF) and other line departments for response of any emergencies.
3. A monsoon preparedness coordination meeting will be held in the month of May every year, which will be chaired by the Hon'ble Chief Minister or Chief Secretary along with the line departments.

4. Immediate relief will also be placed with the District Disaster Management Authority for immediate response.

5. Sensitization of the public on the extreme weather conditions as per the report/data of Indian Metrological Department and NSDMA weather station forecast.

6. Setting up of 24x7 District Emergency Operation Center by State Disaster Response Force with basic communication tools such as VHF and VH with landline telephone connection.

7. Activation of SDRF as back-up and stand-by communication system during emergency.

CONCLUSION:

The preliminary assessment of the situation after the heavy hailstorms and thunder-storms in Nagaland shows that the extent of damage is huge particularly in few districts due to poor condition of the houses, lack of early warning system and weather forecast. Though there is no casualty reported but many people were displaced and now living in either marooned condition or shifted to temporary places. Many houses, crops land damaged, embankment broken in several places. In this situation affected people need support immediately.



EMERGENCY RESTORATION WORKS UNDER NATIONAL DISASTER RESPONSE FUND (NDRF)

CHUMUKEDIMA

Construction of RCC Box Culvert, CRSM Retaining wall, CC drain.



Figure 1: Hume pipe culvert at Chumukedima



Figure 2: RCC Box Culvert at Chumukedima

CHUNGZIA, MOKOKCHUNG

Construction of CRSM Retaining wall.



Figure 3: CRSM Retaining wall at Chungzia, Mokokchung

MON TOWN

Construction of CRSM Retaining wall.



Figure 4: CRSM Retaining wall and providing of Hume pipe culvert at Mon Town

ACTIVITY REPORT

NST COLONY, WOKHA

Construction of CRSM Retaining wall



Figure 5: CRSM Retaining wall at NST Colony, Wokha

NEW PEREN

Construction of CRSM Retaining wall



Figure 6 : CRSM Retaining wall at New Peren

LOWER AG, KOHIMA

Construction of Composite Retaining wall.



Figure 7 : RCC Composite Retaining wall at Lower AG, Kohima

WOKHA-BOKAJAN ROAD

Construction of CRSM Retaining wall



Figure 8 : CRSM Retaining wall at Wokha-Bokajan

BOKAJAN ROAD WOKHA



Figure 9: CRSM Retaining wall constructed by NDRF at Wokha-Bokajan Road Wokha-Bokajan Road

PFUCHAMA , KOHIMA



Figure 10: CRSM Retaining wall constructed by NDRF at Pfuchama, Kohima

ACTIVITY REPORT

**ONE DAY TRAINING PROGRAMME
on ward level disaster preparedness and planning held on 27th May 2016**

The Kohima Municipal Council (KMC) in collaboration with the Nagaland State Disaster Management Authority (NSDMA), Home Department organized a one day training programme on disaster management. This was held on the 27th May at the KMC conference hall.

Speaking during the programme the Secretary NSDMA, Khrienuo Metha said that Disaster Management Committees will be notified soon to empower municipal councils for effective response to disaster and to take up mitigation activities.

During the training, Khrolou Koza, State Training & Capacity Building Officer, NSDMA presented a PPT on the need for community participation in disaster risk reduction. Shri Johnny Ruangmei, OSD NSDMA oriented the ward members on ward level disaster preparedness planning.

During the training, intensive group work and discussions were undertaken on ward level disaster preparedness planning. As an outcome of the one day workshop on community/Municipal disaster preparedness planning, the Kohima Municipal Committee will be undertaking the ward level disaster preparedness planning. The NSDMA also committed to extend 'hand-hold' support to KMC in the initiative of municipal ward level planning and other necessary trainings.

Later personnel from the State Disaster Response Force (SDRF) drawn from the CD&HG gave demonstrations on how to conduct search & rescue, basic first aid etc. The training programme was attended by representatives from all the 19 wards of Kohima Municipal Council. The programme was chaired by the Administrator KMC Kovi Meyase.



ACTIVITY REPORT

Familiarization Programme on “NDEM Services for Disaster Management”

Venue : National Remote Sensing Centre (NRSC)
Conference Hall, Balanagar, Hyderabad
Date : 31st May 2016

National Database Emergency Management (NDEM) is conceived as a GIS based repository of data to support disaster emergency management in the country. The Committee of Secretaries in the National level entrusted the task of designing, implementing and operationalizing NDEM to ISRO, NRSC for Ministry of Home Affairs. It consists of multi-scale database along with decision support tools which help disaster managers in decision making for managing emergency situations at various levels. NDEM is established essentially to serve as a national repository of database for emergency disaster management.

The programme was organized mainly to familiarize the State Officials with the upgraded portal NDEM 2.0 version and the introduction of NDEM Mobile App on Android platform.

An objective of lunching NDEM and Portal products and services was presented by Mr. V. Bhanumurthy, Group Director, Disaster Management Support Group (DMSG). Demonstration of NDEM Database Service & Decision Support Tools (DSS) was demonstrated by NDEM Team.

The main objectives were:

1. Real time monitoring for Cyclone and Flood.
2. Specific request
3. VSAT activities
4. NDEM
5. R&D
6. Hydro meteorological network
7. Capacity building
8. User interaction and international Association

These objectives would be disseminated through Decision Support Center in a single window system. Support can be availed based on seasonal monitoring like flood and forest fire and event based on cyclone, landslide, earthquake etc. (Damage assessment and hazard zonation)

School awareness programme on Disaster management held at Hollotoli Higher Secondary School Dimapur.

The Nagaland State Disaster Management Authority (NSDMA), Home Department held a one day school awareness programme at Hollotoli Higher Secondary School Dimapur on the 20th May.

Resource persons for the programme included Mrs. Khrolo-u Koza and Mrs. Keren Rose who spoke on the topics Disaster Management Plan for schools, Do's and Don'ts on earthquake, fire and Structure of NSDMA. Thungbemo Patton, EAC Chumukedima attended the programme on behalf of the District Disaster Management Authority. Demonstration on basic first aid was conducted by personnel from the Civil Defence & Home Guards. The personnel also surveyed the school building and identified 'safe zones' and 'exit routes' for the school. Later an evacuation drill on earthquake was also conducted. Pamphlets and other IEC materials were also distributed during the programme.



Disaster Risk Reduction Workshop

The Nagaland State Disaster Management Authority (NSDMA), Home Department in collaboration with the Sustainable Development Forum Nagaland (SNFN), Integrated Mountain Initiative (IMI) and North East Centre for Technology Application & Research (NECTAR) has organized a two day workshop on Disaster Risk Reduction (DRR) at Capital Convention Hall, Kohima on the 7th and 8th of July 2016. Sustainable Development Forum Nagaland (SDFN) – is a registered not-for-profit forum where the Naga civil society, academia, entrepreneurs, government and the media collectively discuss and work in facilitating the state towards a sustainable development pathway. The SDFN aims to facilitate dialogues, research and grass root planning so as to help in modeling the policies towards ensuring sustainable development. The North East Centre for Technology Application and Research (NECTAR) was

set up in 2012 as an autonomous society under Department of Science and Technology to assist the North-Eastern region of the country. NECTAR ensures application of appropriate technologies for development in the areas of biodiversity, watershed management, telemedicine, horticulture, infrastructure planning and development, planning and monitoring, tele-schooling using cutting edge MESHNET solution, employment generation, etc. through utilization of local products/ resources and resulting in associated skill development.

The Hon'ble Chief Minister Shri. T.R Zeliang has graced the opening ceremony of the DRR workshop as the Chief Guest. The Chief Secretary Shri. Pankaj Kumar chaired the programme.



Chief Minister, Shri T.R Zeliang



Chief Secretary, Shri Pankaj Kumar



MP Lok Sabha, PD Rai

The objectives of the two days' workshop on DRR is to bring about pragmatic Plans and Policies for Nagaland and to strategize various measures to build a resilient Nagaland. The NSDMA and the SDFN has sought participation and intellectual contribution from all the departments during the workshop. The DRR workshop enabled the participants through many presentations and panel discussions to understand the emerging pertinent issues of disaster risk reduction and climatic change adaption are issues which were important and have not only national, but international ramifications too. Keeping in mind the objective of the Hygo framework for action and the Sendai framework on Disaster Risk Reduction, the NSDMA has a vision to build a culture of safety and resilience at all levels incorporating enhanced disaster management system.

The two day workshop also saw intensive group discussions and thematic/ session on topics like 'Opportunities for community centered DRR strategies in Nagaland', Data information and knowledge information for DRR, Standard Operating Procedure (SOP) for departments and agencies vis-à-vis DRR, Emergency mass disaster response strategy, etc.

ACTIVITY REPORT

NSDMA Staff trained on DM

The NSDMA, Home Department conducted an in-house training on disaster management for its officers and staff at CTI, Toluvi, Dimapur from 26th - 30th July 2016 and second batch from 2nd to 6th August 2016. Seen in the picture is some of the staff with instructors from the CD&HG.

1ST BATCH



2ND BATCH



National training programme on control measures for landslide

National training programme on control measures for landslide

18-22 July 2016 At Roorkee, Uttrakhand

Participants:

1. Kekhriezavi Lea
2. Khrolou Lohe
3. Jonjibemo Odyuo
4. Thejangulie Zao



DDMA MEETING WOKHA 9TH AUGUST 2016



DDMA MEETING ZUNHEBOTO 12TH AUGUST 2016



ACTIVITY REPORT

CBDRR Training 10 Oct- 19 Nov 2016 Japan

Representatives from NSDMA

1. Jonjibemo Odyuo
2. Thejangulie Zao



Flagging-off of Customized Rescue Operation Vehicle (CROV) provided by the Nagaland State Disaster Management Authority (NSDMA)

On occasion of the 70th Independence Day, Chief Minister Shri. T.R. Zeliang flagged-off eight Customized Rescue Operation Vehicle (CROV) provided by the Nagaland State Disaster Management Authority (NSDMA) under Home Department at the Secretariat Plaza.

Home department officials said that the state government

was committed in its efforts to continually augment its disaster response capabilities.

The Customized Rescue Operation Vehicle (CROV) would be placed at strategic locations in the state and these vehicle would be used for recovery and rescue operations during emergency and also to create awareness on disaster management in the villages.



ACTIVITY REPORT**NSDMA PARTICIPATES IN THE ASIAN MINISTERIAL CONFERENCE ON DISASTER RISK REDUCTION 2016**

The NSDMA participated in the AMCDRR held at New Delhi from the 2nd to 5th November 2016 by opening a stall at the display area. Two officers were deputed for the program namely Smt. Keren Rose Koza, Media Officer and Shri Rendemo Shitio, State Emergency Response Officer.

NSDMA PARTNERS WITH BASN FOR BRAND AMBASSADOR

The NSDMA roped in the Beauty and Aesthetics Society of Nagaland to engage the Miss Nagaland 2017 as brand ambassador for disaster management. The objective of this venture was to promote a culture of safety in the community, to create awareness about Disaster Risk Reduction in educational institutions, to educate beauty contestants about the importance of Disaster Risk Reduction and to advocate care for creation and to preserve it for the future generations. In line with this the NSDMA also conducted a one day training for the contestants on first aid and search & rescue techniques.



NSDMA OFFICIALS DEMONSTRATING DIFFERENT TYPES OF BANDAGING

ACTIVITY REPORT

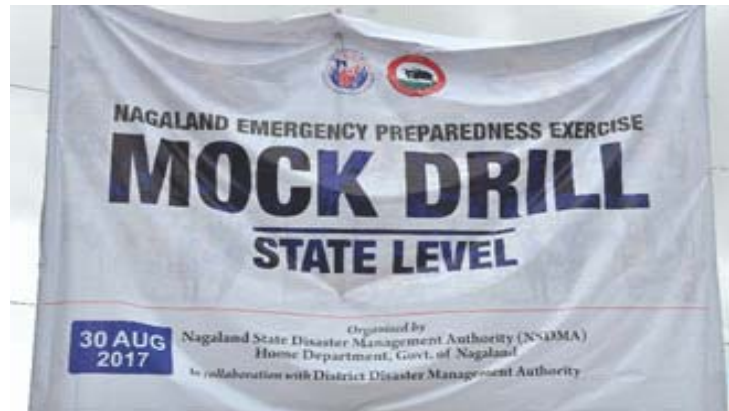
1st Phase AAPDAMITRA Training from 11-22 Dec 2017 CTI, Dimapur

Floods are one of the major natural disaster that have affected India in a large scale, and this has increased during the recent years due to unpredictable weather and climate change phenomena. With the recent cases of floods even in urban areas like the Chennai floods of 2015 and even parts of Dimapur in 2017 there is a larger need to strengthen the local community to be able to respond to these disasters more effectively. Accordingly, National Disaster Management Authority (NDMA) has introduced the AAPDAMITRA Training- a training for Community Volunteers to response to flood disasters.

Nagaland in recent years has also witnessed cases of inundated and flood especially in the plain area which has caused huge losses to properties, livelihood systems, infrastructure and public utilities. Therefore, in line with National Disaster Management Authority (NDMA), the Nagaland State Disaster Management Authority (NSDMA) has embarked upon training of 200 AAPDA MITRA selected from the vulnerable communities and region.



ACTIVITY REPORT



Nagaland Emergency Preparedness Exercise (NEPEX) 2017

NEPEX is the State wide emergency exercise of Nagaland State Disaster Management Authority (NSDMA) Home Department, Government of Nagaland. NSDMA in association with District Disaster Management Authorities (DDMAs) and the concerned Governmental departments, Civil Societies and the communities is organizing Nagaland Emergency Preparedness Exercise (NEPEX) to generate awareness among the communities and different agencies on how to establish mechanism for effective response to any disaster.

Nagaland being vulnerable to many natural calamities, it is imperative to establish a scientific approach in responding and managing disaster. It is crucial for both Government and the public to prepare themselves for any disaster which will reduce extensive damage emergency.

Objective of NEPEX:

1. To qualify the capabilities of the state in responding to an event of any disaster.
2. Development and strengthening of awareness, preparedness, response and recovery plan.
3. Capacity building of Emergency Support Function (ESF) and practice of Standard Operation Procedure (SOP).
4. To create awareness among multi stake holders about disaster and its impact.
5. To build linkage and coordination among multi stake holders in responding to disaster and disaster risk reduction initiatives.

Glimpses of the Nagaland Emergency Preparedness Exercise (NEPEX) 2017



ACTIVITY REPORT

HIGH-RISE BUILDING RESCUE IN PROGRESS



ACTIVITY REPORT

SEARCH & RESCUE IN PROGRESS DURING NEPEX 2017



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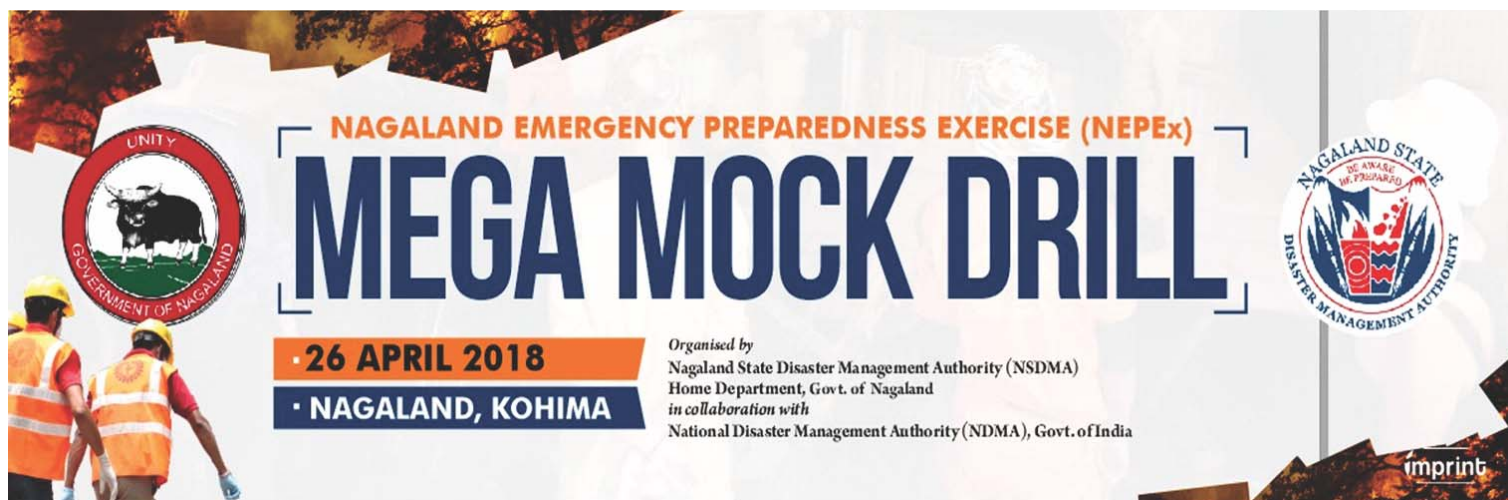
Nagaland Emergency preparedness Exercise (NEPEX) 2018

The Nagaland State Disaster Management Authority, Home Department in coordination with line departments conducted a Nagaland Emergency Preparedness Exercise in all the eleven districts on the 26th April 2018. A Table Top Exercise was also conducted on the 25th April 2018. The NEPEX was marked by active participation from all the line departments.



THE REVIEW MEETING FOR NEPEX 2018

ACTIVITY REPORT



Glimpses of NEPEX 2018 from across the state



ACTIVITY REPORT



SCHOOL STUDENTS PARTICIPATE IN NEPEX 2018



FIREMEN DOUSING OFF FIRE DURING NEPEX

ACTIVITY REPORT



A High rise rescue in progress



De- briefing at State Emergency Operation Centre (SEOC) after completion of NEPEX 2018

ACTIVITY REPORT

TRAINING FOR COMMUNITY FIRST RESPONDER (CFR)

The Community is always the first responder in any disaster as they have an inherent capacity to respond immediately. However, past experience have shown that after every disaster, response comes from well-intentioned but untrained personnel who have little or no regard for personal safety. This at times escalates the after-effects of disaster and further endangers the victims.

The realization that response will be fastest and most effective if responder is trained, has brought about a need to intensify the 'Community First Responder' training. The effective management of any disaster by the communities before actual help arrives will not only save precious lives but also help the local administration. This is possible only when a well-planned training course is imparted in a proper and effective manner.

Basing on this concept and also drawing from past experience the Nagaland State Disaster Management Authority has developed this module for training of the 'Community First Responders'.

Vision of Community First Responder:

The vision of the CFR training is to train as many people as possible across all the villages of the State. The module is based on a cascading system;

Master of Trainers (MoTs)- at the State Level

Training of Trainers (ToTs)- at the district and block level

The end result of this training is to have a Community First Responder Team across all the villages comprising of ten members, one group leader, one liaison, four Search & Rescue members and four First Aid members.

Besides aiming to train the communities of all the villages, this training may also be imparted to an organized group of volunteers who can then become an asset to the local authorities during any disaster.

Duration and Course Covers:

The training will be a Five-Day program. The course will cover the following subjects:

- Brief introduction to the disaster management institutional structure in India and in Nagaland
- Brief introduction to Incident Response System (IRS)
- The CFR Team-Role of the CFR and characteristics of CFR
- Personal and Scene Safety
- Art of Communication
- Consent & Confidentiality
- Infection control and use of gloves
- Search Marking System
- Various methods for rescue of victims
- Basic introduction to the body
- Introduction to First Aid
- Cardio-pulmonary Resuscitation (CPR)
- How to recognize closed wounds
- Methods of bleeding control
- Dressings & Bandages



Total number of circles=60

Total number of villages covered for CFR = 274

Total number of CFR volunteers trained for CFR = 2307

Total number of ToTs = 262

ACTIVITY REPORT

CFR training in Kohima District



CFR training in Longleng District



CFR training in Mokokchung District



ACTIVITY REPORT

CFR training in Mon District



CFR training in Peren District



CFR training in Phek District



ACTIVITY REPORT

CFR training in Tuensang District



CFR training in Wokha District

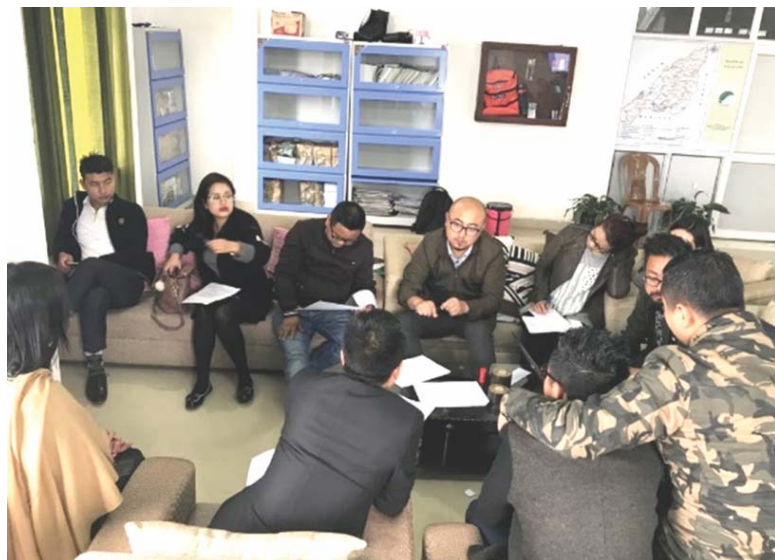


CFR training in Zunheboto District



ACTIVITY REPORT**Convergence**

A Departmental meeting was held on the 5th May 2018 at the SEOC where all the officers and staff of the NSDMA participated. During this meeting the NSDMA Annual DRR and CCA Action Plan was brought out according to the Sendai framework

**Participation in World Environment Day**

The Nagaland State Disaster Management Authority, Home Department participated in the World Environment Day organized by the Department of Forest, Wildlife and Climate Change on the 5th June 2018 at NBCC Conference Hall, Kohima. The NSDMA participated in the thematic flexi exhibition held under the theme 'Beat Plastic Pollution.'

ACTIVITY REPORT

Pre Monsoon Preparedness Meeting

A pre monsoon meeting was held on the 13th April 2018 in the Chamber of the Hon'ble Chief Minister. The meeting was held to review public infrastructures before the onset on the monsoon season. As a follow up action of this meeting a mass social work was organized state wide on the 21st April 2018. The same will also be organized in the month of November.



Adoption of Sendai Framework

The Sendai Framework for Disaster Risk Reduction 2015-30 was adopted at the 3rd UN World Conference for Disaster Risk Reduction in March 2015 in Sendai, Japan along with 187 countries. The overarching intended outcome of the Framework is substantial reduction of disaster risk reduction and losses of lives, livelihood and health and in the economic, physical, social, cultural and environmental assets of persons, business, communities and countries over the next 15 years.

The Nagaland State Disaster Management Authority, Home Department during the 'Convergence' held on 5th May 2018 at the State Emergency Operation Centre Kohima has adopted the strategies of Sendai Framework as road map towards the Disaster Risk Reduction initiative and to emphasize the imperative of managing disaster risk to strengthen resilience and in achieving sustainable development by 2030.

Adoption of School Safety Policy

The Nagaland State Disaster Management Authority, Home Department along with the Department of School Education, adopted the School Safety Policy Guidelines by nominating the District Education Officers (DEOs) as the Nodal Officer's to implement the School Safety Policy Guidelines at the districts in coordination with the DDMAs. At the State level, an Advisory Committee and a Working Committee were notified to prepare the State Action Plan for the School Safety Policy guidelines.



ACTIVITY REPORT**Operation Dzukou**

The Nagaland State Disaster Management Authority, Home Department and the DDMA Kohima led another operation to Dzukou late night on 7th June 2018 to rescue four stranded tourist. The information of four stranded tourists from Assam was received at 06:40 PM on the 7th June 2018. The DDMA Kohima after receiving detailed information swung into action. Thereafter, and SDRF team comprising of 8 Personnel along with a Platoon Commander was activated.

The Emergency response team obtained the geo coordinates and also prepared a 3D map which enabled the Rescue operation team to locate the exact position of the stranded tourist. On the 8th June midnight, the rescue team spotted the stranded tourist by using flashlight signals. The tourists were finally rescued at 12:15 AM. The SDRF checked them for any harm or health issues after which they were brought to the SDRF Kohima camp. The tourists were four students from Golaghat Commerce College. They had entered Dzukou from Viswema entry point and were returning towards Jakhama entry point when an overflowing river prevented them from crossing to the other side.



ACTIVITY REPORT

1 Nagaland Girls Bn NCC Kohima

A session on Disaster Management was conducted during the Annual Training Camp for the 1 Nagaland Bn Girls NCC at Loyola Higher Secondary School Jakhama, Kohima on 28th June 2018. During the session, State Training and Capacity Building Officer Mrs. Khrolou Koza and Kohima District Disaster Management Officer Mr. Thejangulie Zao spoke on the need for Disaster Preparedness.



ACTIVITY REPORT

DISASTER RISK INSPECTION ALONG NH 29, KOHIMA-DIMAPUR ROAD SECTION

Disaster Risk and Vulnerability Assessment on the NH-29, which is under four lane construction was conducted jointly by NSDMA, Home Department, PWD (Highway), NHIDCL, ECI, Gyatri, DDMA Kohima, DDMA Dimapur on the 2nd of July 2018.

The objective of the survey is:

1. To evaluate and identify the vulnerable areas, power line hazards and other factors affecting public transport
2. To look into the public grievances and problems faced by executing agencies/ contractors.



ACTIVITY REPORT

Two Days Consultation Meet

A Two Days Consultation Meet on Disaster Management was held on 10th July 2018 at CBCC Mission Centre, Medziphema



ACTIVITY REPORT

**District Disaster Management Authority (DDMA)
Meetings conducted in 2018**



DDMA TUENSANG



DDMA ZUNHEBOTO

ACTIVITY REPORT**FLASHFLOOD/ FLOOD AND LANDSLIDE IN NAGALAND DURING 2018 MONSOON**

The State of Nagaland was plunged into a state of crisis due to thunderstorm and incessant rains, the State was disrupted for days since the 26th July, 2018. The State Capital Kohima along with other districts like Phek, Kiphire and Tuensang was cut-off for some days due to numerous landslide caused by the incessant rain.

The State Government sought immediate assistance of the Central Government and its various agencies like Indian Paramilitary and Military Forces, Indian Air Force and National Disaster Response Force, to help the State Machineries to cope with the challenges caused by the heavy rains.

Heavy Storm, Flash Floods, Heavy Rainfall and Landslides claimed 10 lives while also causing many grievous damages to public and private properties. Essential services like transportation routes, electricity, communication, water supply, medical, education institutions and other public infrastructure were affected. All the eleven (11) districts were affected very severely.

**FLOOD HIT AREAS**

ACTIVITY REPORT

Sensitization on Disaster Management for Faith Based Organizations (FBO)

A Conclave on Disaster Management for Faith Based Organizations (FBOs) was held on the 27th July 2018 at Peren.

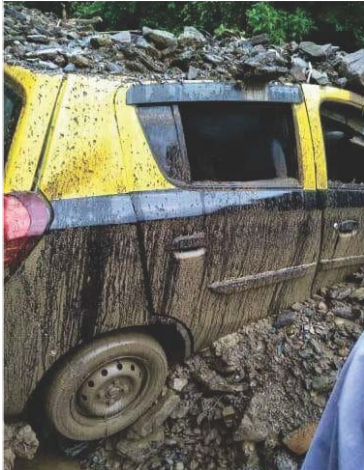
The objectives of FBO is :

1. To sensitize one of the most influential platform in State to further the message of Disaster Risk Reduction
2. To explore the role of Faith Based Organizations (FBOs) in Disaster Mitigation, Response and Recovery
3. To augment the strength and potential of FBOs in Disaster Risk Reduction activities within the ambience of the organizations
4. To search for innovative means of promoting Stewardship of God's creation and Sustainable Development
5. To request all the Christian organizations to keep one Sunday in a year to promote the message of Disaster Risk Reduction



ACTIVITY REPORT

ROADS AFFECTED ACROSS THE STATE



ACTIVITY REPORT

LANDSLIDE HIT AREAS



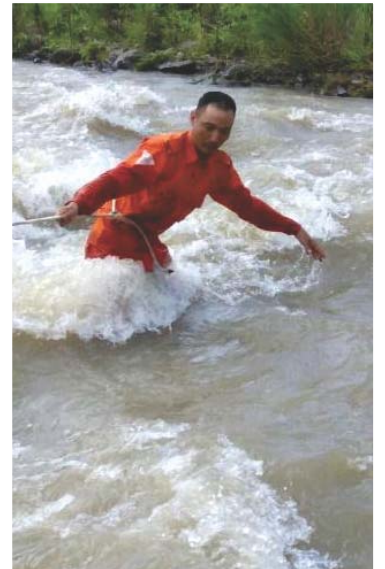
ACTIVITY REPORT

PADDY FIELDS AFFECTED AREAS



ACTIVITY REPORT

State Disaster Response Force and National Disaster Response Force in Action During the Monsoon Crisis



ACTIVITY REPORT

Air dropping of essential commodities during the monsoon disaster of 2018

Due to the incessant rains, many districts were affected and few districts such as Phek, Tuensang, Mon were partially cut-off while Kiphire district was completely cut-off for more than two (2) weeks. Because of this crisis situation, 2 IAF Choppers were requisitioned for air-dropping of essential commodities. During the air operation, the team also airlifted public who needed immediate medical attention from Seyochung and Kiphire HQ.



ACTIVITY REPORT

INTER-MINISTERIAL CENTRAL TEAM

A five member Inter-Ministerial Central Team (IMCT) led by Shri K.B. Singh, Joint Secretary (FFR) Ministry of Home Affairs visited the Nagaland Flood and Landslide affected areas. The purpose of the visit was to take stock of the damages caused by unprecedented rains during the monsoon.

The team was accompanied by Dr. K. Manoharan, Director-in-Charge, Department of Agriculture and Cooperation, Kolkata, Shri R.B. Kaul, Consultant (FCD), Department of Expenditure, Shri Anirban Acharrya, Ministry of Road Transport and Highways and Ms. Chahat Singh, Department of Rural Development.



Inspection at Baliyan Bridge



Inspection at Hakhishe village



At Doyang Dam

ACTIVITY REPORT



SITE INSPECTION AT KEZIEKIE KOHIMA



SITE INSPECTION AT PARA MEDICAL COLONY KOHIMA



SITE INSPECTION AT OLD KMC DUMPING ZONE



SITE INSPECTION AT DAKLANE KOHIMA



SITE INSPECTION AT LERIE, KOHIMA

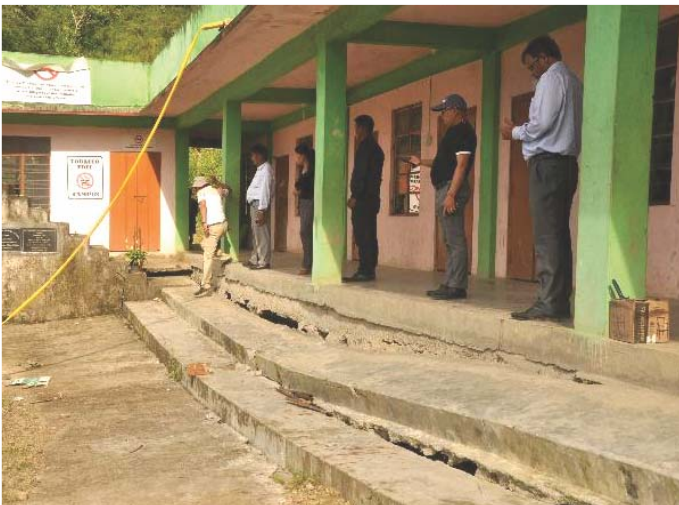
ACTIVITY REPORT



SITE INSPECTION AT PEREZIE COLONY, KOHIMA



INSPECTING THE SANUORII SITE



GOVT. MIDDLE SCHOOL KEYAKE, KOHIMA



DISCUSSION WITH PUBLIC AT NUILAND



BRIEFING WITH LINE DEPARTMENTS AND DDMA DIMAPUR



ACTIVITY REPORT



DE-BRIEFING WITH LINE DEPARTMENTS AND DDMA's



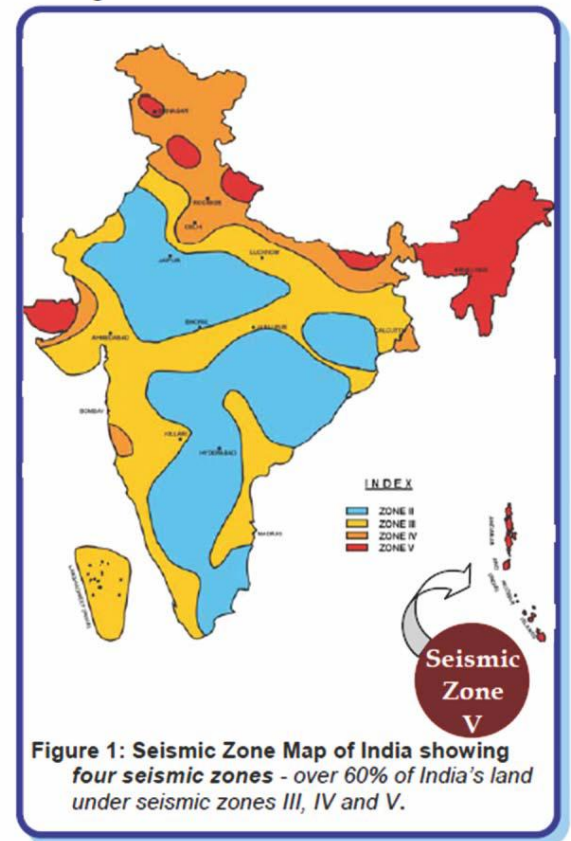
IMCT TEAM MEETING WITH THE HON'BLE CHIEF MINISTER

ACTIVITY REPORT

Brief Importance of Seismic Resilience Design and Codes

Ground vibrations during earthquakes cause forces and deformations in structures. Structures need to be designed to withstand such forces and deformations. Seismic codes help to improve the behavior of structures so that they may withstand the earthquake effects without significant loss of life and property. Countries around the world have procedures outlined in seismic codes to help design engineers in the planning, designing, detailing and constructing of structures. An earthquake-resistant building has four *virtues* in it, namely:

- (a) *Good Structural Configuration*: Its size, shape and structural system carrying loads are such that they ensure a direct and smooth flow of inertia forces to the ground.
 - (b) *Lateral Strength*: The maximum lateral (horizontal) force that it can resist is such that the damage induced in it does not result in collapse.
 - (c) *Adequate Stiffness*: Its lateral load resisting system is such that the earthquake-induced deformations in it do not damage its contents under low-to-moderate shaking.
 - (d) *Good Ductility*: Its capacity to undergo large deformations under severe earthquake shaking even after yielding, is improved by favourable design and detailing strategies.
- Seismic codes cover all these aspects.



Indian Seismic Codes

Seismic codes are unique to a particular region or country. They take into account the local seismology, accepted level of seismic risk, building typologies, and materials and methods used in construction. Further, they are indicative of the level of progress a country has made in the field of earthquake engineering.

The first formal seismic code in India, namely IS 1893, was published in 1962. Today, the Bureau of Indian Standards (BIS) has the following seismic codes:

1. IS 1893 (Part I), 2002, *Indian Standard Criteria for Earthquake Resistant Design of Structures* (5th Revision)
2. IS 4326, 1993, *Indian Standard Code of Practice for Earthquake Resistant Design and Construction of Buildings* (2nd Revision)
3. IS 13827, 1993, *Indian Standard Guidelines for Improving Earthquake Resistance of Earthen Buildings*
4. IS 13828, 1993, *Indian Standard Guidelines for Improving Earthquake Resistance of Low Strength Masonry Buildings*
5. IS 13920, 1993, *Indian Standard Code of Practice for Ductile Detailing of Reinforced Concrete Structures Subjected to Seismic Forces*
6. IS 13935, 1993, *Indian Standard Guidelines for Repair and Seismic Strengthening of Buildings*

The regulations in these standards do not ensure that structures suffer *no damage* during earthquake of *all magnitudes*. But, to the extent possible, they ensure that structures are able to respond to earthquake shakings of *moderate intensities* without *structural damage* and of *heavy intensities* without *total collapse*.

(CVR Murty, IIT Kanpur)



**Fire takes just seconds...
Practice fire safety today**

**Let's be
FIRE SAFE!**

Prevent Fires

- Do not **Overload** electrical systems
- Make sure **Candles** are placed away from flammable materials
- Stub out **Cigarettes** and dispose them off carefully
- Use **Authorised Electricity** connection
- Use only **Certified and Authorized** cooking Gas Cylinders
- Be wary of the **Wind**. Be responsible and prevent forest fires

Nagaland State Disaster Management Authority
Home Department, Government of Nagaland



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Below State Museum, Bayavü Hill, Kohima

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