

## Programmatic Report on

# MULTI STATE MOCK EXERCISE IN ASSAM



Be prepared... Stay Safe



**An initiative of**

Assam State Disaster Management  
Authority (ASDMA), Govt. of Assam

**In collaboration with**

National Disaster Management Authority  
(NDMA), Govt. of India

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## **INTRODUCTION AND BACKGROUND:**

Assam is a state with multiple hazards, including landslides, earthquakes, storms, and floods in addition to man-made calamities. The State also has a serious erosion and flood problem. Disasters have historically struck Assam, including significant earthquakes and devastating floods.

As per the plate tectonics, Assam is in the eastern-most projection of the Indian Plate, where the plate is thrusting underneath the Eurasian Plate creating a subduction zone and the Himalayas. This led the state of Assam fall under the seismic zone V making the entire State prone to earthquake of moderate to very high intensity. The State has experienced two major earthquakes in the year 1897 and 1950. The intensities of these two earthquakes were 8.7 and 8.5 on the Richter scales respectively.

Combined with this hazard, is the vulnerability profile of the towns and cities where the growth is haphazard and uncontrolled. Huge urban population combined with poor quality and ill-maintained infrastructure, low quality building stock, and lower resilience of the high-density society increases the risks to earthquakes in the urban centres. Moreover, urban infrastructure is often designed and constructed without satisfying minimum safety standards.

Mock exercises are a type of training activity that is used to test the preparedness of an organisation and identify gap areas. Mock drills are a regular training practice used by safety trainers to keep employees prepared. By engaging in these drills, employees maintain their readiness to respond to any emergency crisis. Such Mock Exercises also enhances the ability of various stakeholders to respond faster, better and in an organised manner during the response phase.

Considering the same, a Multi-State Mock Exercise (ME) on Earthquake Disaster scenario has been conducted simultaneously in nine districts of Assam viz. Cachar, Kamrup (Metro), Kokrajhar, Tinsukia, Sivasagar, Chirang, Bongaigaon, Sonitpur and Dima Hasao and by Assam State Disaster Management Authority (ASDMA), Govt. of Assam in collaboration with respective District Disaster Management Authorities (DDMAs), various stakeholders and supported by National Disaster Management Authority (NDMA), Govt. of India.

During the Mock Exercise an Orientation cum Coordination conference has been organised on 9<sup>th</sup> November 2022 virtually linking all state and district level stakeholders to finalise the overall scenario of the Mock Exercise, discussion on the various scenarios/ simulations expected in each DDMAs participating in the Mock Exercise in conjunction with ASDMA and detailed briefing by the NDMA exercise coordinator on the conduct of the Table Top Exercise and the physical Mock Exercise.

Table Top Exercise (TTE) has been conducted on 15<sup>th</sup> November, 2022 with the aim to workout key disaster managers in their roles and responsibilities on various simulated

emergency situations, particularly on the likely scenario to be played out during the Mock Exercise, discern gaps prior to the Mock exercise and evolve viable response plan.

The physical Mock Exercise has been conducted on 17<sup>th</sup> November 2022 simultaneously in all nine district headquarters of Assam along with state HQ. During the exercise, SEOC and DEOCs switch to alternate means of communications i.e. wireless sets of Assam Police Radio Organization (APRO) and SATCOM, through which the information were gathered about the scale of damages in five different affected sites in each districts. Staging Areas, Incident Command Posts, Relief Camps, Triage and Medical Aid posts along with other IRS facilities were also created for management of the incidents in all districts. A special inject was also given for on Assam-Nagaland connecting road in Sivasagar to get responses from various responding agencies including NF Railway, National Highway Authority of India (NHAI) along with coordination with the Nagaland SDMA.

After the Mock Exercise, a debriefing session was held through VC, where all nine districts were connected for the observations made by the independent observers.



**Figure:** Showing the incident site for the Mock Exercise in north bank of Assam

**OBJECTIVES OF THE MOCK EXERCISE:**

With the following major objectives of the Mock Exercise has been conducted-

- a) Highlight the roles and responsibilities of various stakeholders as per the IRS and institutionalise the use of IRS in the response mechanism.
- b) To review the DM plan and associated SOPs of the participating States and their districts, as well as individual DM plans of each department of each district.

- c) Ensure coordination among Emergency Support Functions at the District level.
- d) Generate Public Awareness by involving the media, LGBs (Local Governing Bodies), NGOs and Community.
- e) Identify gaps if any in the resources, communications, response capabilities etc.

#### **LESSON LEARNT AND SUGGESTIONS:**

Following are the comprehensive suggestions, recommendations and major takeaways made by various observers during the Multi State Mock Exercise 2022 conducted in Assam:

- a) **Detachment of APRO in EOCs:** ASDMA's SEOC has permanent APRO detachment with roster duties. Consider setting up similar detachment on permanent basis at all the DEOCs of Assam.
- b) **Failsafe mobile Communication:** Procurement of Quick deployment Antenna like NDRF as alternate mode of movable communications at the disposal of EOCs at state & districts.
- c) **Periodical Training on IRS:** A short training module can be designed on the Incident Response System (IRS) for the periodical/yearly training of the district level IRTs members (since they keep on transferring quite often).
- d) **Coordination with NF Railway:** Dovetail the Accident relief medical trains of NF Railways in the SDMP and established better coordination for similar resources with Indian Railways.
- e) **Training module on DM & IRS:** Introduction of dedicated Incident Response System (IRS) and Disaster Management training module at the entry level for all the Government Officials including the state PCS following that in LBSNAA for IAS and SVPNPA for IPS.
- f) **Augmentation of Satellite Phones:** Few Deputy Commissioner's has been provided with Satellite Phones for reliable fail-safe communication. However, the same can be augmented for all districts particularly for each DEOCs of Assam.
- g) **Training and Capacity Building on HAM Radio:** Need targeted training and capacity building of all volunteers (engaged with ASDMA), SEOC and DEOCs staffs on HAM Radio. Initially piloted with SEOC and DEOC staffs to become HAM Operators.
- h) **Basic training on life saving:** Design a basic life saving training module for students particularly for all NSS volunteers of Assam.
- i) **Provision for makeshift Hospital:** Under the Departmental Disaster Management plan of Health & FW Deptt., provision for makeshift hospital against all civil hospital can be implemented for hospital building collapse scenario.

**PHOTOGRAPHS OF SEOC AT ASDMA HQ.:**



The district wise programmatic report of the Mock Exercise held in nine districts viz. Cachar, Kamrup Metro, Kokrajhar, Tinsukia, Sivasagar, Chirang, Bongaigaon, Sonitpur and Dima Hasao are attached below.

**PROGRAMMATIC REPORT  
OF  
MULTI STATE MOCK EXERCISE IN CACHAR DISTRICT**



**Conducted by  
Assam State Disaster Management Authority (ASDMA)  
and  
District Disaster Management Authority (DDMA), Cachar  
in collaboration with  
National Disaster Management Authority (NDMA)  
9<sup>th</sup>, 15<sup>th</sup> & 17<sup>th</sup> November, 2022**



National Disaster Management  
Authority



Assam State Disaster  
Management Authority



District Disaster Management  
Authority, Cachar

# MUTI-STATE MOCK EXCERCISE

## Report 2022

### Conducted by-

District Disaster Management  
Authority, Cachar (DDMA)

In collaboration with

Assam State Disaster Management  
Authority(ASDMA)

and

National Disaster Management Authority  
(NDMA)



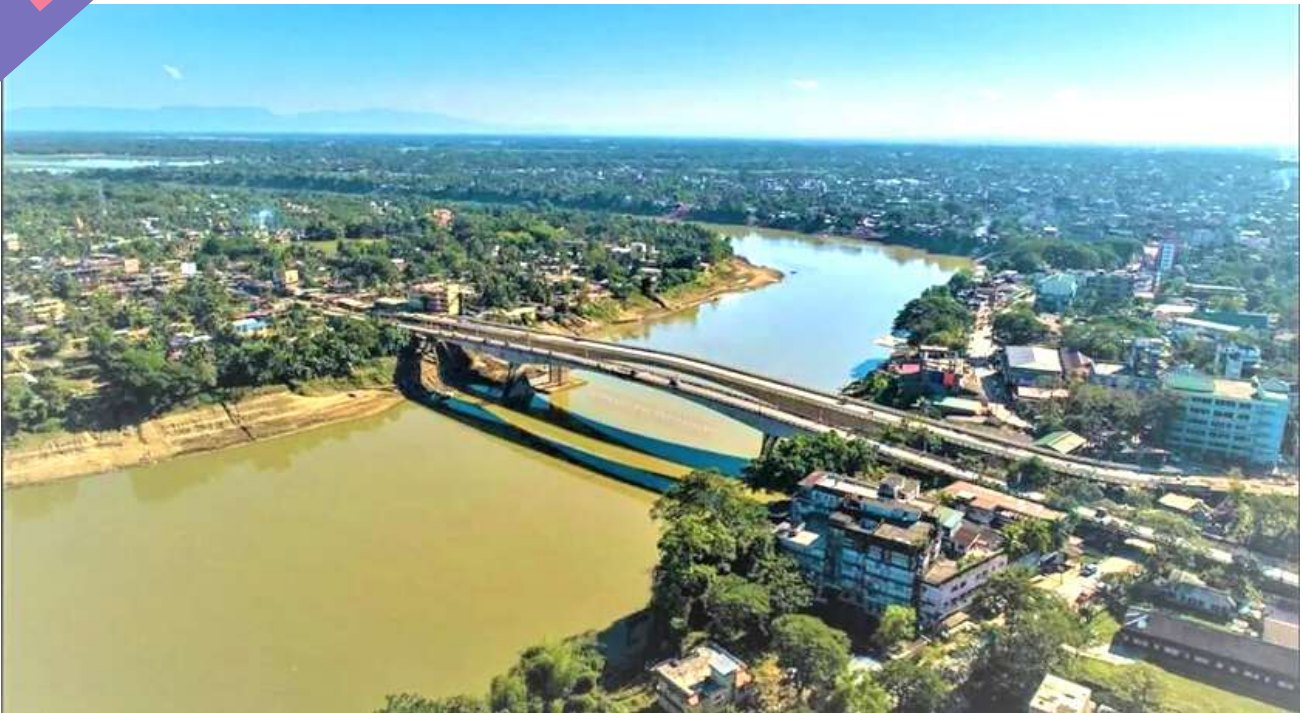


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# Profile - Silchar City



**1869** Silchar witnessed a big earthquake. High-density urban population combined with haphazard growth exposes the town dwellers to high risk.

## Silchar falls under Seismic Zone V

Type of Disaster	Time of Occurrence	Vulnerable Areas
Earthquake	Anytime	Entire District & Valley

**1986**

**1991**

**2004**

**2022**

Silchar is inundated frequently due to excessive rainfall and flooding by the River Barak. In, the last three decades, Silchar and the Barak Valley have been ravaged by four major floods.

Type of Disaster	Time of Occurrence	Vulnerable Areas
Flood	May To October	Entire District

Type of Disaster	Time of Occurrence	Vulnerable Areas
Landslide	April to September	Three hill ranges

Landslide is very common in the hilly terrain of the Cachar District which wipes outcrop, agricultural field, irrigation channel, roads and bridges, and other infrastructures. Loss of Human lives and animal lives is also observed during the rainy season.

Type of Disaster	Time of Occurrence	Vulnerable Areas
Fire Accidents	Anytime	Entire District

Besides natural hazards, the city is also vulnerable to human-induced hazards like fires, accidents, etc. While fire accident occurs due to urban localities and thatched-roof houses, road mishaps are frequently caused due to reckless driving and poor road conditions.



# Profile - Cachar District



## District Area

37,861.1 sq. Kms

## Total population

1,736,391

## Total Revenue Circle

5 Nos.

## Total Div. Blocks

15 Nos.

## Total Gram Panchayat

163

## Major Hill Range

Bhuban hill Range, Borail hill Range end Rengti hill Range

# Multi-State Mock Exercise

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Emergency Multi-State Mock Exercise is a day-long exercise for the Department capacity-building exercises designed to assess the strengths and capabilities of the emergency response systems of disaster-prone cities in the country.



1

## Aim

2


Development of new skills for emergency management and local disasters and emergencies.

Developing this process improves interagency communication and coordination, especially between various professionals in disaster management.

3

The results we can get through the emergency exercise. With that, the responding agencies city of Silchar will be able to handle such situations much more effectively. Areas that need refinement can be rectified easily, and emergency preparedness can be upgraded.

# Goals

- 
- ✓ To check the preparedness of responding agencies to face an emergency.
  - ✓ Once the gap is identified it helps to enhance the level of existing capacity to the desired level.
  - ✓ The training and the drill can bring together the major responders, testing real-time
  - ✓ To check the inter-agency communication and coordination at the reverse of these organizations, especially the incident Command Structure and its various agencies, and the private sector and citizen groups.
  - ✓ To push the medical response system to handle extreme scenarios and compelled the physicians and medical staff to prioritize care to maximize the savings of life and limbs, under pressure.

# Process Flow

sites selected for the mock exercise  
were

## IN THE CONDUCT OF MULTI-STATE MOCK EXERCISE



BoscoTech Institute



Zilkadar Ali HS School



Soil Conservation Office



Goldighi Mall

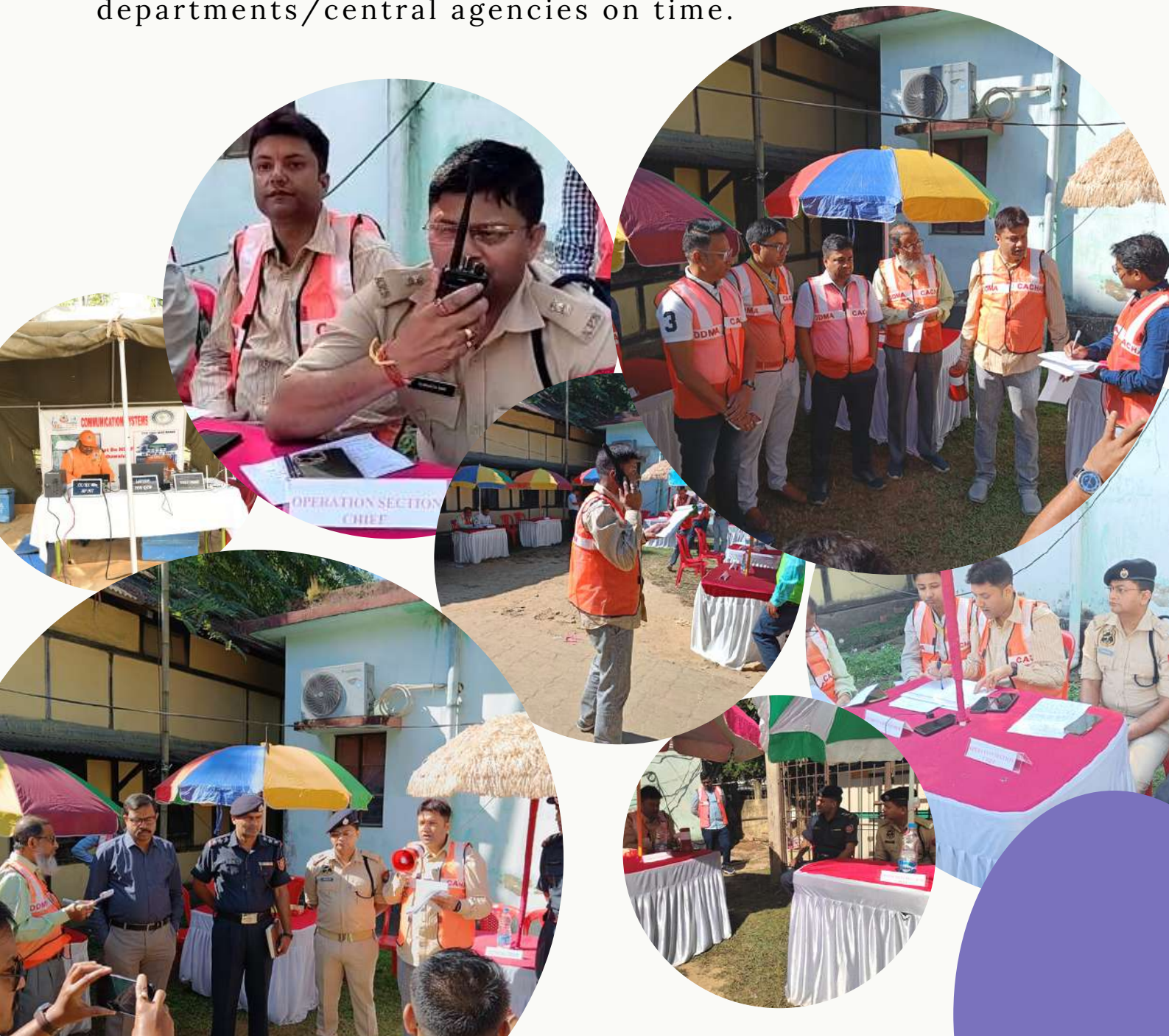


SMCH Administrative  
Building

# Incident Command Post

## To respond all incident areas

An Incident Command Post is activated by the District Disaster Management Authority so that immediate response & communications can be initiated through the respective departments/central agencies on time.





# Scenarios of the drill Initiated

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The team as per notification. Action: SP, Cachar & DTO, Cachar. Further DTO, Cachar co-ordinated with the concerned Department and ensure the station of 2 nos. of JCB, 407 Truck, 108 Ambulance, Debris Clearance vehicle from SMB, and one Bolero for demonstration purposes and use of response team during the exercise. A banner for the staging area and 4-5 buses were provided from DDMA, Cachar.



Incident Site for simulation exercise: SMCH Administrative Building, Oriental High School, Boscotech Institute, Gol Dighi Municipal Mall & New Building of Soil Conservation Office: Action: IS, CDC, E.O, SMB, DO, Soil Conservation, Superintendent, SMCH, Director, Boscotech and Principal, Oriental High School and overall co-ordination by DDMA, Cachar.

# Communication established through various Channels

The Mock Drill initiated as per IRS guidelines and established alternate communication channels. Each Officials played a different role in the mock drill as per IRS Guidelines.

<b>RESPONSE OFFICER</b>	Deputy commissioner, Cachar Rohan Kumar Jha, IAS
<b>INCIDENT COMMANDER MAGISTRATE</b>	Chief executive officer, DDMA, Cachar Yuvraj Barthakur, ACS
<b>SAFETY OFFICER</b>	Rajib Roy, ACS, DDC, Cachar
<b>LIAISON OFFICER</b>	Shamim Ahmed Laskar, DPO, DDMA
<b>OPERATION SECTION CHIEF</b>	Numal Mahatta, APS, Superintendent of Police
<b>INFORMATION AND MEDIA OFFICER</b>	Sazzadul Haque Chowdhury, DDIPR, BV Region



# Staging Areas in Details

## Beginning of the mock drill



The mock drill began with a siren which was played through the FLS system of the Regional Office of Information & Public Relations Barak valley Zone Silchar Assam at **9 am.**



The news came to the Disaster Management Authority's Emergency Operations Center.



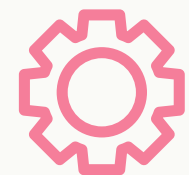
The Incident Response System (IRS) was activated immediately to deal with the disaster.



A total of 16 people were killed and 52 injured in this earthquake of 8.7 Richter scale. Injured persons were admitted to Red Cross Hospital Hospital, Jeevan Jyoti Hospital, and Silchar Medical College & Hospital Silchar.



Satellite phones and VHF wireless sets were used after the disaster destroyed the telephone lines.



Department heads of the operations section, logistics section, planning section, etc. sat in a meeting to prepare an incident action plan in the ICP.

**The staging area was set up on the police parade ground and deployed all the resources used in the search & rescue operation**

# LOCATION-WISE PHOTOS AND INCIDENTS THAT ARE ENACTED

## Police Play Ground



In the Multi-State Mock Exercise, Police Parade Ground used as Staging area during the drill and deployed resources including men and materials etc. for immediate response

# LOCATION-WISE PHOTOS AND INCIDENTS THAT ARE ENACTED

## Boscotech Ramnagar



In the Multi-State Mock Exercise, the residential students of Boscotech participated in the drill and followed the Drop, Cover, Hold rule during the exercise including the evacuation process of the building.

# LOCATION-WISE PHOTOS AND INCIDENTS THAT ARE ENACTED

## Soil Conservation Office, Silchar



In the Multi-State Mock Exercise, the employees of the Soil Conservation and some local people participated in the drill and followed the rule.

# LOCATION-WISE PHOTOS AND INCIDENTS THAT ARE ENACTED

## Goldighi Mall, Silchar



In the Multi-State Mock Exercise, the employees of the Goldighi Mall and some local people participated in the drill and followed the rule. At sharp 9 am with the emergency alarm, everyone started to enact the exercise, and with the help of the NDRF team, they evacuated the mall quickly.

# LOCATION-WISE PHOTOS AND INCIDENTS THAT ARE ENACTED

## Zilkadar Ali H.S. School, Masimpur



In the Multi-State Mock Exercise, the students of Zilkadar Ali School, Masimpur participated in the drill and followed the rule of Drop, Cover and Hold to prevent rush during an earthquake. The exercise included the evaluation of the building.



# Designated Hospitals for the Emergency Mass Casualty Management



**Civil Hospital**



**Red Cross**



**Jeevan Jyoti  
Hospital**



**Silchar Medical  
College**

## Team deployed as Per Requirements



**Goldighi Mall**  
NDRF, ONGC, Assam  
Rifles



**SMCH**  
NDRF



**Boscotech school**  
SDRF, Assam Rifles



**Soil Conversion**  
SDRF, Assam Rifles



**Zilkadar School**  
SDRF, Assam Rifles

# LESSONS LEARNT FROM THE MOCK DRILL

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## STATE OF PREPAREDNESS

This exercise tested the state of preparedness of the responding agencies of Silchar to face an emergency.



## GAPS IDENTIFIED

Once the gap was identified it helped to enhance the level of existing capacity to the desired level.



## REAL-TIME TESTING

Through the training and drill, the major responders tested real-time inter-agency communication and coordination at a reverse level, specifically the Incident Command Structure and its various agencies, as well as the private sector and citizens.



## QUICK MEDICAL RESPONSE

The drill pushed the medical response system to handling extreme scenarios, and compelled the physicians and medical staff to prioritize care to maximize the savings of life and limbs, under duress

# SUGGESTIONS

## FROM DISTRICT

The training and the drill brought together the significant responders, testing actual-time, inter-communication, and coordination at maximum capacity, especially the Incident Command Post structured in a manner that allowed its various agencies, to bring together to respond and take action.



*Mass awareness of disaster management among the community is essential.*



*Plan and test their plan of action for specific events on inter-agency Co-ordination and Response.*



*Mapping of resources is necessary (inventory Human and equipment both)*



*There is a need for DM institutional strengthening at the local level and Urban Bodies at the district level.*



*The necessity of SOPs for all ESFS and concerned departments as well as other stakeholders*




*Need for interagency communication and coordination between various agencies.*

# MEDIA COVERAGE

A massive number of people contemplated the mock drill exercise through various media channels.

1,27,890 



 জেলা দুর্যোগ মোকাবেলা কর্তৃপক্ষের উদ্যোগে ভূমিকম্পের পরবর্তী ত্রাণ ও উদ্ধার কার্যের জন্য মকড্রিলের আয়োজনের দৃশ্য। এই মক ড্রিলে শিলচরে...

 Like  Comment  Share

 143 · 1 Comment · 5.1K Views



বিরাট বিপদ থেকে কিভাবে বাচানো হচ্ছে দেখুন

 Like  Comment  Share

 Monami Bhattacharjee, Pritam Das and 2.6K others · 62 Comments · 41K Views

# MEDIA COVERAGE



Multi-State Mock Drill By DDMA on Earthquake

Like Comment Share Avinandan Banik, Arup Roy King and 984 others · 9 Comments · 26K Views



বড়খলায় দুর্যোগ মোকাবিলা দফতরের মকড্রিল

Like Comment Share 91 · 1 Comment · 4K Views



SilcharLive was live.

November 16 at 11:25 PM · 🌐

Additional SP and ADC on the Multi State Mock Drill on Earth Quake

54

7 Comments 1.8K Views

# PRINT MEDIA COVERAGE



ভূমিকম্প প্রতিরোধে নারীকর্মীদের সচেতন করে তুলতে মডেল শিলচরে। বৃহস্পতিবার।

## শিলকুড়িতে হচ্ছে দুর্য়োগ

### on earthquake disaster in Silchar

CHRONICLE NEWS SERVICE

SILCHAR: A mock drill was held in Silchar on Thursday to test the ability to carry out rescue and relief operations in natural calamities like earthquakes.

The mock drill was initiated by the Disaster Management Authority of the Cachar District Administration. The speed of rescue and relief operations was verified by artificially creating an earthquake scenario in five buildings of Silchar.

The mock drill began with a siren which was played through the FLS system of the Regional Office of Information and Public Relations, Barak valley zone, Silchar at 9 am. The news came to the Disaster Management Authority's Emergency Operations Center. The Incident Response System (IRS) was activated immediately to deal with the situation.



ations were started under the leadership of the Responsible Officer (RO). An incident commander (CEO, DDMA) took the responsibility to deal with the entire disaster. Section heads of operations section, logistics section, planning section etc. sat in a meeting to prepare an incident action plan in the ICP. The plan was finalized with all section chiefs. Satellite phones and VHF wireless sets were destroyed in the disaster. The APRO, APDCL's etc. to speed up their respective departmental disaster response operations following which relief efforts at the affected areas began. Various forces like NDRF, SDRF, Assam Rifles, Police, Apapda Mitra Volunteers, NYK Volunteers, NGO Volunteers among others were involved in the rescue measures.

Prior to this, the staging area was set up on the Police Parade Ground and all the injured persons, as part of the mock drill, were admitted in Red Cross Hospital and Silchar Medical College and Hospital Silchar. Meanwhile, a relief camp was also set up under Deshabhakti Tarun Ram IRS where 20 families were given shelter.

After the operation, the incident commander briefed the press in which gave an account of the casualties and injuries. Deputy commissioner Cachar Rohan Kumar Jha worked as the response officer as per IRS Guidelines in Thursday's mock drill on incident response system. Besides, chief executive officer, DDMA, Cachar, Yuvraj Borthakur, deputy incident commander magistrate Kishan Choroal, safety officer DDC Rajeev Roy, liaison officer Shamim Ahmed, information and media officer, Sazzadul Haque Chowdhury and additional superintendent

earthquake of 8.7 richter scale. The injured persons, as part of the mock drill, were admitted in Red Cross Hospital and Silchar Medical College and Hospital Silchar. Meanwhile, a relief camp was also set up under Deshabhakti Tarun Ram IRS where 20 families were given shelter.

### DDMA conducts mock drill on earthquake disaster in S

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After the operation, the incident commander briefed the press. He said that 2 people were killed and 8 injured in this earthquake of 8.7 richter scale. Injured persons were admitted in Red Cross Hospital and Silchar Medical College & Hospital Silchar. Meanwhile, a relief camp was also set up under Deshabhakti Tarun Ram IRS where 20 families were given shelter.

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আইসিআরএস-এর অধীনে একটি রিলিফ ক্যাম্পও স্থাপন করা হয়। এতে ২০টি পরিবার আশ্রয় দেন। অপারেশনের পর ইন্সিডেন্ট কমান্ডার ডিরিঞ্জিওছেন। এতে তিনি জানান, সন্মিলন সফলভাবে চলে গিয়েছে।

এদিকে দেশভিত্তিক তরুণরাম আইআরএস-এর অধীনে একটি রিলিফ ক্যাম্পও স্থাপন করা হয়। এতে ২০টি পরিবার আশ্রয় দেন। অপারেশনের পর ইন্সিডেন্ট কমান্ডার ডিরিঞ্জিওছেন। এতে তিনি জানান, সন্মিলন সফলভাবে চলে গিয়েছে।



প্রান্তজ্যোতি দৈনিক, শিলচর, বৃহস্পতিবার, ১৭ অক্টোবর, ২০২২

## আজ শিলচরে ভূমিকম্পের মকড্রিল

### আতঙ্কিত না হওয়ার আহ্বান

প্রান্তজ্যোতি প্রতিবেদন, শিলচর, ১৬ নভেম্বর : কাছাড় জেলা বিপর্যয় মোকাবিলা কর্তৃপক্ষের (ডিডিএমএ) ব্যবস্থাপনায় ভূমিকম্পে উদ্ধার ও ত্রাণ তৎপরতার এক মকড্রিল বৃহস্পতিবার শিলচরে অনুষ্ঠিত হবে। শিলচরের পাঁচটি ভবনে কৃত্রিমভাবে ভূমিকম্প সৃষ্টি করে দৃশ্যপট তৈরির মাধ্যমে উদ্ধার ও ত্রাণ কাজের প্রশাসনিক দক্ষতা খতিয়ে দেখা হবে। জনসাধারণকে এই সময় আতঙ্কিত না হবার জন্য কাছাড় জেলা প্রশাসন থেকে আবেদন জানানো হয়েছে। শহরের যেসব বিল্ডিং-এ দৃশ্যপট তৈরি করে মকড্রিল অনুষ্ঠিত হবে সেগুলি হল মিলিটারি মেডিক্যাল কলেজের এডমিনিস্ট্রাটিভ বিল্ডিং, মাসিমপুরের জেলা সদর

### শিলচরের মকড্রিলে ভূমিকম্পে অফিসারদের দক্ষতা যাচ

১৭ নভেম্বর, শিলচর, ১৭ : ভূমিকম্পের মতো ভূমিকম্প সৃষ্টি হলে কতটা দক্ষতার সঙ্গে মানুষের রক্ষা করা হবে তা যাচাই করার জন্য শিলচরে একটি মকড্রিল করা হল।



করা হল। এতে ২০টি পরিবার আশ্রয় দেওয়া হবে। ইন্সিডেন্ট কমান্ডার ডিরিঞ্জিওছেন। এতে তিনি জানান, সন্মিলন সফলভাবে চলে গিয়েছে।

শিলচর, ১৭ : ভূমিকম্পের মতো ভূমিকম্প সৃষ্টি হলে কতটা দক্ষতার সঙ্গে মানুষের রক্ষা করা হবে তা যাচাই করার জন্য শিলচরে একটি মকড্রিল করা হল।

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## DDMA conducts mock drill on earthquake in Silchar

SILCHAR, Nov 17: A mock drill was held in Silchar on Thursday to test the ability to carry out rescue and relief operations in natural calamities like earthquakes.



After the operation, the incident commander briefed the press. He said that 2 people were killed and 8 injured in this earthquake of 8.7 richter scale. Injured persons were admitted in Red Cross Hospital and Silchar Medical College & Hospital Silchar. Meanwhile, a relief camp was also set up under Deshabhakti Tarun Ram IRS where 20 families were given shelter.

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**Assam State Disaster  
Management Authority  
(ASDMA)**



**National Disaster Management  
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(NDMA)**



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**PROGRAMMATIC REPORT  
OF  
MULTI STATE MOCK EXERCISE IN KAMRUP METROPOLITAN  
DISTRICT**



**Conducted by  
Assam State Disaster Management Authority (ASDMA)  
and  
District Disaster Management Authority (DDMA), Kamrup Metropolitan  
in collaboration with  
National Disaster Management Authority (NDMA)  
9<sup>th</sup>, 15<sup>th</sup> & 17<sup>th</sup> November, 2022**



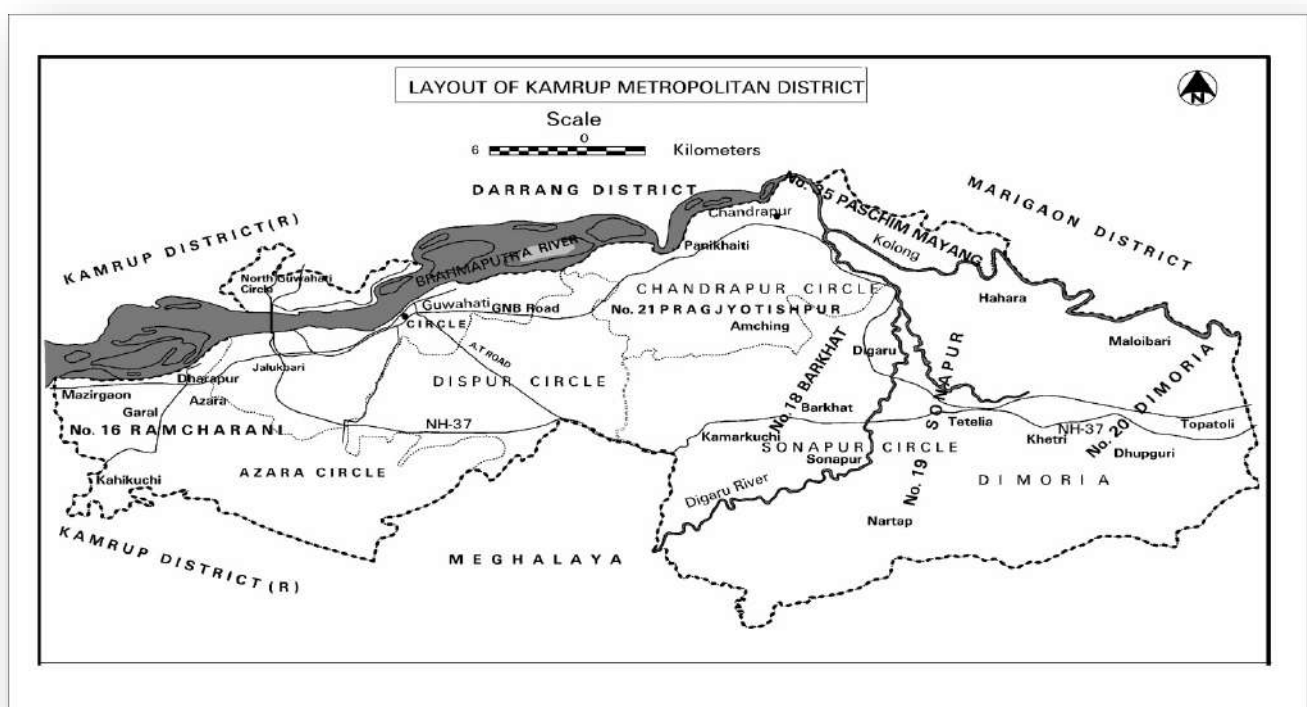
# MULTI STATE MOCK EXERCISE

Conducted by District Disaster Management Authority, Kamrup Metropolitan (DDMA)  
in collaboration with Assam State Disaster Management Authority (ASDMA) and  
National Disaster Management Authority (NDMA)



## DISTRICT PROFILE

Kamrup metropolitan district is located between 25°43' and 26°51'N latitude and 90°36' – 92°12' E longitude. Covering an area of 1528 Sq. Km, total population of 12, 60,419 (as per 2011 Census) i.e. 1,313 people per sq. km. Out of the total population for 2011 census, 82.70 % lives in urban regions of district in total 1,037,011 people lives in urban areas and 17.30 % population lives in rural areas of villages in total 216,927 people lives in rural areas.



Kamrup Metro District is sharing border with Darrang District to the East and Kamrup District to the North. Kamrup Metro District occupies an area of approximately 1527.84 square kilometers. It's in the 55 meters to 51 meters elevation range.

The district is located in the most seismically active region of the country i.e. Zone V and very vulnerable due to high density of population and urban conglomeration of non-engineered or inadequately designed multi-storied buildings.

## HAZARD ANALYSIS

PROBABILITY PERIOD / SEASONALITY OF DISASTERS												
Name of Disaster	Month											
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Earthquake	←—————→											

HAZARD ANALYSIS							
Revenue Circle	Hazard Type	Year Of Occurrence	No. Of Affected Villages	No Of Affected Households	No Of Affected People	No Of Deaths	No Of Cattle's Affected
Guwahati	<b>Earthquake</b>	2020 -2021	Nil	Nil	Nil	Nil	Nil
<b>Dispur</b>		<b>2021</b>	<b>18</b>	<b>64</b>	-	Nil	Nil
Sonapur		2020 -2021	Nil	Nil	Nil	Nil	Nil
Chandrapur		2020 -2021	Nil	Nil	Nil	Nil	Nil
Azara		2020 -2021	Nil	Nil	Nil	Nil	Nil

## VULNERABILITY ANALYSIS

TYPE OF HAZARDS	YEAR OF OCCURRENCE	IMPACT ON				
		Area	Population	Life	Livelihood	Livestock
Earthquake	1897, 1950, 2021	Yes	Yes	Yes	Yes	Yes

The district experiences several low to medium intensity earthquakes regularly.



## DETAILS OF THE MULTI STATE LEVEL MOCK EXERCISE

### INCIDENT SITES

Five sites are selected for the Mock Exercise:

**Government Office:**

- ❖ Dispur Revenue Circle, Basistha Chariali

**School:**

- ❖ Narayana School, Dakhingaoon Sonaighuli

**Residential Complex:**

- ❖ Regent Paradise, Ghoramara, Hockey Stadium Road

**Hospital:**

- ❖ Excelcare Hospital, Boragaon

**Market Establishment:**

- ❖ City Centre Mall, Guwahati



### STAGING AREA

Dakhin Beltola High School Playground, Boragaon, Beltola.



### HELIPAD/HELIBASE

Veterinary Field, Khanapara

### MEDICAL AID POST (MAP)

- Bhetapara PHC, Ghoramara
- GNRC, Sixmile

## RELIEF CAMP

Srimanta Sankardev Kristi Bikash Kendra  
Namghar, Rajghar



## VARIOUS RESPONSE AGENCIES

<b>Govt. Office</b>	Dispur Revenue Circle, Basistha Chariali	Civil Defence + SDRF + F&ES
<b>School</b>	Narayana School, Dakhingaon Sonaighuli	Civil Defence + F&ES
<b>Residential Complex</b>	Regent Paradise, Ghoramara, Hockey Stadium Road	Civil Defence + NDRF
<b>Hospital</b>	Excelcare Hospital, Boragaon	SDRF + F&ES + Civil Defence (casualties)
<b>Market Establishment</b>	City Centre Mall, Guwahati	Civil Defence + SDRF + F&ES

## ACTIVATION OF IRT & COMMUNICATION ESTABLISHED THROUGH VARIOUS MEANS

Sl. No	Notified Profile in IRS	Designation
1	<b>Responsible Officer:</b>	Deputy Commissioner & Chairman DDMA, Kamrup (M)
2.	<b>Incident Commander:</b>	Addl. Deputy Commissioner & CEO, DDMA Kamrup(M)
3.	<b>Safety Officer</b>	Addl. Deputy Commissioner, Magistracy, Kamrup (M)
4.	<b>Liaison Officer</b>	Project Officer,DDMA, Kamrup (M)
5.	<b>Information &amp; media Officer</b>	DIPRO, Kamrup (M)
6.	<b>Operation Section Chief</b>	Commissioner of Police,Guwahati City.
a.	<b>Staging area Manager</b>	District Transport Officer (Enforcement) Kamrup (M)
b.	<b>Rescue &amp; response Branch:</b>	
i.	<b>Natural Disaster</b>	Dy. Director, F&ES,Kamrup (M)
ii.	<b>Epidemic &amp; Health Hazard</b>	Jt. Director, Health Services,Kamrup (M)

iii.	<b>Manmade Disaster</b>	Commissioner of Police,Guwahati City.
7.	Planning Section Chief	District Development Commissioner, Kamrup (M)
a.	<b>Situation Unit:</b>	Project Officer, DDMA, Kamrup (M)
b.	<b>Resource Unit:</b>	
c.	<b>Documentation Unit</b>	All Field Officers, DDMA, Kamrup (M) Guwahati Revenue Circle Dispur Revenue Circle Sonapur Revenue Circle Chandrapur Revenue Circle Azara Revenue Circle
d.	<b>Demobilization unit</b>	
8.	<b>Logistic Section Unit:</b>	Addl. Deputy Commissioner, Nazarat, Kamrup (M)
a.	<b>Service Branch</b>	Assistant Commissioner, Kamrup (M)
i.	<b>Communication Unit</b>	SP Communication
ii.	<b>Medical Unit</b>	Addl. Deputy Commissioner,Health, Kamrup (M)
		J. Director, Health Services,Kamrup (M)
iii.	<b>Food Unit</b>	Addl. Deputy Commissioner, Nazarat, Kamrup (M)
		Deputy Director,Food & Civil Supplies,
b.	Support Branch	Assistant Commissioner, Kamrup (M)
i.	<b>Resource provisioning Unit</b>	Executive Engineer, East TR Division
		Executive Engineer, Dispur TR Division
		Executive Engineer, West TR Division
ii.	<b>Facilities Unit</b>	Executive Engineer, PWD (B) Div.-I
		Executive Engineer, PWD (B) Div-II
		Executive Engineer, PWD (B) PCC Div
iii.	<b>Ground Support</b>	Executive Engineer, PHE Div-I
		Executive Engineer, PHE Div-II
c.	<b>Finance Branch</b>	Addl. Deputy Commissioner, Nazarat, Kamrup (M)
i.	<b>Time unit</b>	Nazir, Nazarat Branch, Kamrup (M)
ii.	<b>Compensation &amp; Claim unit</b>	Addl. Deputy Commissioner & CEO, DDMA, Kamrup (M)
iii.	<b>Procurement Unit</b>	Finance & Accounts Officer (FAO), o/o Deputy Commissioner, Kamrup (M).
iv.	<b>Cost Unit</b>	Treasury Officer, Kamrup (M) Treasury

## **SITE WISE GENERAL OBSERVATION:**

- **Regent paradise:** Public participation was not satisfactory. Proper awareness to public may be exercised so as to ensure massive public participation. Otherwise response was proper.
- **City Centre Mall:** Proper briefing and debriefing was conducted. Definitely there was a coordinated efforts of all the agencies involved in mock exercise. Improvised stretcher of blanket and rods was made by female staff of incident side. Specific task was assigned to concerned stake holders and was well effective on ground level. As community/local staff are always the first responder to the contingency. May conduct workshop for staff for first Aid eg. Dressing, CPR, Fracture. May conduct workshop for Rope rescue with the help of mountain climbing equipment and accessories. Modern gadgets can be used like Drone for searching of trapped person and overall situation assessment of incident site area.
- **Narayana School:** Well-coordinated effort from all stakeholders.
- **Dispur revenue Circle:** Response was good from responding agency. Awareness of Departmental officials and staff are needed.
- **Excel Care Hospital:** All the responders have acted as per their disaster management Plan.
- **DEOC:** Regular capacity building is required for inter departmental coordination, role clarity.
  - There is need for periodic training on IRS
  - No requisition came to DEOC for additional resources
  - The operation concluded quickly as a pre briefed / prepared drill, however, in real Scenario it will be more challenging to cope with the situation and will be overwhelmed with requirement of resources.

## **LESSON LEARNT AND SUGGESTIONS FROM DISTRICTS:**

1. Requirement of heavy earth moving equipment to the engineering departments like PWD (R), PWD (B), GMC specifically for effective response during disaster as these departments does not have their own equipment and had to depend on the external agencies and contractors.
2. A mechanism is to be developed for constituting dedicated Community Rescue Teams with handy equipment in each ward, locality so that during earthquake or any other disaster the community can respond of their own till the external response agencies reached the effected sites.
3. In the Mock Exercise it was felt that in case of disruption of communication during a disaster in real terms modalities, needs to be developed for alternate communication system through Satellite Phone, QDA etc. Moreover, a meeting with all telephone providers for finding out any alternate measures for restoration of communication system during disaster.
4. Govt. Hospitals do not have arrangements for make shift hospitals with the Hospitals. There is requirement of providing make shift hospital arrangements to health department for effective response. Option of mobile field hospitals can be explored using buses etc.
5. Providing drones to the District is also felt essential during the disaster. Necessary arrangement may be made for providing Drones and training to the disaster officials for effective ariel survey during disaster.

## PHOTOGRAPHS OF

❖ DC Office Control Room



## PHOTOGRAPHS OF

❖ Staging Area- Dakhin Beltola High School Playground, Boragaon, Beltola.



## PHOTOGRAPHS OF

❖ Hospitals – Bhetapara PHC & GNRC Sixmile



## PHOTOGRAPHS OF THE INCIDENT SITES

- Government Office:

❖ Dispur Revenue Circle, Basistha Chariali



**RESPONSE AGENCIES :** Civil Defence, SDRF and F&ES

## PHOTOGRAPHS OF THE INCIDENT SITES

- School:

❖ Narayana School, Dakhingon Sonaighuli



**RESPONSE AGENCIES :** Civil Defence and F&ES



## PHOTOGRAPHS OF THE INCIDENT SITES

- Residential Complex:

❖ Regent Paradise, Ghoramara, Hockey Stadium Road



**RESPONSE AGENCIES :** Civil Defence and NDRF

## PHOTOGRAPHS OF THE INCIDENT SITES

- Hospital:

❖ Excelcare Hospital, Boragaon



**RESPONSE AGENCIES :** SDRF + F&ES + Civil Defence (casualties)

# PHOTOGRAPHS OF THE INCIDENT SITES


- Market Establishment:

❖ City Centre Mall, Guwahati




**RESPONSE AGENCIES :** Civil Defence, SDRF and F&ES

## MEDIA COVERAGE

 Kamrup Metropolitan District Administration \*\*\*  
17 Nov · 🌐

কামৰূপ মহানগৰ জিলাৰ বিভিন্ন স্থানৰ লগতে ৰিজেন্ট পেৰেডাইজ এপাৰ্টমেণ্টতো আজি পুৱা ৯ বজাৰ পৰা ৮.৩ প্ৰাবল্যৰ ভূমিকম্পৰ এক মেগা মকড্ৰিল সফলভাৱে অনুষ্ঠিত কৰা হয়।



 Kamrup Metropolitan District Administration \*\*\*  
17 Nov · 🌐

কেবাখনো ৰাজ্যৰ লগতে কামৰূপ মহানগৰ জিলাৰ পাৰ্চটা বিভিন্ন স্থানত আজি পুৱা ৯ বজাৰ পৰা ৮.৩ প্ৰাবল্যৰ ভূমিকম্পৰ এক মেগা মক ড্ৰিল অনুষ্ঠিত কৰা হৈছে। জিলাখনৰ মকড্ৰিল অনুষ্ঠিত হোৱা এই স্থানসমূহ হ'ল: দিছপুৰ ৰাজহ চক্ৰ বিষয়াৰ কাৰ্যালয়, দক্ষিণ গাওঁ নাৰায়ণ বিদ্যালয়, ৰিজেন্ট পেৰেডাইজ, এক্সেল কেয়াৰ হস্পিডেল, চিটি চেণ্টাৰ মল।



**PROGRAMMATIC REPORT  
OF  
MULTI STATE MOCK EXERCISE IN KOKRAJHAR DISTRICT**



**Conducted by  
Assam State Disaster Management Authority (ASDMA)  
and  
District Disaster Management Authority (DDMA),Kokrajhar  
in collaboration with  
National Disaster Management Authority (NDMA)  
9<sup>th</sup>, 15<sup>th</sup> & 17<sup>th</sup> November, 2022**

**District Disaster  
Management Authority,  
Kokrajhar (DDMA)**



# **PROGRAMMATIC REPORT ON Multi State Level Mock Exercise on Earthquake Disaster**

**Conducted By-**  
**Assam State Disaster Management Authority**  
**&**  
**District Disaster Management Authority**  
**In Collaboration with-**  
**National Disaster Management Authority (NDMA)**  
**Prepared By: District Disaster Management Authority, Kokrajhar**

## BACKGROUND

The states of Assam, Arunachal Pradesh and Nagaland falls in very high seismic hazard region as per (BIS) Map entire area falls in Zone V. Thus, NDMA was organized a Multi State Mock Exercise on Earthquake Disaster for Arunachal Pradesh, Assam and Nagaland on 15<sup>th</sup> Nov, 2022 to 17<sup>th</sup> Nov, 2022 in Nine district HQ in the state of Assam viz. (1) Tinsukia, (2) Sivasagar, (3) Silchar, (4) Bongaigaon, (5) Kokrajhar, (6) Diphu, (7) Haflong, (8) Tezpur and (9) Guwahati. The exercise consists of Table Top Exercise on 15<sup>th</sup> Nov, 2022, preparation for Mock Exercise on 16<sup>th</sup> Nov, 2022 and Physical Mock Exercise on 17<sup>th</sup> Nov, 2022. The scenario (***Magnitude 8.7 earthquake occurs at 09:03 IST on 17 Nov 22. Entire NE region, especially Assam, Arunachal Pradesh and Nagaland, badly affected***) was based on a hypothetical situation and it help visualize lightly impact & validate preparedness and response effectiveness.

## HAZARD PROFILE OF THE DISTRICT

As per the BIS seismic zonation map, Kokrajhar District falls in ZoneV. Whole area of Kokrajhar District is liable to the severest design intensity of MSK IX or greater. Besides, the earthquake, the people of Kokrajhar District are also affected by natural hazards like flash floods, floods, lightning, thunderstorm, river erosion and man-made hazards like man-animal conflict, fire(domestic), ethnic violence, Road Accidents etc. Monsoon season brings all the hazards associated with it such as flash floods, thunderstorm and lightning. There is loss of life and property every year due to above said hazards.

### **EARTHQUAKE**

As per the latest seismic zoning map of India, the Kokrajhar district falls under High-RiskZone-V, where a maximum intensity of IX can be expected.

### **FLOOD/FLASH FLOOD**

The general reason of occurrence of flood in Kokrajhar district is due to overflow of river Saralbhanga, Sonkosh, Gaurang, Hell, Gangiya, Champa and their tributaries. On the arrival of Monsoon flood is eminent in Assam. Kokrajhar is also considered as one of the floods prone districts of Assam. Basically, in Kokrajhar District floods occurs due to heavy rain causes flash flood in major rivers of the district.

Hazard Type	Year of Occurrence	No of Affected Villages	No of Affected Household	No of Affected people	No of Deaths	No of Cattle Lost
Flood	2017	373	25857	151060	4	0
	2018	12	274	1598	0	0
	2019	483	43075	217794	0	0
	2020	4	46	242	4	0
	2021	2	25	123	0	0

## **FIRES**

The fire takes place in Kokrajhar district mainly due to short circuit and careless handling of domestic LPG cylinders and other flammable items in the houses. Mainly fire takes place from December to April when the climate remains very dry and probability is more instance of fire breakout.

Hazard Type	Year of Occurrence	No of Affected Villages	No of Affected Household	No of Affected people	No of Deaths	No of Cattle Lost
Fire	2017	2	0	0	0	0
	2018	6	1	9	1	0
	2019	7	6	30	0	2
	2020	5	12	52	0	0
	2021	10	7	34	0	0

## **THUNDERSTORM**

According to BMTPC wind hazard map Kokrajhar district lying in zone of high damage where wind speed can reach up-to 47 m/s. Thunderstorm occurs between March to May every year.

Hazard Type	Year of Occurrence	No of Affected Villages	No of Affected Household	No of Affected people	No of Deaths	No of Cattle Lost
Thunderstorm	2017	689	19993	86815	0	5
	2018	128	2008	9658	1	0
	2019	127	2867	11994	0	0
	2020	205	6926	21298	0	0
	2021	298	3974	12698	0	2

## **LIGHTNING**

Hazard Type	Year of Occurrence	No of Affected Villages	No of Affected Household	No of Affected people	No of Deaths	No of Cattle Lost
Lightning	2017	1	1	3	0	2
	2018	4	6	9	3	1
	2019	6	6	13	2	0
	2020	4	3	2	6	1
	2021	3	6	1	1	2

## ***OBJECTIVES OF THE MOCK EXERCISE***

The objective of this exercise was to measure and validate performance of following components and their associate critical task: -

- ❖ Identification and aggregation of responders, ability to suitably select sites for Incident Response System (IRS) facilities and activate them, composition of Incident Response Team (IRT).
- ❖ The mock drill exercise is aimed to make every department in ready mode and their coordination with other stakeholders in order to tackle any kind of disaster situation.
- ❖ Response Plans (DDMP, Departmental DMPs) at respective level

- ❖ Knowledge about ESF and institutionalization thereof in the departments/District
- ❖ The mock exercise is aimed to evaluate warning systems, alert protocols, Emergency Operation Centre functioning and communications, ability to build situation awareness and allocate resources.
- ❖ Response Plan of District Hospitals
- ❖ Identify the gaps in the existing resources, man power, communications etc.
- ❖ Restoration and ability to receive assistance and aid through road and air.

## ***DETAIL OF THE MOCK EXERCISE CONDUCTED***

### **❖ NAME OF THE FIVE (05) SITES FOR MOCK ACTIONS**

1. **SCHOOL** : DN Himmat Singka High School, Subhashpally, Coordinates 26.40637, 90.27051
2. **GOVT. OFFICE BUILDING** : DLR Building, Near Raas Field, Coordinates 26.40308, 90.27179
3. **RESIDENTIAL AREA** : House of Mr. Suman Banerjee, Bidhanpally, Coordinates 26.40536, 90.26583
4. **SHOPPING MALL** : Vishal Mega Mart, JD Road, Gwjwnpuri, Coordinates 26.41884, 90.27853
5. **HOSPITAL** : RNB Civil Hospital, Kokrajhar, Coordinates 26.40197, 90.27469

## **STAGING AREA DETAILS**

Staging area located at Govt. HS&MP playground, Kokrajhar where all resources were gathered. Fire Tender-03, Truck- 03, JCB-02, Dead Body Carrying Van -02, Crane-01, PCR Van-03, Bus-03, Ambulance-05, Medical Teams-24 persons including 4 Doctors, Fire & ES personnel-23, CISF-50, NDRF-25, AAPDA Mitra-57, Civil Defence-08

## **VENUE WISE RESPONSE BY VARIOUS RESPONSE AGENCIES**

1. **SCHOOL:** F&ES, NDRF carry out rescue operation at DN Himat Singka High school, Kokrajhar where total 15 Nos of victims were rescued out of which medical team transported and triaged two reds and two yellow patients and two dead bodies also recovered from the spot. F&ES also douse fire which was ignited at Kitchen of the school. Wireless operators from APRO with walkie talkie relay ground information's to EOCs and other responding agencies from the incident spot. Municipality authorities were managed dead bodies as per Dead body management plan. PWD (RR) clears the debris from the roads for movement of casualties and first responders.

NO OF VICTIMS	LOCATIONS	RESCUE TECHNIQUES
2	First Floor (New Building)	Normal Rescue
2	First Floor (New Building)	Dead Body in Stretcher
2	First Floor (New Building)	Rope Rescue
1	Ground Floor (New Building)	Normal Rescue
4	Ground Floor (New Building)	Normal Rescue
4	Ground Floor (Old Building)	Normal Rescue

**2. GOVT. OFFICE BUILDING:** CISF, NTPC Salakati carry out rescue operation and also extinguish fire at DLR Office building Kokrajhar where total 12 Nos of victims were rescued out of which medical team transported and triaged two reds and two yellow patients and two dead bodies also recovered from the spot. Wireless operators from APRO with walkie talkie relay ground information's to EOCs and other responding agencies from the incident spot. Municipality authorities were managed dead bodies as per Dead body management plan. PWD (RR) clears the debris from the roads for movement of casualties and first responders.

NO OF VICTIMS	LOCATIONS	RESCUE TECHNIQUES
1	First Floor	Rope Rescue
2	First Floor	Stretcher
2	First Floor	Fore & Aft
5	Ground Floor	Normal Rescue
2	Ground Floor	Dead Body in Stretcher

**3. RESIDENTIAL AREA:** NDRF carry out rescue operation at House of Mr. Suman Banerjee, Bidhanpally where total 10 Nos of victims were rescued out of which medical team transported and triaged two reds and two yellow patients and two dead bodies also recovered from the spot. Wireless operators from APRO with walkie talkie relay ground information's to EOCs and other responding agencies from the incident spot. Municipality authorities were managed dead bodies as per Dead body management plan. PWD (RR) clears the debris from the roads for movement of casualties and first responders. One PCR van with police officials was present at spot for crowd control and help municipal authorities to manage dead bodies. Dead bodies were carried by dead body carrying van.

NO OF VICTIMS	LOCATIONS	RESCUE TECHNIQUES
4	First Floor (Staircase)	Normal Rescue
2	Ground Floor	Dead Body in Stretcher
4	Ground Floor	Normal Rescue

**4. SHOPPING MALL:** CISF unit NTPC Salakati carry out rescue operation at Vishal Mega Mart Kokrajhar where total 10 Nos of victims were rescued out of which medical team transported and triaged two reds and two yellow patients and two dead bodies also recovered from the spot. Wireless operators from APRO with walkie talkie relay ground information's to EOCs and other responding agencies from the incident spot. Municipality authorities were managed dead bodies as per Dead body management plan. PWD (RR) clears the debris from the roads for movement of casualties and first responders.

NO OF VICTIMS	LOCATIONS	RESCUE TECHNIQUES
2	First Floor	Fire lift
2	First Floor	Stretcher
2	First Floor	Dead Body in Stretcher
4	Second Floor	Normal Rescue



**5. HOSPITAL:** F&ES, Kokrajhar carry out rescue operation and extinguished fire at Ground Floor of Geriatric unit of RNB Civil Hospital, Kokrajhar where total 8 Nos of victims were rescued out of which four serious patients were transported to another hospital. Whereas also a surge facility of 12 Beds created by hospital authorities to ensure casualties were treated properly. Wireless operators from APRO relay ground information's to EOCs and other responding agencies from the spot. PWD (RR) clears the debris from the roads for movement of casualties and first responders.

NO OF VICTIMS	LOCATIONS	RESCUE TECHNIQUES
8	Ground Floor (Geriatric unit)	Normal Rescue

## ACTIVATION OF IRTS AND ROLE PLAYED

**Magnitude 8.7 earthquake occurs at 09:03 IST on 17 Nov 22. Entire NE region, especially Assam, Arunachal Pradesh and Nagaland, badly affected.**

At Kokrajhar district total 5 locations were impacted. As well as the District EOC was activated and all the Section Chiefs, staging area manager, Incident Response Team were informed by the DEOC through Messenger, Landline phone and Wireless VHF sets.

All the concern Key Officers –RO, IC, Operation section chief, Logistic Section Chief and other supporting staff were reached at the DEOC and started the work assigned as per IRS Plan.

IC collected the information from field and incidence sites through various sources and accordingly planning section made the Plan as per resources available and identified by the Logistic Section. Operation work was started accordingly by the various task forces, F&ES, CISF, NDRF, PWD, medical team, transport and police under the supervision of OSC and IC. The report of the damage and loss were sought by the SEOC, Guwahati. Report of Losses and damage collected by The RO and Incident Commander from The Police Mobile Teams, Fire Team, IRTs and other Field offices and Community were shared with SEOC, NDMA, MHA and other higher authorities.

Once the DEOC were activated the DC / RO & District IRT established the respective Command posts, Staging area, Relief Camps, etc. Resources like Ambulances, trucks, buses were deployed at the staging area per requirement and availability of resources in the district for the response.

Teams of Task forces, NDRF, CISF, PWD, Ambulance, JCBs, Transport Vehicles, the local police, fire services, home guards & available paramilitary forces and other authorities rush to the incidence sites from Staging Area as per directions of DEOC. Teams started search and rescue & Evacuation operations.

The Incident: The earthquake struck at 09:03 AM and first report to this effect came in to DEOC at 09.10 AM from field. The final report of loss as received from the field was 8 Deaths, 16 Injuries, 55 persons trapped & rescued, 20 Hospitalized, 5 buildings damaged badly, 1 Schools damaged, 3 major fires were reported. The Mock exercise was called off at 12:35 PM. The Responsible Officer, DEOC and Incident Commander briefed the Press about the situation of earthquake mock exercise in the DC Office, Kokrajhar at 4:00 pm.

<b>Time</b>	<b>Activities</b>
09:03HRS	Incident (Alerting through Siren)
09:15HRS	EOC Activated
09:30HRS	IRT Members present at EOC
10:00HRS	Initial Damage information received from 2 sites (DNH High School, Kokrajhar, Vishal Mega Mart)
10:15HRS	Response & IAP Prepared and activated
10:30HRS	Resource gathered at Staggering area Fire Tender-03 Truck- 03 JCB-02 DBCV-02 Crane-01 PCR Van-03 Bus-03 Ambulance-05 Medical Teams-24 persons including 4 Doctors Fire Teams-23 CISF-50 NDRF-25 AAPDA Mitra-57 Civil Defence-08
11:00HRS	Task Force 1 reached Incident location at DNH School and started extinguished the fire which was started at Kitchen.
11:10HRS	Task Force 2 reached Vishal Mega Mart
11:15HRS	Task Force 3 information received
11:20HRS	Task Force 4 informed
11:25HRS	Task Force 3 reached incident location at DLR Office and started extinguished the fire which was started at First floor of the building.
11:30HRS	Task Force 4 reached incident location Casevac started from DNH School
11:35HRS	Casevac started from Vishal Mega mart & DLR Building
11:40HRS	Relief Camp opened at Kokrajhar Govt. HS & MP School Play Ground
11:45HRS	Aftershock in which hospital Geriatric Unit damage and 8 persons were trapped and Fire Incident takes place
11:50HRS	Fire Tender despatched for Hospital and Casevac 4 nos. persons and further shifted to Other Hospital
11:55HRS	Fire Team reached Hospital
12:05HRS	Fire Under control
12:30HRS	All resources gathered again in Staggering area
12:35HRS	As per Demobilisation Plan all resources are demobilised.
Task Force (TF) formed	- 5 nos.
DNH School	- TF 1(NDRF-13, Medical team-6, Ambulance-2, F&ES-2)
Vishal Mega Mart	- TF 2(CISF-17, Medical Team-6, Ambulance-1)
DLR Office	- TF 3(CISF-19, Medical Team-6, Ambulance-1)
Residential Apartment Bidhanpally-	TF 4(Medical Team-06, NDRF-12)
RNB CH	- TF 5(F&ES-11)

## COMMUNICATION ESTABLISHES THROUGH VARIOUS MEANS WITH THE STATE ETC.

Communication establishes through HF, VHF by APRO to relay ground information to State Headquarters, EOC and other responding agencies. Satellite phone was also used to pass information. Apart from that with the help of DIPRO mobile miking system was arranged to inform first responders, volunteers and common people about staging area, ICP and Relief Camps.

## SITE WISE GENERAL OBSERVATION

- ❖ **SCHOOL:** After the earthquake initial response by school authority was done properly as per SDMP. Duck Cover Hold was practised and students were later gathered at Assembly point where head count was done. Incident commander reached the spot and collect information which was immediately relay to EOC through APRO and Task force commanders assess the site situation on arrival at incident sites and briefed troops to carry out further evacuation. Simultaneously search and rescue operation started by NDRF & F&ES and medical team doing triage to the victims who were rescued and transported the victims to hospitals. F&ES also doused fire which was started at Kitchen of the School using fire tender. Incident Command Post and Medical Aid post was also prepared at the incident site.
- ❖ **SHOPPING MALL:** Following the earthquake preliminary response by mall authority was done properly as per DMP. Standard evacuation technique was used to evacuate people from the mall. Emergency exits were used to evacuate people. Incident commander reached the spot and collect information which was immediately relay to EOC through APRO and Task force commanders assess the site situation on arrival at incident sites and briefed troops to carry out further evacuation. Simultaneously search and rescue operation started by CISF unit NTPC Salakati and medical team doing triage to the victims who were rescued and transported the victims to hospitals. Incident Command Post and Medical Aid post was also prepared at the incident site.
- ❖ **GOVT. BUILDING:** subsequent to the earthquake people and office staffs evacuate themselves who were not trapped and one of them provide information to task force commanders about the number of people trapped inside. Task force commanders assess the site situation on arrival at incident sites and briefed troops to carry out further evacuation. Simultaneously search and rescue operation started by CISF unit NTPC Salakati and medical team doing triage to the victims who were rescued and transported the victims to hospitals. A fire also broke out at first floor of DLR building which was successfully extinguished by CISF unit NTPC Salakati using fire extinguisher and fire tender. Incident Command Post and Medical Aid post was also prepared at the incident site.
- ❖ **RESIDENTIAL AREA:** subsequent to the earthquake people from house of Mr. Suman Banerjee, Bidhanpally evacuate them who were not trapped and one of them provide information to task force commanders about the number of people trapped inside. Task force commanders assess the site situation on arrival at incident sites and briefed troops to carry out further evacuation. Simultaneously search and rescue operation started by NDRF and medical team doing triage to the victims who were rescued and transported the victims to hospitals. Incident Command Post and Medical Aid post was also prepared at the incident site. Police with PCR van stayed at the spot to manage crowd and traffic.
- ❖ **HOSPITAL:** After the earthquake initial response by RNB Civil hospital authority was done properly as per DMP. Doctors and staffs duly assigned for incoming casualties. Separate surge area for patients also prepared and a medical aid post was prepared at the hospital compound. After an aftershock a fire incident takes place at Hospital Geriatric Unit. F&ES Task force

commander assess the site situation on arrival at incident sites and briefed troops to carry out further evacuation. Simultaneously search and rescue operation started by F&ES. F&ES also extinguish fire at Geriatric Unit using fire tender. Medical Aid post was also prepared at the incident site. However, four patients who were rescued in serious condition immediately shifted to another hospital by two ambulances.

At the EOC all sections have detailed in systematic manner, command post, communication centre, rehabilitation centre has been earmarked. All agencies asked their requirement/ addl. requirements to carried out their tasks.

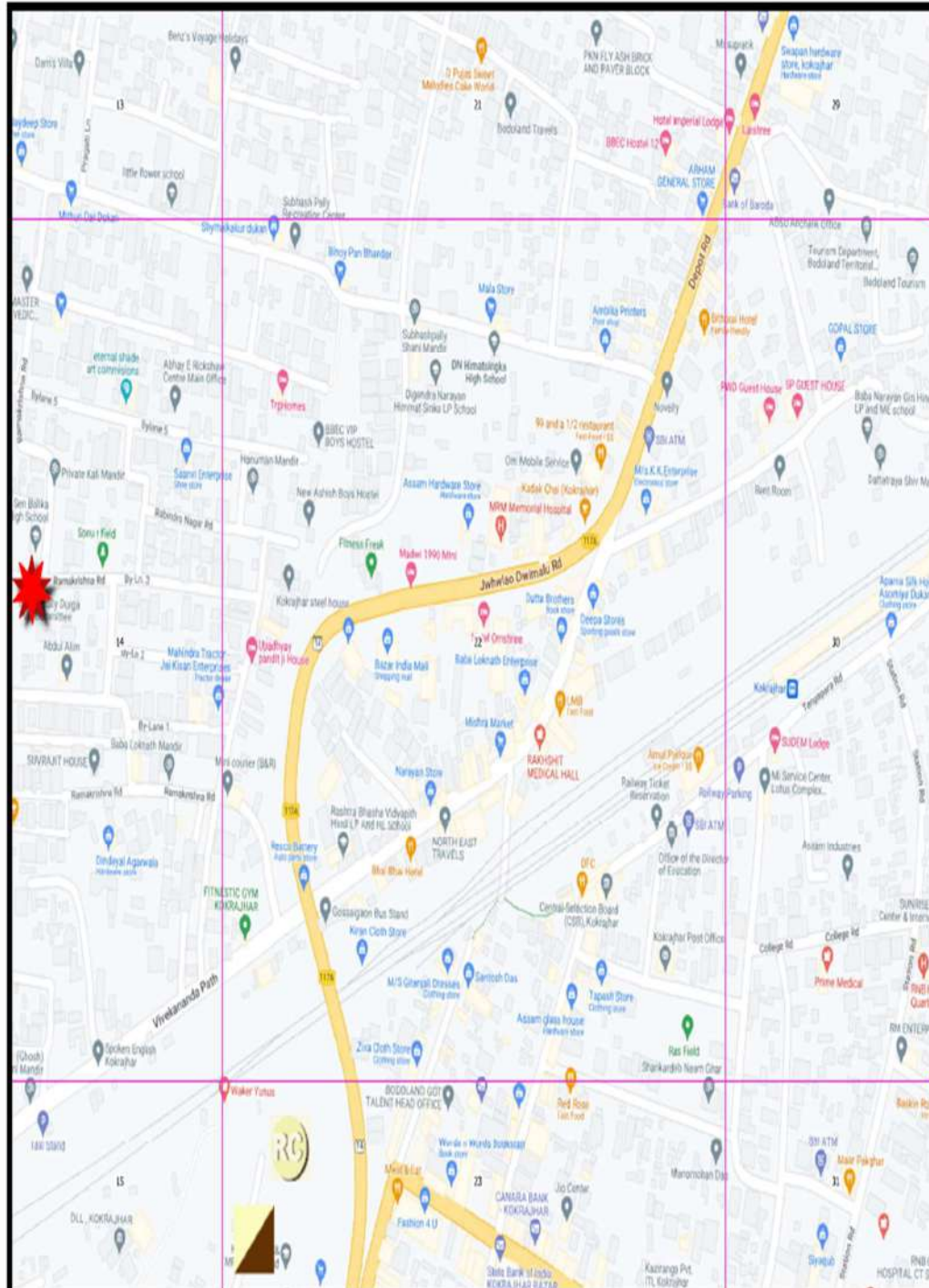
## **LESSON LEARNT AND SUGGESTIONS FROM DISTRICTS**

- ❖ Mock Drill was very important for establishing better combination among all stakeholders.
- ❖ Dealing with disaster situations and manage casualties also simultaneously work with multi agencies.
- ❖ Traffic control should be taken care in such Mock Drill.
- ❖ More detail demonstration programme is necessary.
- ❖ Such type of Drills with various emergencies should be done at regular interval. So that smooth co-ordination to be made with all agencies.
- ❖ Need to develop alternate/several mode of communication to relay information to all stakeholders if necessary.
- ❖ Frequent Awareness Program among different sections of public is necessary.
- ❖ Mass Casualty Management strategies need to develop involving all stakeholders.
- ❖ Co-ordination between stakeholders/organisation/agencies need to improve.
- ❖ APRO personnel need to trained on relay of Disaster information more precisely.
- ❖ Community Participation through widespread media coverage and regular drill at Micro level up to village level.
- ❖ HAM Radio, Wireless, HF, VHF and VSAT are required to be placed in the DEOCs for better communication.
- ❖ There should be proper training of District/ Sub division level officers/staffs on various aspects of Incident Response System.
- ❖ Training also to be arranged for telecommunication personnel to establish effective communication during crisis period.
- ❖ There is a need of additional ARMY personnel stationed near to Kokrajhar Town Area for emergency response.
- ❖ There is a need of additional SDRF personnel in Kokrajhar District. Presently, only 10 SDRF personnel for whole district.
- ❖ There is a need of additional Fire & ES Station for Kokrajhar District. Presently, only two Fire & ES Station with 36 fire fighters.

- ❖ Needs more training for inter departmental coordination for IRT.
- ❖ Needs more communication equipment like High Frequency Set, HAM Radio, Walkie Talkies etc.
- ❖ Requirement of Multi-Purpose Gas Detector, High Rescue Ladder Equipment.

## MAPS OF KOKRAJHAR TOWN

### KOKRAJHAR TOWN MAP GRID NO :22



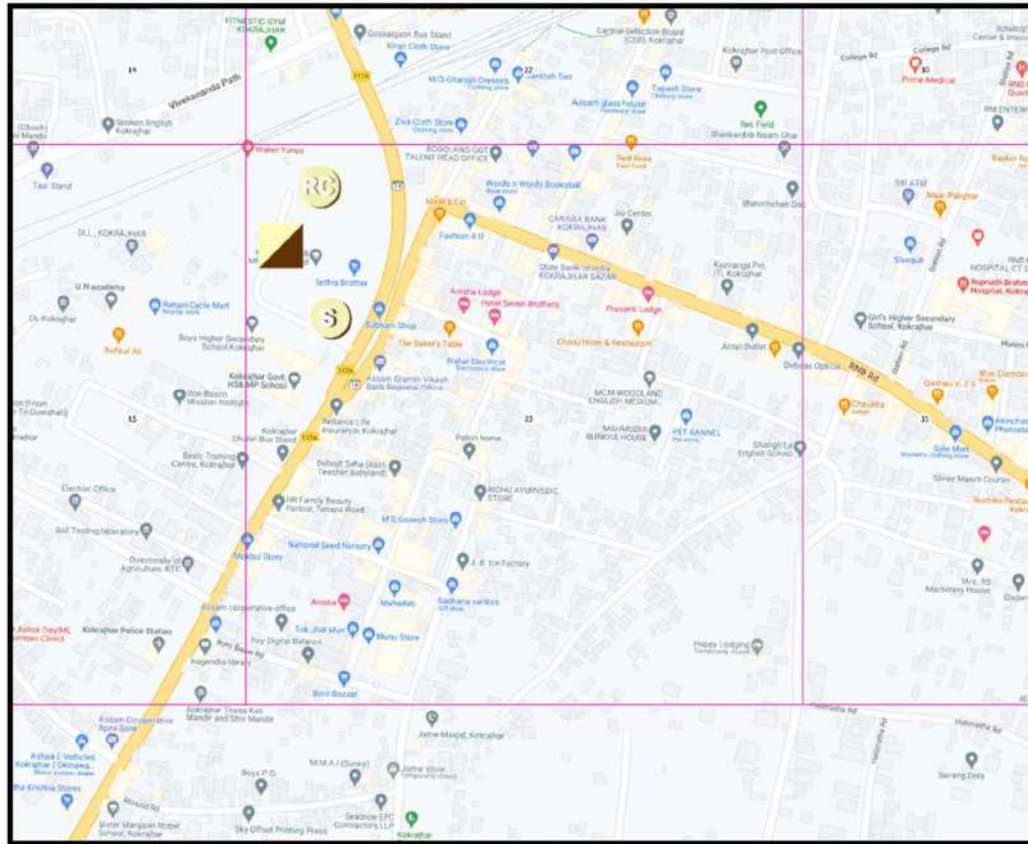
#### Layers



0 75 150 m



# KOKRAJHAR TOWN MAP GRID NO :23



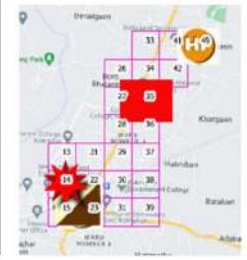
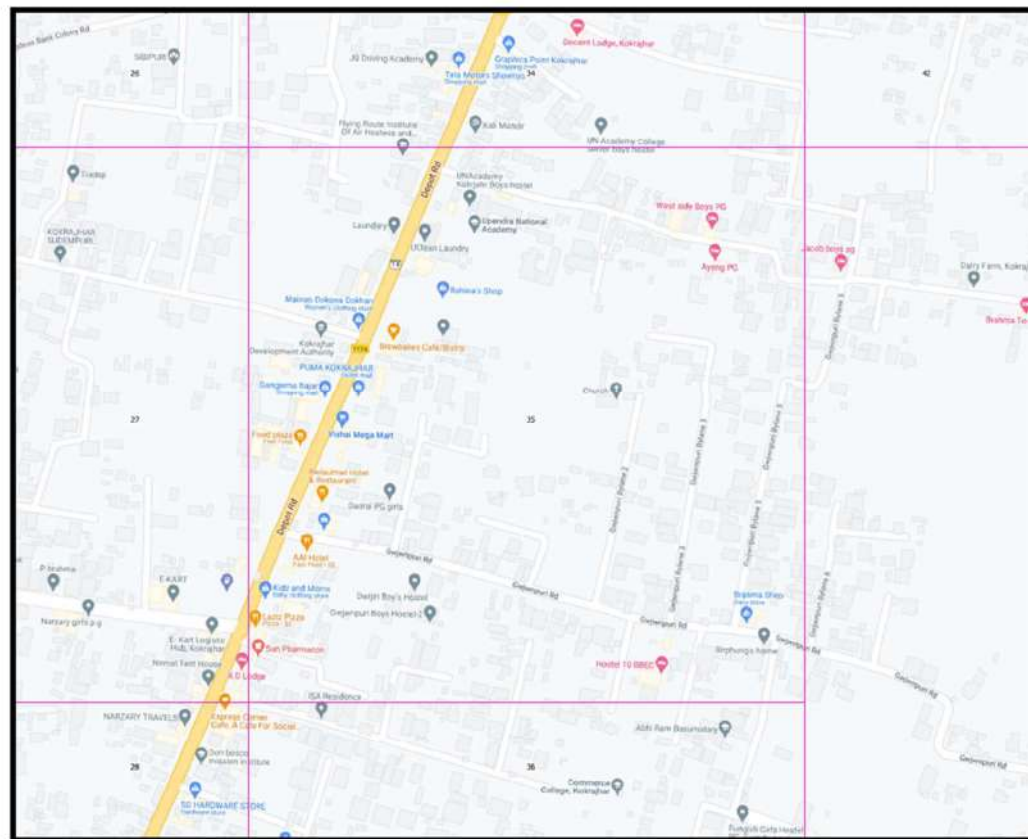
### Layers

-  Residential\_Apartment
-  ICP
-  Relief\_Camp
-  Staging\_Area
-  Helipads
-  Town\_500x500


0 75 150 m



# KOKRAJHAR TOWN MAP GRID NO :35



### Layers

-  Residential\_Apartment
-  ICP
-  Relief\_Camp
-  Staging\_Area
-  Helipads
-  Town\_500x500

0 75 150 m





STAGGING AREA

INCIDENT COMMAND POST







D  
E  
O  
C

# DRILL SITE



# DRILL SITE



# DRILLS



# DRILLS



# Mock exercise on earthquake conducted



OUR CORRESPONDENT

**KOKRAJHAR, Nov 18:** National Disaster Management Authority (NDMA) in collaboration with Assam State Disaster Management Authority (ASDMA) and District Disaster Management Authority (DDMA), Kokrajhar conducted the State Level Mock Exercise on Earthquake Disaster on Thursday.

Altogether 5 locations were selected as affected venues in Kokrajhar District namely DN Himatsingka High School, residential apartment at Bidhanpally, RNB Civil Hospital, Vishal Megha Mart and DLR office building. Immediately after blowing of earthquake siren at 9.03 am, all the designated places such as District Emergency Operation Centre (DEOC), Staging Area, Incident Command Post, Medical Aid Post etc were activated as per Incident Response Structure. All the available resources like search and rescue teams, fire fighting teams, SDRF, Medical Teams and other QRTs

(Quick Response Team) etc were mobilized at the Staging area from where the deployment of resources was done based on actual need of the simulation sites. The injured patients were given first aid treatment at the medical aid post set up at the incident site and from where the severely injured victims were taken to RNB Civil Hospital. Besides the District Administration, SSB, SDRF, NDRF, Fire and Emergency Services, CISF, Line department officials, State Police, Aapda Mitras, Community Volunteers etc actively participated in the said mega event. Independent observers were also appointed from NDRF and Army for the said mock exercise and submitted their observation accordingly in the debriefing session.

This exercise has been a big learning opportunity for all the stakeholders to learn new things, identify the gaps and to take corrective measures which will ensure smooth coordination amongst all the stakeholders during a real situation.

In Chirang district also the NDMA in collaboration with ASDMA and DDMA, Chirang carried out the State Level Mock Exercise on Earthquake Disaster on Thursday. The five venues where the mock exercises were held are Delhi Public School, BGR Township of Dhaligaon, IOCL-BGR Administrative Building, District Transport Office building, Chirang Police Reserved Staff Quarter and JSB Civil Hospital, Kajlagaon.

MEDIACOVERAGE



Ddma Kokrajhar is with Deputy Commissioner Kokrajhar and কমল কিশোর হাজৰিকা in Kokrajhar.

17 November at 21:03 · 🌐

Multi State Level Mock Exercise on Earthquake Disaster at Kokrajhar Town



👍 Jayanta Sarkar, Kripaljyoti Mazumdar and 8 others

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**PROGRAMMATIC REPORT  
OF  
MULTI STATE MOCK EXERCISE IN TINSUKIA DISTRICT**



**Conducted by  
Assam State Disaster Management Authority (ASDMA)  
and  
District Disaster Management Authority (DDMA), Tinsukia  
in collaboration with  
National Disaster Management Authority (NDMA)  
9<sup>th</sup>, 15<sup>th</sup> & 17<sup>th</sup> November, 2022**

## **BACKGROUND:**

The District Disaster Management Authority, Tinsukia in collaboration with Assam State Disaster Management Authority, Dispur, Guwahati-6 and National Disaster Management Authority had conducted a two day long Multi State Mock Exercise on Earthquake Disaster on 15<sup>th</sup> and 17<sup>th</sup> November, 2022 at Tinsukia District HQ.

A Table Top Exercise was held on 15<sup>th</sup> Nov, 2022 through video conferencing with all the key stakeholders of Tinsukia District with ASDMA and NDMA. After the Video Conference, Sri Dipu Kr. Deka, ACS, Addl Deputy Commissioner & CEO, DDMA, Tinsukia had a detailed discussion with IRT members and all the stakeholders, viz., Police Dept, Jt Director of Health, SDRF, Fire & Emergency Services, DTO, Tinsukia Municipal Board, Army, CRPF, Civil Defence, NCC, Local NGO etc. For casualty and participation in the Mock Exercise, 100 (Hundred) Civil Defence volunteers, Aapda Mitra, NCC cadets and students from Tinsukia College, Tinsukia Govt Boys ITI were selected and briefed in the Table Top Exercise.

## **HAZARD PROFILE OF THE DISTRICT:**

Tinsukia district is situated in the riverine region and having a proximity to Dihing-Patkai Range. This district has a high amount of rainfall primarily because of the clouds of the monsoon. This leads to very high rainfall in the whole district. Such a heavy rainfall causes largely flash floods and occasionally erosion etc.

The whole Tinsukia district falls under the seismic zone V and so vulnerable in terms of Earthquake, as well as the whole district is on alluvial soil stratum and on the foothills of Himalayan range. The major earthquake that occurred in 1950, it was seen that the physiographic appearance of Sadiya Sub- division was totally changed and the whole road communication network was disrupted.

There are frequent occurrence of storm and heavy rain in Tinsukia district especially in Margherita Sub- division. There are incidents of recurrent storm in the subdivision.

Erosion is a major problem in Tinsukia District. It will be mention-worthy that the effect of erosion in Dibru-Saikhowa WLS Division, a National Heritage spot, is of



great importance as it may aggravate the effect of any major flood or earthquake in future causing heavy loss of human life and property along with wildlife.

Tinsukia is a primarily an agricultural district with industrial areas accounting less than 1% of the total area of the district but has many major hazardous industries including numerous small scale factories and industries etc. There is IOCL refinery at Digboi & its marketing terminal at Tinsukia and Coal India Limited establishments at Ledo near Margherita along-with one LPG bottling plant at Gopanery near Makum Railway Junction. In Tinsukia District there are many oil fields and the threat of blowout and fire is always there. In 2020, there was a heavy blowout of gas and fire incident in Baghjan which displaced thousands of people from their home and the fire couldn't be doused for long six months. There are few more major incidents in these establishments in the past -one terrorist attack on oil storage tank on 7/3/2003 and a massive fire broke out at PNGB Road in Digboi town due to oil pilferage from oil field on 13/5/2009.

There are many small tea gardens and industries located near human habitats in the district which may cause a threat of contamination of paddy fields as well as ground water causing damage to both human and livestock,

Based on the previous history, Tinsukia district has an unexpected rainfall and flash flood. This district receives high amount of rainfall during the rainy season. As a result most of the rivers get excess water and experience floods.

The major river flows through the district are Brahmaputra, Buri-dihing, Nadihing, Tirap, Dirak, Dibru, Dangori and Dhola river and that also cause annual floods and river bank erosion.

The major rivers cause flood at least once a year.

The most flood vulnerable villages of Tinsukia district are as follows

**Under Tinsukia Revenue Circle** – Garamjan No.1 & No.2, Rangagora, Erasuti, Balijan Gaon, Natun Rongagora, Khamti Guhali, Laika Rigbi Gaon, Fasidia Gaon, Pamua Gaon.

**Under Doomdooma Revenue Circle** – Now Kata NC, No.2 Kapahtoli NC, No.1 Kapahtoli NC, Falai, Htighuli, Goroimari, No.1 Gohain Gaon, No.3 No Bormura, No.2 No Bormura, Khuti Pathar, saikhowa Gaon, Bhabong Gaon, No Bormura, No. Bisoni Mukh, No.2 Bisoni Mukh, No.2 Dhola bagan, Law pani NC, Bhojani, Upar Law pani, Tenga Pani, Dirok Mukh, Haluapathar, Bukapathar, Baghjan Gaon, No.1 Dorjijan, No.1 Purani Motapung , No.2 purani Motapung, No.1 Hatibat, No.2 Hatibat, Kaliapani, Kahgorijan, Nepali Chiring, Dangori Chiring, Hatikuwa, No.30 Chumaijan, No.1 Badalpathar, no.1 Tamuli, No.2 Tamuli, Ajokha Gaon, Bhereka, kailashpur, Laina, Lawpati, Phulbari Habi, Chumani, No.1 Bordirak Village.

**Under Margherita Revenue Circle** – No.1 Toklong, No.2 Toklong, kamba, ning Gam, NC Ning Gam, NC Gharphalia, No.1 Pungsung, Sarudubi NC, Katha kakharani, Katha Chandrapur, No.1 Tinisuti, No.2 Tinisuti, No.1 Muluk Bongali, No.2 Muluk Bongali, No.2 Bisa Gaon, No.1 Mulung Gaon, No.2 Mulung, Amrit Gaon, Manmau Kuhiabari, Roth Duba, Dibong Fakial, Dibong Bari, No.1 Alubari, No.2 Alubari, No.3 Alubari Namdang Bahbari, Namdang Bahbari, Kumarpatty, Margherita Town, No.4 Makum Block, No.5 Makum Block.

**Under Sadiya Revenue Circle**- Gurung Basti, Chapakhowa Town, 2 No. Chapakhowa, Kindil nagar, Kundil Na-jia, Mugalpur, Bishnupur Bhatikuti, 2 No. Bishnupur Borgohain, 1 No. Bishnupur Pohukhowa, 2 no. bishnupur Pohukhowa, Haripur, Disoi Nadiwala, 1 No. Kundil, 2 No. Kundil, Lakhimpuria Nepali, 2 No. Lakhimpuria, Lakhimpuria Gaon, Padumphula, 1 No. Boiragimath, 2 No, Boiragimath, 2 No. Gohain Gaon, Kundil Kinar, Doompathar, Majgaon, Telikola, Boshga Gaon, 2 No. Boshga Gaon, Na- gaon, Bhabala, Bill Gaon, Hollow Gaon, Rajmao Na-Paglam, Nasai Asomiya, Upor Nasai, Tupsing No.1, Lakhimi Pathar (Nodikinar), 2 No. Na-patia (One part), Chandrapur, Ghosala Abor Miri, No.1 Muluk Chapori, Dikrong, Jhiyan Gaon (Galf Part), No.1 Torani, Lakhyapur, Dhara Gaon, Amarpur Area, Pachan Gaon, Vosolokaguri, Mingmang, Bahbari, Taliya Bari, Ghapur, No.1 Karmi, No.2 karmi, Madhupur, Chling, Panchagharia (six village at Amarpur), Shantipur Nepali, No.2 Mechaki, Bozalgaon, Purana Sadiya Chapori, Purana Bazal Gaon, Miri Chapori.

Thus, Tinsukia district is vulnerable to various hazards as mentioned above.

## **OBJECTIVES OF THE MOCK EXERCISE:**

The overall objective of the Mock Exercise on Earthquake Disaster was to review the strengths and capabilities of the District Administration, Tinsukia, emergency responders, hospitals etc. as they prepare to meet the earthquake catastrophes in the state of Assam which is located in the most vulnerable seismic zone i.e. zone V. It also tried to bring role clarity among the responders and create public awareness among the public.

## **DETAIL OF THE MOCK EXERCISE CONDUCTED:**

On 18<sup>th</sup> Nov, 2022, a mass casualty scene due to earthquake of magnitude 8.7 was simulated at 9:03 AM by blowing sirens indicating the start of the Mock Exercise at the following 5 (Five) pre-identified venues in Tinsukia Town :

1. District Transport Office, Tinsukia
2. Industrial Area, Borguri,
3. Boys ITI, Borguri,
4. Green Tower, Khargeswar Road, Tinsukia,
5. LGB Civil Hospital, Tinsukia

The IRT team assembled at DEOC Tinsukia and the Deputy Commissioner, Tinsukia took the charge as responsible officer and all the IRT members reported to him in DEOC at about 9:20 AM. The Responsible Officer called up the OC, Tinsukia Sadra Police Station and took stock of the situation. All the Section Chiefs of IRS took hold of their position and gave direction to all the members.

The Govt Boys ITI Play Ground, Borguri was selected as the Staging Area for the Mock Exercise and the following posts were operated from this location. All the resources deployed for response was regulated from there.

- 1. Incident Command Post**
- 2. Camp (for responders)**
- 3. Helipad**

Sri Dipu Kr. Deka, ACS, Addl Deputy Commissioner & CEO, DDMA Tinsukia was the Nodal Officer and Incident Commander of the whole Mock Exercise. He was assisted by the Deputy Incident Commander Smt. Nilakshi Bhuyan, ACS, Branch

Officer DM. Triage areas were set up at different sites of the disaster and all the victims were transferred by GVL EMRI 108 Ambulance Service to LGB Civil Hospital, Tinsukia with realistic time delays into the system. A temporary Relief Shelter was also opened at Govt. Boys ITI campus to give shelter to the evacuated people and give medical aid and gratuity relief etc.

**1. District Transport Office, Tinsukia:** A QRT team comprising of Smt. Aparupa Borgohain, ACS, EM, Mob No. 7002271631, APRO personnel, Tinsukia Civil Defence officials and volunteers, Aapda Mitra rushed to the building as per instruction of the Incident Commander and conducted search and rescue operation. The details of the mock victims were as follows:

1. Evacuation: 12,
2. Minor Injury: 8
3. Critical injury:4
4. Death: 2

Two ambulances were used for the Mock exercise and Police Force and Traffic Teams were also engaged for traffic and crowd control.

**2. Industrial Area, Borguri:** A QRT team comprising of Sri Kongkon Jyoti Saikia, ACS, EO, Tinsukia Mob No: 985936676, APRO personnel, Tinsukia, SDRF & Fire & Emergency Services, Tinsukia rushed to the building as per instruction of the Incident Commander and conducted search and rescue operation. A scene of chemical fire and hazardous chemical reaction due to earthquake was enacted in the factory. The details of the mock victims were as follows:

1. Evacuation: 12,
2. Minor Injury: 10
3. Critical injury:4
4. Death: 2

Two ambulances were used for the Mock exercise and Police Force and Traffic Teams were also engaged for traffic and crowd control.

**3. Boys ITI, Borguri:** A QRT team comprising of Smt. Dimpny Bhattacharyya, AL&RS, Circle Officer (A), Tinsukia Mob No. 9706239036, APRO personnel, Tinsukia, CRPF Battalion from Monkhuli, Tinsukia rushed to the building as per instruction of the Incident Commander and conducted search and rescue operation. The students were evacuated to a safer place and head counting was done by the

teaching staffs. There was a report of fire in the institute campus due to earthquake and as per instruction of the Incident Commander, a Fire Tender from Indian Oil Corporation, Digboi rushed to the spot from staging area and doused the fire. The details of the mock victims were as follows:

1. Evacuation: 12,
2. Minor Injury: 10
3. Critical injury: 4
4. Death: 2

Two ambulances were used for the Mock exercise and Police Force and Traffic Teams were also engaged for traffic and crowd control.

**4. Green Tower, Khargeswar Road, Tinsukia:** A QRT team comprising of Sri Chinmoy Pathak, ACS, CO, Tinsukia Rev. Circle, Mob: 9716385641, APRO personnel, Tinsukia, NDRF Team and Rajputana Rifles from Laipuli Army Camp rushed to the building as per instruction of the Incident Commander and conducted search and rescue operation. There was a report of people trapped inside the damaged building and a combined search and rescue operation by NDRF and Army was conducted and trapped victims were rescued and immediately moved to the LGB Civil Hospital Tinsukia. The details of the mock victims were as follows:

1. Evacuation: 12,
2. Minor Injury: 10
3. Critical injury: 3
4. Death: 2

Triage areas were set up at the disaster site and all the victims were transferred by GVL EMRI 108 Ambulance Service to LGB Civil Hospital with realistic time delays into the system. Two ambulances were used for the Mock exercise and Police Force and Traffic Teams were also engaged for traffic and crowd control.

**5. LGB Civil Hospital:** A QRT team comprising of Sri Ranamoy Bharadwaj, ACS, CO, Doomdooma Rev. Circle, Mob No: 8850184412, APRO personnel, Tinsukia, CRPF, Civil Defence and Aapda Mitra volunteers rushed to the hospital as per instruction of the Incident Commander and conducted search and rescue operation. Immediately the Hospital DM Plan was activated. The patients were relocated to the undamaged part of the hospital by the responding agencies and staffs of hospital. A person critically injured from the debris of the earthquake was

transferred to Assam Medical College, Tinsukia for higher treatment. The details of the mock victims were as follows:

1. Evacuation: 12,
2. Minor Injury: 10
3. Critical injury: 4
4. Death: 2

Two ambulances were used for the Mock exercise and Police Force and Traffic Teams were also engaged for traffic and crowd control.

The police personnel from APRO, Tinsukia provided minute to minute information of the situation and on search & rescue operation from each of the site to the Incident Commander through VHF set.

A temporary Relief Shelter was also opened at Tinsukia Govt. Boys ITI Campus to give shelter to the evacuated people and were provided medical aid and gratuity relief etc. The victims with minor injury were also treated in the relief camp and psycho social support with counselling was given by local NGOs and Aapda Mitra volunteers.

#### **DETAILS OF MOBILIZATION OF RESPONSE TEAMS:**

To ensure the search & rescue operation, 5 (Five ) nos of IRT teams were formed consisting of personnel from NDRF, SDRF, Fire & Emergency Services, Army, CRPF, Civil Defence, NCC, Aapda Mitra and Health Dept. All responders i.e. Police, NDRF, SDRF, F&ES, Ambulances, Traffic Police, medical response team, Army, CRPF, QRT reported in the staging area and despatched from the staging area only. After receiving information from the incident site, the Deputy Incident Commander sent off QRT with necessary equipments to all the incident sites from the Staging Area. Police Teams including traffic police were sent for crowd controlling and traffic management at the incident sites. Army and CRPF teams were also detailed to help District Administration in search and rescue operations. The ambulances with paramedic teams were sent off to all the incidents sites for triage of victims as early as possible. After reaching the incident sites, the Team Leaders of the QRTs collected information from the present officials. The Team Leaders briefed the teams about their responsibilities and the search & rescue operations started with utmost care. Further helps were taken from Staging Area as and when required by using VHF set. All the victims were evacuated and transferred

to LGB Civil Hospital immediately. JCB and Dumpers from Tinsukia Municipal Board were used for clearing of debris, fallen electricity poles, trees etc. The police personnel from APRO Tinsukia provided minute to minute information of the situation and search & rescue operation to the Incident Commander through VHF set.

The whole exercise ended at 11:30 am after getting all clearance report from the incident sites and Hospital. More than 300 participants from District Administration, NDRF, SDRF, Fire & Emergency Services, Army, CRPF, ITBP, IOC limited, Oil India Limited, Health Dept, Educational dept, District Transport Office, Tinsukia Municipal Board, PHE Dept, Water Resources Dept, Civil Defence, Aapda Mitra, NCC Cadets from local Colleges and local NGOs participated in the whole Exercise.

**Site wise General observation:**

**1. Site Name:** DEOC, Tinsukia

**Observer:** Sri Nava Deka, Engg. Consultant, ASDMA

**Observation:** The IRT team assembled at DEOC, and the Deputy Commissioner, Tinsukia took the charge as responsible officer and all the IRT members reported to him in DEOC. The Responsible Officer called up the OC Tinsukia Sadar Police Station and took stock of the situation. All the Section Chiefs of IRS took hold of their position and gave direction to all the members. In the opinion of the observer, the Tinsukia district needs Satellite Phone for better communication and needs more number of Radio sets for better communication network

**2. Site Name:** District Transport Office, Tinsukia

**Observer:** Sri Munindra Bordoloi, Chief Executive Officer, Tinsukia Zilla Parishad

**Observation:** When the siren of the Mock exercise blew, all the officials, staffs and general public present inside took the position of duck cover hold and took shelter in the safer places. The QRT Team with one Nodal Officer and APRO member reached the spot and search & rescue operation was conducted. The assigned team performed their duties satisfactorily under the guidance of team leader. Ambulance arrived at the spot immediately and the critically injured were transferred to hospital whereas the minor injured were given first Aid by the QRT comprising of Civil Defence and Aapda Mitra Volunteers.

### **3. Site Name: Industrial Area, Borguri:**

**Observer:** Dr. Abir Choudhury, 2<sup>nd</sup>-in Command (Medical) NDRF

**Observation:** First reaction of all stakeholders was prompt and instantly rushed from staging area to the incident site and started search & rescue operation immediately. Doors access given efficiently by Traffic Police, 3 Fire Trucks & Ambulance got involved in the search & rescue operation in the disaster incident site. Mock Drill was carried out smoothly and efficiently. Initially subsequent assessment was done efficiently. Available resources were utilized well. Fire Services, SDRF, State Police, Traffic Police and Volunteers responded well.

Shortfalls- More ambulances should have been dispatched. Scene secure was not done, Medical Base was not properly established to give First Aid at the incident site. Entry & Exits should have been separately marked by the responding agencies. But overall response was prompt. Involvement of all stockholders was good. Volunteers participation was impressive. Short Coming: 1) Lack of proper green corridor for movement of emergency services like ambulance, 2) SDRF personal should carry MFR bags, 3) Suggestion for better scene secure, 4) Suggestion for more Medical logistics like dressing materials, medicines, medical equipments, stretchers & ambulance etc.

### **4. Site Name: Green Tower, Khargeswar Road, Tinsukia:**

**Observer:** Wungshungmi Commandant, ITBP, Doomdooma

**Observation:** The reaction was quick and smooth, immediate reporting was done at the staging area and after noting the disaster area point, swiftly moved for farther assessment and accident report. The action was well coordinated and properly executed. There was no panicking and confusion. Overall situation report was timely and well coordinated. Officer in charge of the Team was very efficient and timely reacted, reported each and every scene and the requirement of the damaged area. There was no shortage and lack of resources i.e., equipments and manpower. Communication gap was filled by APRO and both Armed Forces and NDRF Team along with all stakeholders very promptly coordinated and responded to the situation. The Mock Drill was successfully conducted by the District Administration, NDRF and Armed Forces. More such drills were recommended in order to have smooth coordination and to make every individual aware of his/her duties for any future uncertainties.



## **5. Site Name: Boys ITI, Borguri:**

**Observer:** Sri Nayanjyoti Bhagawati, District Development Commissioner, Tinsukia

**Observation:** The information was received professionally and efficiently. All concerned stakeholders were notified immediately. Proper instructions were issued to concerned IRT members. The response to the situation was very efficient. All participants were aware of their roles and carried out the tasks required without hesitation. Lack of proper knowledge for handling disaster like earthquake was noticed among the volunteers of ITI. The IRT members and participants of other organization like CRPF, Fire & Emergence Services, Health Dept etc. were well equipped and responded well to handle the situation. However at times lack of coordination was noticed in communication device.

The Govt. Boys ITI authority had properly designated safe areas and routes were marked with signs which helped the volunteers to move swiftly to the safer areas after the earthquake and fire incident.

## **6. Site Name: LGB Civil Hospital:**

**Observer:** P.S. Badwal (AC) 68 BM CRPF:

**Observation:** 1. Sufficient ventilators were available at ICU. However 2-3 ventilators were request to be placed in causality room and trauma center.

2. Filling up of posts against vacancy of medical officers for quick response in such condition. Overall performance was good and well executed.

## **LESSON LEARNT AND SUGGESTIONS FROM DISTRICTS:**

The District Administration felt the need of satellite phone for communication during disaster and more radio sets for quick information dissemination.

A team of SDRF members is highly required at Margherita Rev. Circle to mitigate any disaster.

Additional doctors and ambulances are required to treat the large number of casualties. Alternate route mapping is very important and a specific earthquake mitigation plan and to be shared among all the stakeholders and agencies is required.

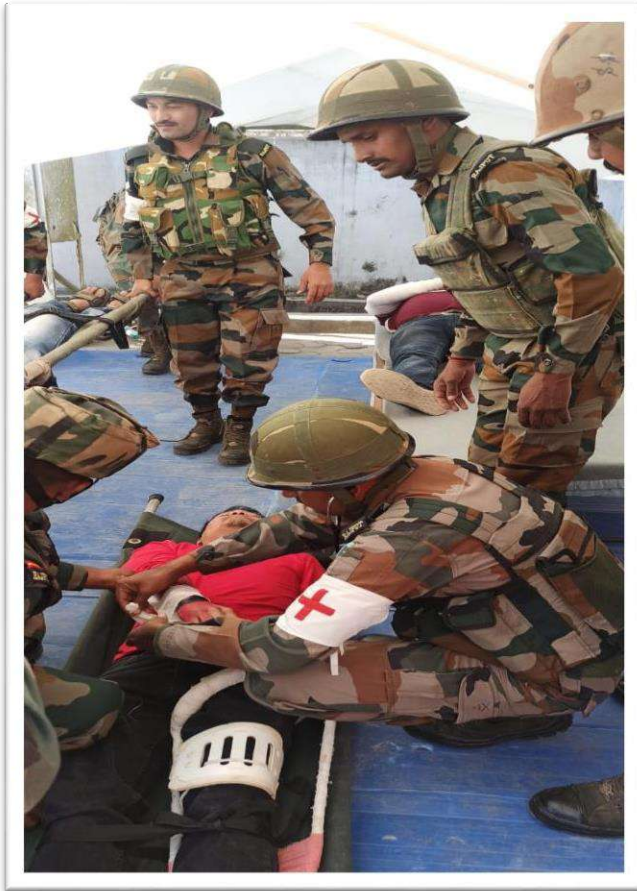
**PHOTOGRAPHS:**



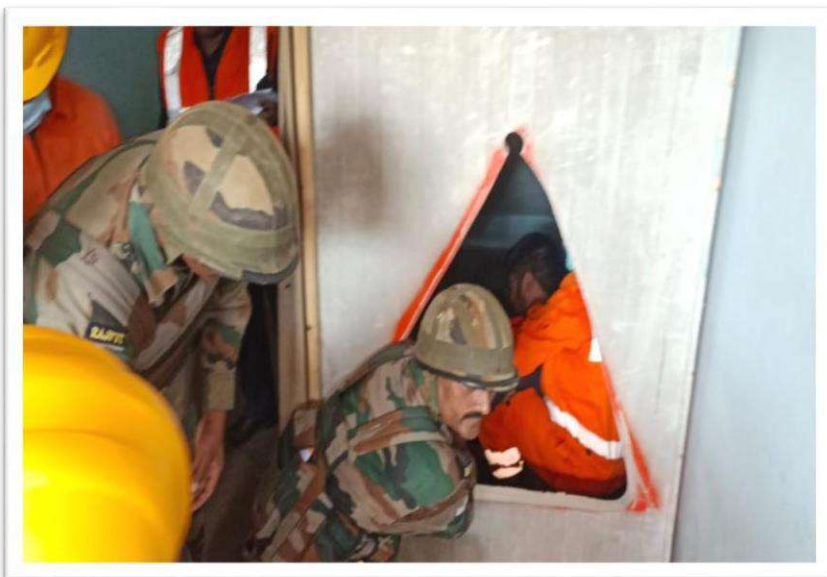
Green Towers, Tinsukia (Residential Area) victim rescue by Army and NDRF



Evacuation of victim from high rise building, Green Towers, Tinsukia



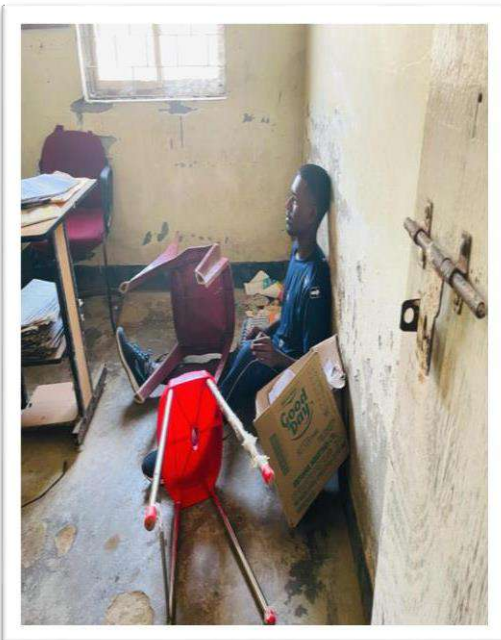
First Aid by Army Medical Team at Green Towers, Tinsukia



Search & rescue operation of trapped victim at Green Towers, Tinsukia



DTO Office, Tinsukia



DTO Office, Tinsukia



Rescue from DTO office building, Tinsukia



Triage area at DTO office, Tinsukia



Industrial Area Tinsukia



Industrial Area Tinsukia



Industrial Area Tinsukia



Govt. Boys ITI, Tinsukia



Safe evacuation of Students from Govt. Boys ITI



Fire incident scene at Govt. Boys ITI, Tinsukia



CRPF search & Rescue Team at Govt. Boys ITI Tinsukia





CRPF search & Rescue Team at Govt. Boys ITI Tinsukia



LGB Civil Hospital, Tinsukia



LGB Civil Hospital, Tinsukia



Unidentified body at LGB Civil Hospital



Critical patient moving to Assam Medical College Dibrugarh for higher treatment



Relief camp



Transfer of evacuated people from incident site to relief shelter



Treatment of Minor injury at Relief Camp



DEOC Tinsukia



DEOC Tinsukia

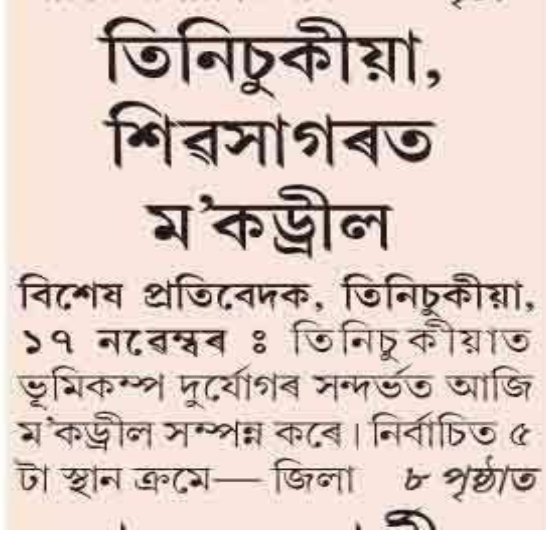


Staging Area



Staging Area

**MEDIA COVERAGE:** (clips of the media coverage in print or electronic media)



## তিনিচুকীয়া, শিৱসাগৰত

পৰিবহণ বিষয়াৰ কাৰ্যালয়, ঔদ্যোগিক এলেকা, বৰগুৰি, ঔদ্যোগিক প্ৰশিক্ষণ প্ৰতিষ্ঠান, বৰগুৰি, গ্ৰীন টাৱাৰ, খৰ্গেশ্বৰ ৰোড আৰু লোকপ্ৰিয় গোপীনাথ বৰদলৈ অসামৰিক চিকিৎসালয়ত অনুষ্ঠিত হয় ভূমিকম্প দুৰ্যোগৰ ম'ক অনুশীলন। ভূমিকম্প দুৰ্যোগৰ ম'ক অনুশীলনত জিলা প্ৰশাসন, আৰক্ষী বাহিনী, এন ডি আৰ এফ তথা এছ ডি আৰ এফ বাহিনী, সেনা তথা এয়াৰ ফ'ৰ্চ বাহিনী, ইণ্ডো-টিবেটান সীমান্ত আৰক্ষী, ভাৰতীয় তেল নিগম, ইণ্ডিয়ান অইল, অগ্নিনিৰ্বাপক বাহিনী, অসামৰিক প্ৰতিৰক্ষা বাহিনী, এন চি চি আৰু এন এছ এছৰ সদস্যসকল, কেন্দ্ৰীয় সংৰক্ষিত আৰক্ষীবাহিনী, স্বাস্থ্য বিভাগ, পৰিবহণ বিভাগ, ট্ৰেফিক নিয়ন্ত্ৰণ বিভাগ, অসম পুলিচ অনাতাঁৰ সংগঠন, জলসম্পদ বিভাগকে আদি কৰি অন্যান্য সংশ্লিষ্ট বিভাগসমূহে যোগদান কৰে। উক্ত ম'ক অনুশীলনত আপদামিত্ৰসকলেও অংশগ্ৰহণ কৰে।

ষ্টাফ ৰিপ'ৰ্টাৰ, শিৱসাগৰ : সম্ভাব্য যিকোনো প্ৰাকৃতিক দুৰ্যোগৰ লগতে ভূমিকম্পৰ দৰে আপদকালীন অৱস্থাত কিদৰে সতৰ্কতা, নিজক বচোৱাৰ উপৰি আন দহজনক সুৰক্ষা কৰিব পাৰি সেই সন্দৰ্ভত আজি শিৱসাগৰত এক সজাগতামূলক অনুশীলন কাৰ্যসূচী ৰূপায়ণ কৰা হয়। শিৱসাগৰ জিলা দুৰ্যোগ ব্যৱস্থাপনা প্ৰাধিকৰণৰ দ্বাৰা এই উদ্দেশ্যে জিলাখনৰ ৫টা বিভিন্ন স্থানত ভূমিকম্পৰ ম'কড্ৰীল প্ৰদৰ্শন কৰা হয়। তথ্য অনুসৰি অ' এন জি চি ৰিগ নং ই-২০০৯ ৰুদ্ৰসাগৰ, অ' এন জি চি শিৱসাগৰৰ আৱাসিক এলেকা, শিৱসাগৰ অসামৰিক চিকিৎসালয়, শিৱসাগৰ চৰকাৰী উচ্চতৰ মাধ্যমিক আৰু বহুমুখী বিদ্যালয় আৰু জিলা উপায়ুক্তৰ কাৰ্যালয় শিৱসাগৰত এই ম'কড্ৰীল পুৱা ৯ বজাত আৰম্ভ কৰা হয়। আজি ম'কড্ৰীলত প্ৰতিটো স্থানতে একোজনকৈ ন'ডেল বিষয়া নিয়োগ কৰা হৈছিল আৰু জিলা পৰিবহণ বিভাগ, অসামৰিক প্ৰতিৰক্ষা, জিলা স্বাস্থ্য বিভাগ আদিকে ধৰি দুৰ্যোগ ব্যৱস্থাপনাৰ লগত জড়িত সকলো বিভাগ আৰু বিষয়া-কৰ্মচাৰীয়ে এই ম'কড্ৰীলত অংশগ্ৰহণ কৰে। প্ৰাকৃতিক দুৰ্যোগৰ পিছত সৃষ্টি হোৱা পৰিস্থিতি আৰু ইয়াৰ পিছত সুৰক্ষিতভাৱে উদ্ধাৰ, প্ৰাথমিক চিকিৎসা আদি বিষয়সমূহ কিদৰে তৎকালীনভাৱে সম্পাদন কৰিব পাৰি সেই সন্দৰ্ভত সুন্দৰভাৱে প্ৰশিক্ষিত বিষয়া-কৰ্মচাৰীয়ে নাটকীয় ৰূপত উপস্থাপন কৰে। এই সজাগতা তথা অনুশীলন কাৰ্য কেইবাশতাধিক ৰাইজে প্ৰত্যক্ষ কৰে।

Axom Aditya dtd 18<sup>th</sup> Nov, 2022



Niyomiya Barta dtd 16<sup>th</sup> Nov, 2022



Protidin dtd 16<sup>th</sup> Nov, 2022



# जिला प्रशासन ने शहर के 5 जगहों पर किया मॉकड्रिल

खबर संवाददाता

तिनसुकिया, 17 नवंबर। प्राकृतिक आपदा से लोगो को किस तरह से बचना तथा बचाव दल किस तरह से लोगो को बचाती है इसी के उद्देश्य से आज तिनसुकिया जिला प्रशासन ने तिनसुकिया शहर के कुल 5 जगहों पे मॉकड्रिल करवाया। तिनसुकिया शहर के जिला परिवहन कार्यालय, बरगुड़ी औद्योगिक क्षेत्र, औद्योगिक प्रशिक्षण संस्थान, तिनसुकिया सिविल अस्पताल, के साथ साथ तिनसुकिया शहर के खगेश्वर रोड स्थित ग्रीन टावर को मॉकड्रिल हेतु चुना गया। जिसमे सफलतापूर्वक मॉकड्रिल किया गया। मॉकड्रिल अभ्यास में जिला प्रशासन, पुलिस बल, एन.डी आर एफ, एस डी.आर एफ. और एच.डी.आर

एफ, एयर फोर्स, सेना और वायु सेना के सदस्य, भारत-तिब्बत सीमा पुलिस, भारतीय तेल निगम, इंडियन ऑयल, फायर ब्रिगेड, एनसीसी और एनएचएस, केंद्रीय रिजर्व पुलिस बल, स्वास्थ्य विभाग, परिवहन विभाग, यातायात नियंत्रण विभाग, जल संसाधन विभाग और अन्य संबंधित विभाग ने इस मॉकड्रिल में भाग लिया। जिला प्रशासन के द्वारा आयोजित की गई मॉकड्रिल का उद्देश्य किसी भी प्राकृतिक आपदा के समय लोग किस तरह तैयार रहे और आपदा कालीन सभी बल किस तरह से लोगो को बचाती है उसके बारे में लोगो को जागरूक करना था। इस मॉकड्रिल के दौरान खुद तिनसुकिया जिला उपायुक्त नरसिंह पावार सहित जिला प्रशासन के कई अधिकारी उपस्थित रहे।

# বসৰপ্ৰাপ্ত প্ৰধান ভাজনীৰ মৃত্যু

বাতৰি দিওতা, ১৭ নবেম্বৰ :  
গৰ ডুমডুমা ৰাজহ চক্ৰৰ অন্তৰ্গত  
পৰিষ্কাৰিত বিজয়লক্ষ্মী মধ্য ইংৰাজী  
প্ৰাপ্ত প্ৰধান শিক্ষক দাইচা বৰদলৈ  
দেবদেৱ ভাজনীৰ (৮৩) কালি নিশা  
লা বাসগৃহত বাৰ্ধক্যজনিত কাৰণত  
চনত অবিভক্ত শিৱসাগৰ জিলাৰ  
কৰ্মসূত্ৰে ডুমডুমা অঞ্চললৈ আহি  
চা অঞ্চলত শিক্ষকতা আৰম্ভ কৰে।  
অনুষ্ঠান-প্ৰতিষ্ঠান গঢ় দি এগৰাকী  
হৈ পৰে। শিক্ষকতা কৰি থকা  
ইংৰাজী শিক্ষক সংস্থা, তিনিচুকীয়া  
তিৰ পদ অলংকৃত কৰাৰ লগতে  
হাৰ স্থায়ী ভৱন নিৰ্মাণ কৰাত মুখ্য  
নিজনি পুত্ৰ-বোবাৰী, এগৰাকী কন্যা  
গৈছে। তেওঁৰ মৃত্যুত বিজয়লক্ষ্মী  
না সাহিত্য সভাৰ সভাপতি অৰ্জুন  
ৰ সভাপতি অনুজ কলিতা, ডুমডুমা  
সমাৰোহ, সদৌ অসম মধ্য ইংৰাজী  
কণোদয়-জাতীয় বিদ্যালয়, কৰ্ণেশ্বৰ  
ভীৰ শোক প্ৰকাশ কৰে।

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মহান (৪) ৫। অসমত (৩)  
দ্রব্য প্ৰেৰণ (৩) ৯। পাপী (৩)  
১২। এবিধ পাট, সেই পাটৰ  
ইচ্ছা (৩) ১৮। দিন ডকাইতি  
। ৰাজসভা (৪) ২। জিতা (৩)  
(৪) ৬। আগ্ৰহ (২) ৮। নিশ্চল  
জ সৰি গছৰ তলত পৰি থকা  
২) ১৫। হাতৰ তলুৱা (৪)  
আখৰ (৩)। উত্তৰ— ৭৮৯১  
মালয় ৫। ৰচন ৭। লাখোৰাজ  
১৩। ৰস-ৰচনা। শিয়াকৈ :

সত্ৰিক বিকাশ হ'লে অসমৰ বহু নিবনুৱা  
সমস্যা দূৰ হ'ব। অভিনেতা, কলা-  
কুশলীৰ পৰা আৰম্ভ কৰি বোলছবিৰ

## মাল্টি ষ্টেট মক অনুশীলন

তিনিচুকীয়া : ষ্টাফ বিপৰ্চাৰ, ১৭ নবেম্বৰ  
: তিনিচুকীয়াত ভূমিকম্প দুৰ্যোগৰ  
বিষয়ত এক মাল্টি ষ্টেট মক অনুশীলন  
আজি সম্পন্ন হয়। ৰাষ্ট্ৰীয় দুৰ্যোগ  
ব্যৱস্থাপনা প্ৰাধিকৰণৰ নিৰ্দেশনা অনুসৰি  
জিলা প্ৰশাসন তথা তিনিচুকীয়া জিলা  
দুৰ্যোগ ব্যৱস্থাপনা বিভাগৰ উদ্যোগত  
তিনিচুকীয়া জিলাত প্ৰস্তাৱিত মক  
অনুশীলন অনুষ্ঠিত কৰে। তিনিচুকীয়া  
সদৰত নিৰ্বাচিত ৫টা স্থান ক্ৰমে ডি টি  
অ' অফিচ, ঔদ্যোগিক এলেকা, বৰগুৰি,  
আহিটি আই, বৰগুৰি, ব্ৰীম টাৱাৰ, খৰ্গেশ্বৰ  
ৰ'ড আৰু তিনিচুকীয়া চিভিল হ'স্পিটলত  
অনুষ্ঠিত হয় ভূমিকম্প দুৰ্যোগৰ মক  
অনুশীলন। ভূমিকম্প দুৰ্যোগৰ মক  
অনুশীলনত জিলা প্ৰশাসন, আৰক্ষী  
বাহিনী, এন ডি আৰ. এফ, এছ ডি আৰ  
এফ, সেনা, এয়াৰ ফ'ৰ্চ, আই টি বি পি,  
ভাৰতীয় তেল নিগম, ইন্ডিয়ান অইল,  
অগ্নি নিৰ্বাপক বাহিনী, অসামৰিক  
প্ৰতিৰক্ষা বাহিনী(চিভিল ডিফেন্স),  
কেন্দ্ৰীয় সংৰক্ষিত আৰক্ষী বাহিনী(চি  
আৰ পি), স্বাস্থ্য বিভাগ, পৰিবহণ বিভাগ,  
ট্ৰেফিক নিয়ন্ত্ৰণ বিভাগ, অসম পুলিচ  
অনাতাঁৰ সংগঠন(এ পি আৰ অ'),  
জলসম্পদ বিভাগকে আদি কৰি অন্যান্য  
সংগঠিত বিভাগসমূহে আজিৰ দুৰ্যোগ  
প্ৰশমন তথা উদ্ধাৰ অভিযানৰ মকড্ৰিলত  
যোগদান কৰে। মক অনুশীলনত এন এছ  
এছ, এন চি চি, আপদা মিত্ৰসকলেও  
অংশগ্ৰহণ কৰে। তিনিচুকীয়া জিলাৰ  
উপায়ুক্ত নৱসিং পৰাৰে সমগ্ৰ কাৰ্য নিজে  
তদাৰক কৰি উদ্ধাৰ অভিযান চলোৱা  
অঞ্চল পৰিদৰ্শন কৰে। আনহাতে, জিলা  
উন্নয়ন আয়ুক্ত নয়নজ্যোতি ভাগৱতী,  
জিলা পৰিষদৰ মুখ্য কাৰ্যবাহী বিষয়া  
মুনীন্দ্ৰ বৰদলৈ, অতিৰিক্ত উপায়ুক্ত তথা  
দুৰ্যোগ ব্যৱস্থাপনা বিভাগৰ ইনচাৰ্জ দীপু  
কুমাৰ ডেকা, অতিৰিক্ত উপায়ুক্ত সুশান্ত  
দত্ত, মনজিত বৰকাকতী, সহকাৰী আয়ুক্ত  
অপকণা বৰগোহাঁই, ৰাজহ চক্ৰ বিষয়া  
ৰণমায় ভৰদ্বাজ, চিন্ময় পাঠক আদি  
বিষয়াসকলে তদাৰক কৰে।

বোলাছবিখন চলি থকাৰ মাজতে  
অভিনেতাগৰাকী আই উপস্থিত  
হোৱাত ছবিখন কিছু সময়ৰ বাবে ৰখাই

## জকাই থান কুকুৰাৰ যুঁজ

দৈনিক জনমভূমিৰ প্ৰতিবেদন, ১৭ নবেম্বৰ  
থানাৰ অন্তৰ্গত জকাই থানবাম গাঁৱত ক্ৰমাৎ  
অবৈধভাৱে কুকুৰাৰ যুঁজ আৰু জুৱাৰ আজ  
হাজাৰ টকাৰ উজান উঠে ডিব্ৰুগড়ৰ লাহৌ  
কুকুৰা যুঁজকে ধৰি জুৱাৰ আততা। এই ক্ষে  
থানাৰ আৰক্ষী প্ৰশাসনে। এখন ভিতৰুৱা গাঁ  
প্ৰশাসনিক বিভাগক। উজনিৰ বহু জিলাৰ যু  
স্থলী আৰু এই ক্ষেত্ৰত নিমাত চাহ জনগোষ্ঠী  
এমুঠি ভাত মুকলি কৰিবলৈ চেষ্টা কৰা স  
ভৱিষ্যৎ প্ৰজন্মক জীৱন অৰ্দ্ধকাৰৰ দিশে গঢ়ি  
হয় কাৰ কমিছনৰ ৰাজত এই জুৱাৰ তথা  
শিৱসাগৰ, চৰাইদেউ, ডিব্ৰুগড় আদি বিভিন্ন  
জুৱাৰৰ এক মূল কেন্দ্ৰ স্থলী হিচাপে পৰিণ

## ধঁপাতৰ ব্যৱহাৰ কৰ্কট ৰোগ বিৰ সজাগতামূলক

লখিমপুৰ : ষ্টাফ বিপৰ্চাৰ, ১৭ নবেম্বৰ : চকুৱাৰ  
ৰাষ্ট্ৰীয় সেৱা আচনি আৰু উন্নত ভাৱত অতি  
উদ্যোগত আৰু Assam Cancer Care Fou  
Lakhimpur, Assam আৰু Alumni  
Dhakuakhana Collegeৰ সহযোগত আৰু  
ডিজিটেল শ্ৰেণীকোঠাত 'ধঁপাতৰ ব্যৱহাৰ অ  
সৈতে ইয়াৰ সম্পৰ্ক' বিষয়ক এখন সজাগতামূ  
কৰা হয়। ৰাজনীতি বিজ্ঞান বিভাগৰ সহকাৰী  
প্ৰতীম বৰঠাকুৰে আঁত ধৰা সভাত মহাবিদ্যালয়  
কুমাৰ কোচে সকলোকে আদৰণি জনায়। স  
বেথ, জিলা স্বাস্থ্য ব্যৱস্থাপক, ACCF ড° অ  
চিকিৎসক স্বতুমণি বৰা আৰু পদাৰ্থ বিজ্ঞান  
অধ্যাপক সেৱক চন্দ্ৰ চুতীয়া উপস্থিত থাকি  
ৰোধ কৰিব পাৰি তাৰ বিষয়ে সকলোকে অৱগত  
বৰঠাকুৰে শলাগ জ্ঞাপন কৰে। সভাত মহাৰ্জি  
শিক্ষয়িত্ৰী, ছাত্ৰ-ছাত্ৰীসহ শতাধিক সদস্য উপ  
আচনিৰ সদস্যসকলে উক্ত অনুষ্ঠানত সত্ৰায়-সহ

## চাবুৱাৰ বহুকেইটা প্ৰকল্পৰ আধাৰশি

চাবুৱা : নিজা প্ৰতিবেদক, ১৭ নবেম্বৰ : চাবুৱা  
বিধানসভা সমষ্টিৰ অন্তৰ্গত কেইবাটাও স্থানত  
লখিমপুৰ লোকসভা সমষ্টিৰ সাংসদ প্ৰদান বৰুৱা আৰু  
বিধায়ক পোনাৰুণ বৰুৱাই প্ৰকল্পৰ আধাৰশিলা আৰু  
শুভ উদ্বোধন কৰে। পুৱাৰে পৰা ক্ৰমান্বয়ে জেৰাই  
দীঘলীবাৰীত প্ৰধানমন্ত্ৰী গ্ৰাম চক্ৰক যোজনাৰ অধীনত  
এটা পথৰ আধাৰশিলা, চাবুৱা নগৰত পাইপ যোগে  
ৰন্ধন গেছ সংযোগ শুভাৰম্ভ কৰাকে ধৰি পঞ্চদশ  
বিত্তীয় আয়োগৰ অধীনত ১৪, ৮০, ৫০০ টকাৰে  
পানীতোলা উন্নয়ন খণ্ডৰ নিৰ্মাণ হোৱা প্ৰেক্ষাগৃহ

উদ্বোধন, পঞ্চদশ বিত্তীয় অ  
১৫,০০০০০ টকাৰে পানীতোলা  
পুনৰ নিৰ্মাণ কৰাত উদ্বোধন আৰু  
পৰিষদৰ ৩৫ লাখ টকাৰ পুঁজিৰে  
শীতল গৃহৰ আধাৰশিলা স্থাপন  
উন্নয়ন খণ্ডৰ কাৰ্যালয়ৰ চৌহদত  
উপস্থিত থাকে ক্ৰমে মটক পায়  
অধ্যক্ষ, মুখ্য সচিব, উপাধ্যক্ষ  
অনুষ্ঠানত উপস্থিত থকা ৰহিছক স  
প্ৰদান বৰুৱাই কয় — শীতল

**PROGRAMMATIC REPORT  
OF  
MULTI STATE MOCK EXERCISE IN SIVASAGAR DISTRICT**



**Conducted by  
Assam State Disaster Management Authority (ASDMA)  
and  
District Disaster Management Authority (DDMA), Sivasagar  
in collaboration with  
National Disaster Management Authority (NDMA)  
9<sup>th</sup>, 15<sup>th</sup> & 17<sup>th</sup> November, 2022**

## **BACKGROUND**

On 17<sup>th</sup> of November at 9 A.M. onwards, the District Disaster Management Authority, Sivasagar has organized a Multi State Mock Exercise on Earthquake to evaluate the readiness/preparedness of the District Functionaries towards the responses during Earthquake Disaster. The DDMA, Sivasagar conducted the drill in collaboration with the National Disaster Management Authority and in association the Assam State Disaster Management Authority, Dispur. This Multi State Mock Exercise on Earthquake was held simultaneously in Several District of Assam, Nagaland, Arunachal Pradesh etc.

In Sivasagar District 5(five) locations were identified for the Mock Drill, Table Top Exercise was held virtually on 15<sup>th</sup> Nov., 2022

Major line deptts. of the District i.e. Health, PWD (B), PWD(Roads), APDCL, Social Welfare, Education, Police, Transport, FCS & CA etc. and other response agencies i.e. NDRF 12 Bn, SDRF, F & ES, Civil Defence, Army, CRPF 149 Bn., volunteers of Civil Defence, AAPDA MITRA Volunteers, Home Guard and Raj Hansh Club joined the entire process of the Mock Exercise.

Three observers from CRPF and NDRF 12 Bn. evaluate the entire scenario of the Mock Drill. Observations found have been shared to NDMA, ASDMA during virtual debriefing session after Mock Exercise. The Mock Drill could help the District to find the gaps between its preparedness and response activities.

The entire exercise was conducted under the command and control of the Deputy Commissioner & Chairman, DDMA, Sivasagar and a total 300 nos of participants joined the drill.

## **HAZARD PROFILE OF THE DISTRICT::**

- The District is situated at Earthquake Zone V and therefore each and every corner of the District/ Structure (Bridges/Buildings) is prone to Earthquake.
- Every year flood inundates several villages of Sivasagar District and loss of life and property has been reported for last few decades.
- Tributaries of River Brahmaputra i.e. Dihow, Desang, Jhanji and Dehing and sub tributaries i.e. Mitong, Dorika, Demow etc. also make Sivasagar one of the erosion prone district of Assam.
- Industrial Hazard, Chemical Hazard can't to be ignored in the District as lots of drilling sites of OIL and ONGC are located. Gas Pipeline, Crude Oil Pipeline, regular

transportation of hazardous chemical, LPG Cylinder through the National High Way make the district more prone to chemical disaster.

- Other Disasters like Storm, lightning, fire etc. frequently disrupts the district and leaves the people of the district more prone to such disasters.
- Livelihood (Fishing, Wood Collecting business from Rivers) etc. sometimes compelled the people of the district to be the victim of drowning incidents.
- Last but not least, the National Highways and State National Highways frequently in the District encounter with road accidents and leave a significant numbers of passengers dead every year which may either arise from negligence of public or technical fault of Roads etc.

**AIM AND OBJECTIVE OF THE MOCK EXERCISE::**

- To evaluate the overall all preparedness of the District towards its responses during any disaster like earthquake above 8 or 8+ Richter Scale.
- To check the coordination of all stakeholders (Govt. Non Govt.) and effective implementation of Incident Response Team (IRT) in the District.
- To review how promptly the response agencies can respond during earthquake.
- To check the availability of Resource Inventories, Wireless Communication set ups and mobilization and operationalization of these resources during sudden disasters like earthquake.
- To review and identify the gaps in the disaster management plans of the District and other Departments.
- To highlight the roles and responsibilities of every concerned stakeholders from preparedness, early warning, response activities to post disaster activities etc.

## DETAILS OF MOCK EXERCISE CONDUCTED::

### Mock Drill Planning

Sl. No	Venue	Ambulance	Vehicle for Service of C.D/ AAPDA Mitra	CD Warden's Name & Contract No	Total Volunteers Required	Siren Nos.	Mock Victim Nos.	Combustible Material required for fire incident.	Dead Body Recovery Vehicle Required	Rescue Teams
1	Sivasagar Govt. H.S. & M.P. School	JDHS-02	Traveler- 2 nos	Mr. Gobin Borah Mr. Probin Borgohain Mr. Jeherudding Khan	20 Nos.	School - 01(Bell)	<b>15 Nos.</b> G-4, R-2, Y-2, B-2, N-5	Matchbox, Kerosene, Jute Bags	01 No	SDRF & Civil Defence
2	DC Office, Sivasagar	JDHS-01 CD-01		Mr. Niren Dutta Mr. Prodip Khemka Mr Rupchand Karnani	20 Nos.	CD Fixed Siren	<b>12 Nos.</b> G-4, R-2, Y-2, B-2, N-2	Matchbox, Kerosene, Jute Bags	01 No	NDRF, SDRF, Civil Defence
3	Civil Hospital, Joysagar	Nil		Mr. Makhan Borah Mr. Probin Borah Mr. Ikram Hussain	15 Nos.	CD Siren	<b>08 Nos.</b> G-2, R-2, Y-2, B-0, N-2	Matchbox, Kerosene, Jute Bags	Nil (By Stretcher)	SDRF & Civil Defence
4	Residential Building, ONGC Colony, Sivasagar	JDHS-01 ONGC-01		Mr. Anil Gupta Mr. Suresh Berelia Mr. Sisuram Chutia	20 Nos.	CD Siren	<b>12 Nos.</b> G-4, R-2, Y-2, B-2, N-2	N/A	01 No	NDRF , Civil Defence ONGC (Fire)
5	ONGC Rig No E2009, Rudrasagar	JDHS-01 ONGC-01		Mr. Brojen Phukon Mr. Jiten Koch Mr. Roni Smith	15 Nos.	ONGC Siren	<b>10 Nos.</b> G-4, R-2, Y-2, B-2, N-0	Matchbox, Kerosene, Jute Bags	01 No	Civil Defence, CRPF, ONGC (Fire)

**Location Wise Incident Commanders Engaged and other Planning etc.**

Staging Area			Incident Command Post			Helipad			Medical Aid Post (MAP)			Camp (for Responders)		
Location	Nodal person	Coordinates	Location	Nodal person	Coordinates	Location	Nodal person	Coordinates	Location	Nodal person	Coordinates	Location	Nodal person	Coordinates
Boarding Field, Sivasagar			DC Office Building, Sivasagar (Location 1)			Central School Field, ONGC, Sivasagar			DC Office Building, Sivasagar			Boarding Field, Sivasagar		
Sri Siddharth Krishna Saikia, DTO, Sivasagar Contact No.98642-95783			Sivasagar Govt. HS & MP School, (Location 2)			Wazid Hussain, EE, PWD (B), Sivasagar M.No. - 9435248755			Dr Ispita Das M.No.- 8638163137			Sri Pranjit Dutta, Dy Controlar, Civil Difence, Sivasagar Contract No. - 9401188807		
26.98339 N, 94.63468 E			Dr. Jiwan Krishna Goswami, ACS, CO, Sivasagar RC. M.No.9864351872			26.97899 N, 94.6547 E			Dr Mausam Roy M.No.- 9854529512			26.98897 N, 94.63134 E		
26.98245 N, 94.63454 E			26.98248 N, 94.63454 E									26.98341 N, 94.63446 E		

Do		
Do		
Do		
ONGC Rig No E2009 at Rudrasagar, (Location 5)	Residential Building of ONGC Colony, Sivasagar, (Location 4)	Sivasagar Civil Hospital, Joysagar, (Location 3)
Sugata S. Goswami, ACS, Election Officer, Sivasagar, M.No. 93655189079	Chinmoy Smrita Chutia, ALRS, CO Attached, Sivasagar RC, M.No. 8638882924	Dipawoli Kurmi, ACS, Asstt. Com. M.No. 8011879121
26° 57'37.190" N, 94°34'20.232" E	26.98255 N, 94.6516 E	26.95621 N, 94.61356 E
Do		
Do		
Do		
ONGC Rig No E2009 at Rudrasagar	Residential Building of ONGC Colony, Sivasagar	Sivasagar Civil Hospital, Joysagar
Dr Sofiqur Rohman Borbora M.No. - 6003017658	Dr Ilu Baruah M.No.- 7002874922	Dr Makhan Kalita M.No.- 7002247439
26° 57'37.190" N, 94°34'20.232" E	26.98226 N, 94.65147 E	26.95518 N, 94.61124 E
Do		
Do		
Do		



## Sequence for Entire Drill

- 9.00AM EQ Strikes (Sirens blow at all 5 Locations)
- 9.15AM District IRT assembled at DEOC/Sukafa Hall (**RO-DC, IC and Others**) and IRT Activated
- 9.20 AM Runners come to DEOC from each location and inform about earthquake incidents and damages.
- 9.45 AM Incident Commanders deputed by RO for all 5 locations.
- 10.15 AM: Incident Commanders informed RO at DEOC about situation from incident ground
- 10.30 AM: Incident Action Plan was prepared at Control Room and of Staging Area built.
- 10.30 onwards:
- Response from District Administration started. Engaged different Task Forces i.e. NDRF, SDRF, F & ES, CD, Health, other line deptt. APDCL, PHE, Roads, PWD (B) Vety. etc.
  - Accordingly Incident Commander briefed about the overall situation to Responsible Officer after completion of the operation and submitted report on over all incidents. (Casualties, forces deployed, number of casualties sent to Hospitals etc.)
  - After receipt of all clear signals from all Incident Commander, RO directed to demobilize of Resources and declare closure of the operations.
  - Media Briefing followed by RO.
- 2.45 PM-3.45 PM: Debriefing followed.

### Other Points:

- Incident Command Posts were set up by Incident Commanders at Incident Sites.
- Medical Aid Posts was set up by Health Deptt. all 5 locations
- Relief Camps was set up by CO, Sivasagar RC and PWD (B)
- Food items were distributed by FCS & CA to Mock Victims at Relief Camps.
- Water Supply arrangement was done by PHE Deptt.
- Alternate Power supply was arranged by APDCL (Gen Set etc.)
- Damage Assessment Report was submitted by CO, Sivasagar RC. Structural Damages was reported to CO, Sivasagar RC by PWD (B) Deptt.
- NGOs were deployed by AH & Vety Deptt, Tourism Deptt., DSWO/DCPO etc.
- Hospital Arrangement was done for Mock Victims by JDHS /Supdt. Civil Hospital and handling mass casualties was followed as per hospital preparedness plan.
- ONGC Hospital provided medical support at ONGC Rig and ONGC Residential Sites.
- Staging area was set up under DTO and all resources were placed at Staging Area.
- Helipad was looked after by PWD (B).
- Responder's camp was set up at Boarding Field or near the Staging Area.
- Observers were deputed from NDRF, CAF etc.
- Wireless Communication was followed during the entire programme.

## **OBSERVER'S OBSERVATIONS::**

During the Mock Exercise 2 observers from NDRF 12 Bn. and 1 observer from CAF, 149 Bn. made their observation and the observation found are mentioned below.

Name of Observer: Inspector /GD Kuldeep Kumar, CRPF, 149 Bn., Joysagar

Site Name: ONGC RIG E 2009, Rudrasagar, Sivasagar

Observations::

- First reaction of the stakeholders is good. The response agencies reached the spot in time and equipped with all their necessary equipments.
- Initial response and subsequent assessment was good. Injured were sent to hospital after first aid and putting green, yellow and red cards.
- All resources Radio set for communication, digging tools, stretcher etc. were found available and well utilized. No shortfall of resources found.
- The organization has been able to fully achieve its assigned task.
- Sometimes the wireless communications were disturbed due to bad Network Frequency.
- Regular drill may be followed for better performance in future.

Name of Observer: Ahanthem Boboi, Dy. Commandant, NDRF 12 Bn., Itanagar, Doimukh

Site Name: Office of the Deputy Commissioner, Sivasagar

Observations::

- The Stake holders reacted immediately after activation of Incident Response System.
- The agencies were well trained and professional in carrying out assessment and handling subsequent situation.
- Team work was well organized and situation was handled smartly. Team Leader looked after the overall operation and safety was ensured first for rescuers and rescued persons.
- The Organization was fully able to carry out its assign task.
- All stakeholders were disciplined and punctual in their duties. Team work was very good and responsibilities given by Team Leader were executed properly and smoothly as per SOP. Leadership was excellent and professional.
- Regular drill may be followed for better performance in future.
- Mass Awareness programme is required on regular basis.

Name of Observer: Vivek Kuman, Inspector, NDRF 12 Bn., Itanagar, Doimukh

Site Name: ONGC Residential Area.

Observations::

- The first reaction of the stakeholders was good.
- The agency assessed the situation of mass casualties very well.
- The team leader assigned the tasks to rescue the trapped victim from the apartment and the team was well trained and professional to handle such task.
- All resources required for the specific task was available and utilized by the team. No shortfall of resources observed.
- The Organization was fully able (100%) to carry out its assign task.
- Regular drill may be followed for better performance in future.
- Mass Awareness programme is required on regular basis.

### **LESSON LEARNT AND SUGGESTIONS FROM THE DISTRICT ::**

After the Multi State Mock Exercise the suggesting/ lesion learnt are mentioned below.

1. Need of Satellite Communication at District Level.
2. Soundness of the VHF Sets should be upgraded so that network disturbance can be avoided.
3. DDMA, DEOC, Circle Level Officer's should also have VHF Sets and operators.
4. SDRF Strength should be increased and equipments to handle earthquake like disasters should also be increased and kept at the disposal of SDRF, Civil Defence Team of the District.
5. Permanent set up DEOC Required in Sivasagar District.
6. Volunteers like AAPDA MITRAs must have resources to respond such situation as first responder.

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### **ANNEXURE::**

1. Photographs of the Mock Drill.
2. Observers' filled up Report.
3. Clips of Media Coverage

*sd/-*

Addl. Deputy Commissioner-cum-CEO  
DDMA, Sivasagar District

**PHOTOGRAPHS:**



Table TOP and Rehearsal



Dist. Emergency Operation Centre and IRT Members



Staging Area and Base Camp



Base Camp



Rope Rescue at DC Office by Civil Defence



Rescue by NDRF at DC Office



Victims rescued by Civil Defence Team at School



Trapped Victim Rescued by NDRF at ONGC Residential Area



Victim Rescued by NDRF at ONGC Residential Area





SDRF Team and Civil Defence team during operation at School



Rescue Team and Incident Commander at ONGC RIG E2009, Rudrasagar



# Base Hospital



Handling of Casualty at Civil Hospital, Joysagar



Relief Camp at Sivasagar Commerce College Auditorium



Signboard

## MEDIA COVERAGE:

### জিলা দুৰ্যোগ ব্যৱস্থাপনা প্ৰাধিকৰণৰ উদ্যোগত শিৱসাগৰত পাঁচটা স্থানত ভূমিকম্পৰ ম'ক ড্ৰিল প্ৰদৰ্শন

দুৰ্নীতিৰ দৰ্পণ, শিৱসাগৰ, মিছকাটোৰ বহুমান, ১৭নবেম্বৰঃ শিৱসাগৰ জিলা দুৰ্যোগ ব্যৱস্থাপনা প্ৰাধিকৰণৰ দ্বাৰা আজি জিলাখনৰ ৫টা বিভিন্ন স্থানত ভূমিকম্পৰ ম'ক ড্ৰিল প্ৰদৰ্শন কৰা হয়। তথা অনুসৰি, অ'এন.জি.চি. বিগ নং ই-২০০৯ কত্ৰসাগৰ, অ'এন.জি.চি. শিৱসাগৰৰ আৱাসিক এলেকা, শিৱসাগৰ অসামৰিক চিকিৎসালয়, শিৱসাগৰ চৰকাৰী উচ্চতৰ মাধ্যমিক আৰু বহুমুখী বিদ্যালয় আৰু জিলা উপায়ুক্তৰ কাৰ্যালয় শিৱসাগৰত এই ম'ক ড্ৰিল পূৰ্বা ৯ বজাত শিৱসাগৰত আৰম্ভ কৰা হয়। আজি ম'ক ড্ৰিলত প্ৰতিটো স্থানতে একোজনকৈ নডেল বিষয়া বিষয়া নিয়োগ কৰা হৈছিল আৰু জিলা পৰিবহণ বিভাগ, অসামৰিক প্ৰতিৰক্ষা, জিলা স্বাস্থ্য বিভাগ আদিকে ধৰি দুৰ্যোগ ব্যৱস্থাপনাৰ লগত জড়িত সকলো বিভাগ আৰু বিষয়া কৰ্মচাৰীয়ে এই ম'কড্ৰিলত অংশগ্ৰহণ কৰে।

সংগঠনৰ সীমানাৰে প্ৰাধিকৰণৰ ম'ক ড্ৰিল



## Mock exercise on earthquake held

OUR CORRESPONDENT

**SIVASAGAR, Dec 14:** In an effort to review management plans during unprecedented emergency situations and improve the ability to respond faster, the District Disaster Management Authority (DDMA), Sivasagar, recently conducted a multi-state mock earthquake exercise at five different locations in the Sivasagar district.

Major line departments of the district such as Health, PWD (B), PWD (Roads), APDCL, Social Welfare, Education, Police, Transport, FCS & CA etc. and other response agencies i.e. NDRF 12 Bn, SDRF, F & ES, Civil Defence, Army, CRPF 149 Bn., volunteers of Civil Defence, AAPDA MITRA Volunteers, Home Guard and Raj Hansh Club joined the entire process of the mock exercise.

Three observers from CRPF and NDRF 12 Bn. evaluated the entire scenario of the mock drill. Observations found were shared to NDMA, ASDMA during virtual debriefing session after mock exercise. The mock drill could help the district to find the gaps between its preparedness and response activities.

The entire exercise was conducted under the command and control of the Deputy Commissioner-cum-Chairman, DDMA, Sivasagar with approximately 300 participants. The NDMA and ASDMA authorities appreciated the district administration accordingly for successful completion of the exercise.

**PROGRAMMATIC REPORT  
OF  
MULTI STATE MOCK EXERCISE IN KAJALGAON, CHIRANG  
DISTRICT**



**Conducted by  
Assam State Disaster Management Authority (ASDMA)  
and  
District Disaster Management Authority (DDMA), Chirang  
in collaboration with  
National Disaster Management Authority (NDMA)  
9<sup>th</sup>, 15<sup>th</sup> & 17<sup>th</sup> November, 2022**

## **A. BACKGROUND**

The National Disaster Management Authority (NDMA) in collaboration with Assam State Disaster Management Authority (ASDMA) and District Disaster Management Authority (DDMA), Chirang conducted the State Level Mock Exercise on Earthquake Disaster w.e.f 15<sup>th</sup> November, 2022 to 17<sup>th</sup> November, 2022. Altogether 5 (five) locations were chosen to conduct this exercise involving all the concerned stakeholders. The primary objective of this mock drill was to test/ assess the level of preparedness of different responding agencies with the available resources at its disposal if an earthquake 8 or above Richter scale strikes in the district followed by the roles to be played by the agencies in the post disaster scenario for better and prompt coordination during response. And also to identify the gaps for future correction and evolve a viable action plan to meet such an emergency situation.

### **HAZARD PROFILE OF THE DISTRICT::**

As the Chirang District is situated in Seismic Zone –V, the district is vulnerable to earthquakes. Apart from earthquakes, it is also prone to flood, thunder squall/ thunderstorm. Moreover, the district is also prone to human induced hazards like fire, road accident etc.

Flood is a perennial problem in the district. Every year the district experiences the havoc of flood. The nature of flood in Chirang district is basically a flash flood. This flash flood situation mainly occurs in the district due to heavy rainfall in the upper catchment of adjacent districts of Bhutan which flows through the downstream rivers like Nangal, Kanamakra, Aie, Champa etc causing inundation in the habitation areas of the district. Every year a large number of people are affected forcing them to take shelter in the relief camps. Besides flood, erosion is another major problem in the district. Every year a large tract of land eroded due to the rivers mainly Aie, Kana Makra etc.

The District experiences the thunderstorm/ storm/ cyclone mostly during the month of March to May every year. It also causes a large scale devastation every year.

Again accidents are the man made situations which usually takes place due to human negligence, technical failure. The district having a National Highway encounters road accidents from time to time.



### **AIM AND OBJECTIVE OF THE MOCK EXERCISE::**

- To inculcate the culture of preparedness amongst all the Officers in the district, Schools, Community.
- To review and identify the gaps in the disaster management plans.
- To test the promptness & effectiveness in response of different agencies.
- To highlight the roles and responsibilities of the concerned stakeholders.
- To enhance coordination and synergize efforts of various govt. departments, nongovernmental organizations and community at large in the district.

### **DETAILS OF MOCK EXERCISE CONDUCTED::**

- List of sites selected for the Mock Exercise

Sl. No	Name of the location	Remarks
1	Office of the District Transport Officer, Chirang	As incident Site
2	Chirang Police Staff Quarter, Kajalgaon	As incident Site
3	Delhi Public School, IOCL-BGR, Township	As incident site
4	IOCL-BGR, Administrative Building	As incident site
5	JSB Civil Hospital, Kajalgaon	As incident site
6	DC's Office Conference Hall	As DEOC
7	District Parade Ground	As Staging Area

- Details of Staging Area

The district Parade ground was used as Staging Area for the Multi State Mock Exercise held on 17<sup>th</sup> November, 2022. All the resources available at the disposal of the District Administration as well as private agencies namely SDRF, Rapid Response Team of SSB, CISF, Medical Team, Ambulances, JCB, Tractor, Volunteers, other departmental officials/ staff responsible for quick response etc immediately gathered at the District Parade Ground after blowing of earthquake Siren. The District Transport Officer, Chirang acted as a Staging Area Manager for the Mock Drill.

- Venue-wise response by the various response agencies as per scenario created.

Sl. No	Simulation Sites	Number of casualties	Scenario Created	Response agencies involved	Designated hospital
1	IOCL-BGR Admin Building	12 (Major Injury ::05 Minor Injury :: 07)	Earthquake & Fire	CISF & Fire Services	Primary medical treatment was given at the Medical Aid Point set up at the Incident Site and thereafter patients were shifted to BGR Hospital
2	DPS, Dhaligaon	22 (Major Injury ::05 Minor Injury:: 17 Nos.)	Earthquake	CISF & School Volunteers	Primary medical treatment was given at the Medical Aid point set up at the Incident Site and thereafter patients were shifted to BGR Hospital
3	DTO Office	12 (Major Injury:: 03 Minor Injury :: 9 Nos. Death :: 02)	Earthquake & Fire	Fire Service & SSB and Community Volunteers	Primary medical treatment was given at the Medical Aid Point set up at

		Nos.)			the Incident Site and severely injured patients were taken to JSB Hospital
4	Police Staff Quarter	11  (Major Injury:: 03 Nos Minor Injury :: 8 Nos Death :: 02 Nos.)	Earthquake & Fire	Fire Service & SDRF, Community Volunteers	Primary medical treatment was given at the Medical Aid Point set up at the Incident Site and severely injured patients were taken to JSB Hospital
5	JSB Civil Hospital, Kajalgaon	17 Nos.  (Major Injury:: 11 Nos. Minor Injury:: 6 Nos.)	Earthquake	Hospital Staff/SSB	The JSB Hospital provided treatment to both its own patients and other patients coming from other incident sites

- Activation of IRTs and role played::

Immediately after blowing of earthquake siren, the members of the Incident Response Team (IRT) of Chirang gathered at the District Emergency Operation Centre (DEOC), Chirang which was set up at DC's Office Conference Hall, Chirang. The Deputy Commissioner, Chirang being the Responsible Officer, chaired emergent meeting with all the important stakeholders. The IRT members started to gather as much information as possible from different sources and started assessment of damages and injuries caused by the earthquake. The location-wise designated Incident Commander was deployed afterwards in all the 5 (five) affected locations so that the DEOC can get actual ground situation report. Based on

requisitioned placed by the site incident commanders, resources were deployed from the Staging Area to different incident sites for immediate response.

- Communication established through various means::

After the occurrence of the earthquake in the district, the mobile network connectivity was completely collapsed. The necessary communication system had to be established through local APRO units. The I/c APRO, Chirang immediately made temporary arrangement for setting up communication network at District Emergency Operation Centre (DEOC), Chirang and other affected locations through which ground report was started receiving at the DEOC.

### **SITE-WISE GENERAL OBSERVATION::**

Independent Observers were detailed from NDRF, CISF, SSB and IOCL-BGR who made their observation in the Multi State Mock Drill on Earthquake Disaster. The site specific observations are as follows::

Site :- 1 Delhi Public School, IOCL-BGR, Dhaligaon

Name of Observer:: Shri Jayanta Prakash, Inspector, 1<sup>st</sup> NDRF, Guwahati.

Observations::

- Initial response and subsequent assessment was good of the situation.
- The students' drill was good and well managed by the team leader.
- Available resources were utilized effectively by the agencies.
- However, valuable places was not covered properly by Police and other Security agencies. It was required to cordon off the area and required to stop gathering of Civilian/Public on the spot.
- Practice is required for better result in future. Overall practice was good.
- The organization has been able to achieve 75% of success rate in its assigned task.

Site:- 2 Chirang Police Staff Quarter

Name of Observer:: Shri Prabhat Kumar, Assistant Commandant (Communication)  
15<sup>th</sup> BN, SSB, Kajalgaon, Chirang.

Observations::

- The initial response and subsequent response of the situation was very good.
- The team leader organized the entire process nicely with other agencies.
- Resources were available and were utilized for the specific task.
- All the arrangements were very good. Reaction time was also very good.

- Further, coordination between all the stakeholders should be improved.
- Medical facilities such as ambulance and first aid are required to be improved.
- Overall success rate of the organization was 90% in regard to carrying out its assigned task.

Site :-3 O/of the District Transport Officer, Chirang.

Name of Observer:: Shri Prabhat Kumar, Asstt. Commandant (Communication)  
15<sup>th</sup> BN SSB, Kajalgaon.

Observations::

- Initial reaction was done promptly.
- Team Leader organized the entire process with all the agencies.
- Medical teams, security arrangements, rescue teams, all were available and performed very good. Equipments were also available.
- Overall arrangements were very good.
- However, ambulance facility should be improved and coordination amongst stakeholders should be improved. Reaction time of the teams were very good.
- Overall percentage of success of the organization was 90% with regard to carrying out its assigned task.

Site-4:: JSB Civil Hospital, Kajalgaon.

Name of Observer:: Shri Chhering Tondup, Assistant Commandant, CISF, IOCL-BGR, Dhaligaon

Observations::

- Established relief camp, Medical facilities, arrangement of beds, life saving equipments on an open area.
- The assessment of damages and injuries was done followed by medical help and rescue operation.
- The Team Leader detailed one person to pass the messages regarding damage and injuries, called up rescue teams and started rescue operation.
- All the resources such as stretchers, medical equipments were used properly. A team of 12 personnel of SSB and local public were used in rescue operation.
- Overall mock drill execution was very good. However, one should be prepared for real time scenario.

- The percentage of success of the organization in carrying out its assigned task was 75%.

Site:-5 IOCL-BGR Administrative Building Block-B

Name of Observer:: Shri Kalyan Sarma, DGM (TS) IOCL-BGR, Dhaligaon.

Observations::

- The organization has been 100% successful in carrying out its assigned task.
- The mock drill was found to be satisfactory.

Site:-6 District Emergency Operation Centre (DEOC) at Conference Hall, DC's Office, Chirang.

Name of the Observer::Shri Vishal Srivastava, Inspector, 1<sup>st</sup> BN NDRF, Guwahati.

Observations::

- On receiving the information, the IRT members were in the state of alertness. They tried to evaluate the safe places for victims and started contacting to their respective teams and local administration.
- Regular practice of such drill is necessary for better coordination.
- To send teams to other states which have suffered such incidents in the past in order to gain better experience/ learning.

Site:-7 District Parade Ground as Staging Area

Name of Observer:: Shri Ghanashyam Paswan, Inspector, SSB Sector HQ, Chaprakata Bongaigaon.

Observations::

- The initial assessment was good.
- All the available resources were utilized properly as per requirement.
- Overall percentage of success is 80%.
- However, there was no security arrangement at the Staging area.

## **LESSON LEARNT AND SUGGESTIONS FROM THE DISTRICT ::**

The gaps/ observations/ suggestions and lessons learnt during the Multi State Mock Exercise conducted w.e.f 15<sup>th</sup> to 17<sup>th</sup> November, 2022 are as under ::

1. There is a need of permanent set up APRO facilities at the DEOC, Chirang for uninterrupted communication in such a crucial situation.
2. Need HAM Radio.
3. There is immediate need for augmenting the existing strength of SDRF personnel at Kajalgaon Fire Services Station in the district. Moreover, there is also need to deploy SDRF personnel permanently at Bijni Fire Services Station.
4. Since the Civil Defence volunteers plays an important role in any of the disaster situation, and as the district does not have any set up of Civil Defence unit in the district, a Civil Defence unit for the district is utmost necessity for continuous training for the local youths who would definitely a great help during any disaster for the administration.
5. To lay maximum focus on empowering community people through regular training & capacity building programmes as the community is the first responder to any disaster.
6. Regular practice of such kind mock drills at a regular interval for better and smooth coordination during any real situation.
7. Need to have satellite phones at the District and Circle Offices.

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## **ANNEXURE::**

1. Photographs of the Mock Drill.
2. Observers' filled up Report.
3. Clips of Media Coverage



Addl. Deputy Commissioner-cum-CEO  
DDMA, Chirang, Kajalgaon.

Some Photos of Multi State Level Mock Drill 2022, Chirang

BGR Admin Building Site:







Some Photos of Delhi Public School Site:





Some Photos of DEOC Site:



Some Photos of DTO Site:





Some Photos of JSB Hospital Site:







Some Photos of Relief Camp Site:



Some Photos of Police Staff Quarter Site:

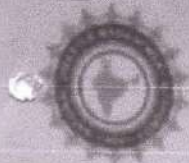




**Some Photos of Staging Area:**







**MULTI STATE LEVEL MOCK EXERCISE 2022  
OBSERVER'S FORMAT**



SL	ASPECT	OBSERVATION/COMMENT
1	Simulation Site name/ EOC: Name /IRS Role: [E.g. Staging Area/ Relief Camp/ Hospital]	Admin Block - B Bongaigaon Refinery
2	Officer in-charge/Team [Name & Designation]	Mr Dipankar Bora AC
3	Deputy in-charge [Name & Designation]	
4	Observer [Name & Organization (Name)]	Mr Kalyan Sarma Bongaigaon Refinery IOU
5	What was the first reaction of Stakeholder/ Organization on receipt of information?	A high intensity tremor was felt at around 09:05 hrs of 17/07/22. Employees and support staff present in Admin Block A & B started self evacuation and also security personal made announcement for evacuation through megaphone. A portion of the Admin Block-B at front Section in the western side collapsed during the earth quake.
6	Their initial & subsequent assessment of the situations?	Site Incident Controller (SIC) arrived at outside of the Admin building Block and informed the CIC about the building collapse at around 09:10 AM. Also a warning siren was blown at 09:20 AM. He also sent one messenger to Bongaigaon police station to inform about the collapse of Admin Block-B and BPS block-2.
7	Duties undertaken by the Team Leader [Give details of duties]	Team leader Mr. Dipankar Bora AC arrived at site at 9:28 AM and took stock of the situation at site and gave time to time information about the site status to CDEC.
8	Resources Available and utilised for the specific tasks [Assessment of shortfall & plans for making up. Whether prioritization done in application. Integration of volunteers/NGOs. Optimum use of NDRF/ other forces etc.]	A disaster siren was blown at BGR refinery at 09:25 hrs. Medical team with ambulance arrived at site at 9:27 hrs. Rescue group of CFSR arrived at 9:28 hrs and started activity of rescue of injured persons.
9	Was the organization able to carry out its assigned task? [100 % Success / 75 % Success / 50 % Success / 25 % Success]	A major fire broke out at the collapsed section of Admin Block-B at around 09:30 hrs. Fire tender of BGR arrived at 09:32 hrs and fire was extinguished by around 09:40 hrs.
10	Observers Comments [personal opinion, good practices and weakness / shortcomings noticed]	4 nos. of stretchers used for rescue and two ambulances of fire were engaged. 7 minor injured persons and 5 major injured person rescued. Rescue activity completed by about 10:20 hrs.

The mock drill was observed to be satisfactory



MULTI STATE LEVEL MOCK EXERCISE 2022  
OBSERVER'S FORMAT



SL.	ASPECT	OBSERVATION/COMMENT
1	Simulation Site name/ EOC: Name /IRS Role: [E.g. Staging Area/ Relief Camp/ Hospital]	STAGING AREA
2	Officer in-charge/Team [Name & Designation]	MISS RAKHSREE LAIKHARU (A.G. Chitrag)
3	Deputy in-charge [Name & Designation]	SH DIPAK PATNAKI (DTO)
4	Observer [Name & Organization (Name)]	INSPECTOR GIANSHYAM PASHWAN SSB
5	What was the first reaction of Stakeholder/ Organization on receipt of information?	Stake holder passed the information & mobilized the troops.
6	Their initial & subsequent assessment of the situations?	The initial assessment was good.
7	Duties undertaken by the Team Leader [Give details of duties]	INSP - ANIL KUMAR. OISF, For DPS & GGR ASI - JAWAHAR SINGH SSB For DTO Building
8	Resources Available and utilised for the specific tasks [Assessment of shortfall & plans for making up. Whether prioritization done in application, Integration of volunteers/NGOs. Optimum use of NDRF/ other forces etc.]	Utilised effectively with & Troops as per require.
9	Was the organization able to carry out its assigned task? [100 % Success / 75 % Success / 50 % Success / 25 % Success]	80% Success.
10	Observers Comments [personal opinion, good practices and weakness / shortcomings noticed]	In my view. No any Security in surround the staging area.

G. Imman  
17/11/22



**MULTI STATE LEVEL MOCK EXERCISE 2022  
OBSERVER'S FORMAT**

DC Office  
Chinang



SL.	ASPECT	OBSERVATION/COMMENT
1	Simulation Site name/ EOC: Name /IRS Role: [E.g. Staging Area/ Relief Camp/ ----- Hospital]	Control Room, DC office, Chinang
2	Officer in-charge/Team [Name & Designation]	Sh P. Vijay Bhaskar Reddy, IAS, DC, Chinang
3	Deputy in-charge [Name & Designation]	Sh Ajit Kumar, ADC, Chinang
4	Observer [Name & Organization (Name)]	Inspector Vishal Srivastava 01 Bn NDRF
5	What was the first reaction of Stakeholder/ Organization on receipt of information?	On receiving info they were in the state of Alertness, tried to evaluate the safe places for victims, and started contacting to their respective teams of local administration.
6	Their initial & subsequent assessment of the situations?	As the scale of Earthquake was 8.07 on Richter scale, it is to assess to rescue, relief camp set up, disposal of dead bodies.
7	Duties undertaken by the Team Leader [Give details of duties]	Setting up comm, safe zones, medical centre, Ops base, moving machinery.
8	Resources Available and utilised for the specific tasks [Assessment of shortfall & plans for making up. Whether prioritization done in application. Integration of volunteers/NGOs. Optimum use of NDRF/ other forces etc.]	JCBs, Gen Set, Warden chain saw, AR Saw, Chipping Hammer. Senging of medical/Hospital capacity, relief camps. <u>NGOs</u> - supply of food, disposal of D/bodies, relief camp resto, water supply. bishment,
9	Was the organization able to carry out its assigned task? [100 % Success / 75 % Success / 50 % Success / 25 % Success]	Yes, But as the scale is 8.07 on Richter scale, then only 75% things can be managed.
10	Observers Comments [personal opinion, good practices and weakness / shortcomings noticed]	Regular practice of activation of indvidl the real time situation. To send teams to other states suffering such incidents to learn the real time situation of to gain experience.





MULTI STATE LEVEL MOCK EXERCISE 2022  
OBSERVER'S FORMAT



SL.	ASPECT	OBSERVATION/COMMENT
1	Simulation Site name/ EOC: Name /IRS Role: [E.g. Staging Area/ Relief Camp/ ----- Hospital]	DELHI PUBLIC SCHOOL, DHALIGADH
2	Officer in-charge/Team [Name & Designation]	MANOJ KUMAR SHARMA TGT, GEOGRAPHY
3	Deputy in-charge [Name & Designation]	DEEPANKAR MAJUMDAR, PRT SCIENCE
4	Observer [Name & Organization (Name)]	JAYANT PRAKASH, 1 <sup>st</sup> NDRF GUWAHATI
5	What was the first reaction of Stakeholder/ Organization on receipt of information?	Allocate the responsibi- lities to the various depar- tment. quickly evacu- ated by district agencies.
6	Their initial & subsequent assessment of the situations?	Their initial & subse- quent assessment was good of the situation.
7	Duties undertaken by the Team Leader [Give details of duties]	The student's drill was good and well managed by team leader
8	Resources Available and utilised for the specific tasks [Assessment of shortfall & plans for making up. Whether prioritization done in application. Integration of volunteers/NGOs. Optimum use of NDRF/ other forces etc.]	Resources utilised effectively by district agencies. MHO Relief: Relief camp, medical aid set up disposal of dead body
9	Was the organization able to carry out its assigned task? [100 % Success / 75 % Success / 50 % Success / 25 % Success]	75%.
10	Observers Comments [personal opinion, good practices and weakness / shortcomings noticed]	valuable places was not covered properly by police and security forces. it is required to <del>the</del> cordon area and required to stop gathering of civit Public on spot.

Practise is required for better result in future. otherwise overall practise was very good. Regular practise to real time, real situation.



MULTI STATE LEVEL MOCK EXERCISE 2022  
OBSERVER'S FORMAT



SL.	ASPECT	OBSERVATION/COMMENT
1	Simulation Site name/ EOC: Name /IRS Role: [E.g. Staging Area/ Relief Camp/ ----- Hospital]	<del>D.T.O. office, Chirang</del> Police staff quarters and Miss Pratiksha Dutta Executive Engineer
2	Officer in-charge/Team [Name & Designation]	
3	Deputy in-charge [Name & Designation]	
4	Observer [Name & Organization (Name)]	Prabhat Kumar, A.C. 15 <sup>th</sup> B, SSB, Kaylgaon (Canteen)
5	What was the first reaction of Stakeholder/ Organization on receipt of information?	Reacted promptly.
6	Their initial & subsequent assessment of the situations?	Very good.
7	Duties undertaken by the Team Leader [Give details of duties]	Organised the entire process nicely with other agencies.
8	Resources Available and utilised for the specific tasks [Assessment of shortfall & plans for making up. Whether prioritization done in application. Integration of volunteers/NGOs. Optimum use of NDRF/ other forces etc.]	Resources were available and were utilised for the specific tasks.
9	Was the organization able to carry out its assigned task? [100 % Success / 75 % Success / 50 % Success / 25 % Success]	Yes, 90%.
10	Observers Comments [personal opinion, good practices and weakness / shortcomings noticed]	All the arrangements were very good. Reaction time was good. Further coordination between all the stakeholders should be improved. Medical facilities such as ambulance and first aid are required to be improved.



MULTI STATE LEVEL MOCK EXERCISE 2022  
OBSERVER'S FORMAT



SL	ASPECT	OBSERVATION/COMMENT
1	Simulation Site name/ EOC: Name /IRS Role: [E.g. Staging Area/ Relief Camp/ ----- Hospital]	D.T.O. office, Chisang
2	Officer in-charge/Team [Name & Designation]	Smt. Mania Taniw, Coode officer, Bijnor G.C. Magistrate.
3	Deputy in-charge [Name & Designation]	
4	Observer [Name & Organization (Name)]	Prabhat Kumar, A.C.(Commn), 15 <sup>th</sup> Bn, SSB, Kajalgaon
5	What was the first reaction of Stakeholder/ Organization on receipt of information?	Reacted promptly
6	Their initial & subsequent assessment of the situations?	Very good.
7	Duties undertaken by the Team Leader [Give details of duties]	Team leader organised the <del>entire</del> entire process with all the agencies
8	Resources Available and utilised for the specific tasks [Assessment of shortfall & plans for making up. Whether prioritization done in application. Integration of volunteers/NGOs. Optimum use of NDRF/ other forces etc.]	Medical team, Security arrangements, rescue team, all were available and performed very good. Equipments were available
9	Was the organization able to carry out its assigned task? [100 % Success / 75 % Success / 50 % Success / 25 % Success]	Yes, 90%.
10	Observers Comments [personal opinion, good practices and weakness / shortcomings noticed]	My opinion is that all the arrangements were very good. However ambulance facility should be improved. Further, coordination amongst stakeholders should be improved. Reaction time of teams were very good.



MULTI STATE LEVEL MOCK EXERCISE 2022  
OBSERVER'S FORMAT



SL.	ASPECT	OBSERVATION/COMMENT
1	Simulation Site name/ EOC: Name /IRS Role: [E.g. Staging Area/ Relief Camp/ ----- Hospital]	JSB, Civil Hospital Kajalgaon
2	Officer in-charge/Team [Name & Designation]	Dr. Pabitra Das Supt, JSB
3	Deputy in-charge [Name & Designation]	Dr. Sadagar Singh
4	Observer [Name & Organization (Name)]	Chhering Tondup, Asstt. Comdt CISF.
5	What was the first reaction of Stakeholder/ Organization on receipt of information?	Established relief camp, medical facilitation, arrangement of beds, life saving equipments on an open area.
6	Their initial & subsequent assessment of the situations?	They assessed the damage and injuries followed by medical help & rescue operations
7	Duties undertaken by the Team Leader [Give details of duties]	Deputed one person to pass the message regarding damage & injuries. Called up rescue teams and started rescue operation.
8	Resources Available and utilised for the specific tasks [Assessment of shortfall & plans for making up. Whether prioritization done in application. Integration of volunteers/NGOs. Optimum use of NDRF/ other forces etc.]	All the resources such as Stretchers, Ambulances, medical equipments were used properly. A team of 12 nos of JSB and local public were used in rescue operation.
9	Was the organization able to carry out its assigned task? [100 % Success / 75 % Success / 50 % Success / 25 % Success]	75%
10	Observers Comments [personal opinion, good practices and weakness / shortcomings noticed]	Overall mock drill execution was very good. However one should be prepared for real time scenario

# অসমীয়া প্ৰতিদিন

Home E-Paper অসম ৰাষ্ট্ৰীয় আন্তঃৰাষ্ট্ৰীয় ক্ৰীড়া-জগত অৰ্থনীতি গুৱাহাটী বিনোদন



মহানগৰীত পুনৰ সংঘটিত হৈছে  
অগ্নিকাণ্ড...

Asomiya Pratidin · 14 hours ago

**ডিজিটেল সংবাদ চিৰাং:** ৰাষ্ট্ৰীয় দুৰ্যোগ ব্যৱস্থাপনা কৰ্তৃপক্ষই অসম ৰাজ্যিক দুৰ্যোগ ব্যৱস্থাপনা প্ৰাধিকৰণ আৰু চিৰাং জিলা দুৰ্যোগ ব্যৱস্থাপনা প্ৰাধিকৰণৰ সহযোগত আজি ভূমিকম্প দুৰ্যোগৰ ওপৰত ৰাজ্যিক পৰ্যায়ৰ বিপদকালিন আখৰা অনুষ্ঠিত কৰে। দিল্লী পাব্লিক স্কুল, বি জি আৰ টাউনশ্বিপ, আই অ' চি এল-বি জি আৰ প্ৰশাসনিক ভৱন, জিলা পৰিবহণ কাৰ্যালয় ভৱন, চিৰাং আৰক্ষী সংৰক্ষিত কৰ্মচাৰী কোৱাৰ্টাৰ আৰু জে এছ বি অসামৰিক চিকিৎসালয় আদি স্থানসমূহ ক্ষতিগ্ৰস্ত অঞ্চল হিচাপে বাছনি কৰা হয়।

পুৱা ৯.০৬ বজাত ভূমিকম্পৰ সংকেত ধ্বনি বজোৱাৰ লগে লগে জিলা জৰুৰীকালীন অভিযান কেন্দ্ৰ, ষ্টেজিং এৰিয়া, ইঞ্চিডেণ্ট কমাণ্ড পোষ্ট, মেডিকেল ইত্যাদি সকলো সক্ৰিয় কৰা হয়। লগে লগে অনুসন্ধান আৰু উদ্ধাৰকাৰী দল, অগ্নিনিৰ্বাপক দল, এছ ডি আৰ এফ, চিকিৎসা দল আৰু অন্যান্য দ্রুত উদ্ধাৰকাৰী দল আদি সংশ্লিষ্ট এলেকাত সংগঠিত কৰা হয়।

ঘটনাস্থলীত স্থাপন কৰা চিকিৎসা সাহায্য চকীত আহত ৰোগীসকলক প্ৰাথমিক চিকিৎসা প্ৰদান কৰাৰ লগতে গুৰুতৰভাৱে আহত ৰোগীসকলক জে এছ বি অসামৰিক চিকিৎসালয়লৈ লৈ যোৱা হয়। উক্ত মেগা ইভেণ্টত জিলা প্ৰশাসনৰ উপৰিও এছ এছ বি, এছ ডি আৰ এফ, অগ্নিনিৰ্বাপক আৰু জৰুৰীকালীন সেৱা, আই অ' চি এল-বি জি আৰ, চি আই এছ এফ, লাইন বিভাগৰ বিষয়া, ৰাজ্যিক আৰক্ষী, সামূহিক স্বেচ্ছাসেৱক আদিয়ে সক্ৰিয়ভাৱে অংশগ্ৰহণ কৰে।

উক্ত বিপদকালীন সংকট মোচন আখৰাৰ বাবে চি আই এছ এফ, এছ এছ বি, আই অ' চি এল-বি জি আৰ কৰ্তৃপক্ষৰ পৰাও স্বতন্ত্ৰ পৰ্যবেক্ষক নিয়োগ কৰে আৰু সেই অনুসৰি পৰ্যালোচনা বৈঠকত তেওঁলোকৰ পৰ্যবেক্ষণ দাখিল কৰে। এই অনুশীলন সকলো অংশীদাৰৰ বাবে নতুন কথা শিকিবলৈ, তৰ্কটি-নতি চিনাক্ত কৰিবলৈ আৰু সংশোধনীমূলক ব্যৱস্থা গ্ৰহণ কৰিবলৈ এক ডাঙৰ শিক্ষণ সুযোগ হৈ পৰিছে যিয়ে বাস্তৱ পৰিস্থিতিৰ সময়ত সকলো অংশীদাৰৰ মাজত মসৃণ সমন্বয় নিশ্চিত কৰিব।

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## चिराडव बांग्रि मावनायनि सिगां सांग्रांथि लानांगौ रहानि सोमोन्दै सावरायदों

चिरां, 17 नभेम्बर: माहारियारि मिथिंगायारि जाब्रबथाय सामलायगिरि आसाम राज्योयारि मिथिंगायारि जाब्रबथाय सामलायग्रा आरो चिरां जिल्ला मिथिंगायारि जाब्रबथाय सामलायग्रानि हेफाजाबाव बृहस्पतिबासव बांग्रि मावनायनि मिथिंगायारि अलकदनि सायाव राज्योयारि थाखोनि सांग्रांथि बादानि सोमोन्दै गुवारै सावरायनाय मोनसे हाबाफारि खुंफुनायखौ 7 बिलाइआव



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उदाल  
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### हायेननि रादाब

#### 1 बिलाइनिफ्राय.....

### चिराडव बांग्रि मावनायनि सिगां सांग्रांथि.....

नुनो मोनदों। दिल्ली पाब्लिक स्कुल, बिजिआर टउनसिप, आइअसिएल-बिजिआर खुंथाइ भवन, जिल्ला रोगाथाय मावख' भवन, चिरां पुलिस सरैखाथियारि मावफारियाफोरनि क्वार्टर आरो जेएसबि राज्योयारि फाहामसालि बायदि जायगाफोरखौ खहा जानो हाथाव ओनसोल हिसाबै सायख'ना लानायखौ नुनो मोनदों। फुनि 9:06 रिगायाव बांग्रि मावनायनि इसार सोदोब रिखानाय लोगो लोगो जिल्ला हरखाब सिबिथाइ मिरु, स्टेजिं एरिया, इनसिदेन्त कामान्द पस्त, मेडिकेल गासैखौबो सांग्रां खालामनाय जायो। लोगो लोगोनाय नायगिरसंनाय आरो बोखांग्रा दोलो, अर खोमोरग्रानि दोलो, एसडिआरएफ, फाहामग्राफोरनि दोलो आरो गोबां गोखै बोखांग्रा दोलो बायदिफोर थिजाखानाय ओनसोलाव जथायनानै दोनजानायखौ नुनो मोनदों। जाथायसालियाव गायसनजानाय फाहामथाय हेफाजाबारि बादायाव जखम जानाय बेमारिफोरखौ गुदि फाहामथाय होनायजों लोगोसे गोब्राबै जखम जानाय बेमारिफोरखौ जेएसबि देहा फाहामसालियाव थिसनहैनाय जायो। बे मेगा इभेन्टआव जिल्ला खुंथाइनि अनगायैबो एसएसबि, एसडिआरएफ, अर खोमोरग्रा हान्जा आरो हरखाब सिबिथाइ, आइअसिएल-बिजिआर, सिआइएसएफ मोब्लिब बिफाननि मावफारियाफोर, राज्योयारि पुलिस बिफान, एनजिअफोर बाहागो लानो हानायखौ नुनो मोनदों। बे खैफोदनि सिगां आगु सांग्रांथि बादानि थाखाय सिआइएसएफ, एसएसबि, आइअसिएल-बिजिआर सामलायगिरिफोरनिफ्रायबो उदांश्री गोनां नायफामफिनग्रा थिसन्नाय जायो आरो बेखौ उनसंनायै सावरायफिन्नाय जथुम्मायाव गावसोरनि नायसंनायखौ गथायनायखौ नुनो मोनदों। बे आगु सांग्रांथि बादायाव बाहागो लानो हाग्राफोरनि थाखाय गोदान बाश्चा सोलोंनो सांग्रांथि आरो लोरबांथिखौ सिनायथिनानै फोसाबफिन्नायनि राहा लानो मोनसे गेदेरथार फोरोंथाइनि खाबुआ जायगा मोनदों जेरव मोगथां थासारिजों जुजिनाय समाव गासैबो बाहागो लागिरिफोरा फोरोंथाइयाव मोन्नाय गियाव आरो खौसलफोरखौ मोगथाडव बाहायनो हागोनखौ रोखा मिजिथिनायखौ नुनो मोनदों।

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गाहा  
गेदेर

# Mock exercise on earthquake conducted Int



OUR CORRESPONDENT

**KOKRAJHAR, Nov 18:** National Disaster Management Authority (NDMA) in collaboration with Assam State Disaster Management Authority (ASDMA) and District Disaster Management Authority (DDMA), Kokrajhar conducted the State Level Mock Exercise on Earthquake Disaster on Thursday.

Altogether 5 locations were selected as affected venues in Kokrajhar District namely DN Himatsingka High School, residential apartment at Bidhanpally, RNB Civil Hospital, Vishal Megha Mart and DLR office building. Immediately after blowing of earthquake siren at 9.03 am, all the designated places such as District Emergency Operation Centre (DEOC), Staging Area, Incident Command Post, Medical Aid Post etc were activated as per Incident Response Structure. All the available resources like search and rescue teams, fire fighting teams, SDRF, Medical Teams and other QRTs

(Quick Response Team) etc were mobilized at the Staging area from where the deployment of resources was done based on actual need of the simulation sites. The injured patients were given first aid treatment at the medical aid post set up at the incident site and from where the severely injured victims were taken to RNB Civil Hospital. Besides the District Administration, SSB, SDRF, NDRF, Fire and Emergency Services, CISF, Line department officials, State Police, Aapda Mitras, Community Volunteers etc actively participated in the said mega event. Independent observers were also appointed from NDRF and Army for the said mock exercise and submitted their observation accordingly in the debriefing session.

This exercise has been a big learning opportunity for all the stakeholders to learn new things, identify the gaps and to take corrective measures which will ensure smooth coordination amongst all the stakeholders during a real situation.

In Chirang district also the NDMA in collaboration with ASDMA and DDMA, Chirang carried out the State Level Mock Exercise on Earthquake Disaster on Thursday. The five venues where the mock exercises were held are Delhi Public School, BGR Township of Dhaligaon, IOCL-BGR Administrative Building, District Transport Office building, Chirang Police Reserved Staff Quarter and JSB Civil Hospital, Kajlagaon.



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**PROGRAMMATIC REPORT  
OF  
MULTI STATE MOCK EXERCISE IN BONGAIGAON DISTRICT**



**Conducted by  
Assam State Disaster Management Authority (ASDMA)  
and  
District Disaster Management Authority (DDMA), Bongaigaon  
in collaboration with  
National Disaster Management Authority (NDMA)  
9<sup>th</sup>, 15<sup>th</sup> & 17<sup>th</sup> November, 2022**



## **A. BACKGROUND**

The National Disaster Management Authority (NDMA) in collaboration with Assam State Disaster Management Authority (ASDMA) and District Disaster Management Authority (DDMA), Bongaigaon conducted the State Level Mock Exercise on Earthquake Disaster w.e.f 15<sup>th</sup> November, 2022 to 17<sup>th</sup> November, 2022. Altogether 5 (five) locations were chosen to conduct this exercise involving all the concerned stakeholders. The primary objective of this mock drill was to test/ assess the level of preparedness of different responding agencies with the available resources at its disposal if an earthquake 8 or above Richter scale strikes in the district followed by the roles to be played by the agencies in the post disaster scenario for better and prompt coordination during response. And also to identify the gaps for future correction and evolve a viable action plan to meet such an emergency situation.

### **HAZARD PROFILE OF THE DISTRICT::**

Bongaigaon District is a Multi-Hazard District situated in Seismic Zone –V. The District is vulnerable to flood, thunder squall/ thunderstorm, industrial disaster etc.. Moreover, the district is also prone to human induced hazards like fire, road accident etc.

Flood is a perennial problem in the district. Every year the district experiences the havoc of flood. Flood situation mainly occurs in the district due to heavy rainfall in the upper catchment of adjacent districts of Bhutan which flows through the downstream rivers like Aie, Manas Champa etc causing inundation in the habitation areas of the district. Every year a large number of people are affected forcing them to take shelter in the relief camps. Besides flood, erosion is a major problem in the district. Every year a large tract of land gets eroded due to the rivers mainly Aie, Brahmaputra and Manas.

The District experiences the thunderstorm/ storm/ cyclone mostly during the month of March to May every year. It also causes a large scale devastation every year.

Again accidents are the man made situations which usually takes place due to human negligence, technical failure. The district having a National Highway encounters road accidents from time to time.

### **AIM AND OBJECTIVE OF THE MOCK EXERCISE::**

- To inculcate the culture of preparedness amongst all the Officers in the district, Schools, Community.
- To review and identify the gaps in the disaster management plans.
- To test the promptness & effectiveness in response of different agencies.
- To highlight the roles and responsibilities of the concerned stakeholders.
- To enhance coordination and synergize efforts of various govt. departments, nongovernmental organizations and community at large in the district.

### **DETAILS OF MOCK EXERCISE CONDUCTED::**

The 5 sites selected for the mock exercise is as follows:

<b>Sl. No.</b>	<b>Name of the Incident Sites</b>	<b>Reemarks</b>
1	Borobazar,Bongaigaon	Market Area
2	Sangram Niloy Apartment,Bongaigaon	Residential Area
3	O/o the Deputy Commissioner,Bongaigaon	Govt. Office
4	Kanya Mahavidyalaya,Bongaigaon	College
5	Bongaigaon Civil Hospital,Bongaigaon	Hospital

- Details of Staging Area

The playground of Birjhora HS School field was used as Staging Area for the Multi State Mock Exercise held on 17<sup>th</sup> November, 2022. All the resources available at the disposal of the District Administration as well as private agencies namely SDRF, Medical Team, Ambulances, JCB, Tractor, Volunteers, other departmental officials/ staff responsible for quick response etc immediately gathered at the Birjhora HS School field after blowing of earthquake Siren. The District Transport Officer, Bongaigaon reported as Staging Area Manager for the Mock Drill.

- Venue-wise response by the various response agencies as per scenario created.

<b>Sl. No.</b>	<b>Name of the identified location</b>	<b>Scenario</b>	<b>Victims</b>	<b>Response</b>	<b>Responding Agencies</b>
<b>1</b>	<b>Borobazar</b>	Fire Outbreak	No Casualty	Control and extinguishing of Fire	SDRF/F&ES
<b>2</b>	<b>Sangram Niloy Apartment</b>	Earthquake and Staricase Collapse	Injured-4 Death- Nil	Search & Rescue /Triage	SDRF/F&ES
<b>3</b>	<b>O/o the Deputy Commissioner, Bongaigaon</b>	Earthquake and evacuation by ladder	Injured-5 Death-1	Search & Rescue/Triage	NDRF/Civil Defence
<b>4</b>	<b>Kanya Mahavidyalaya</b>	Earthquake ,Stair Case blocked	Injurted-9 Death-1	Search & Rescue/Triage	NDRF/Civil Defence
<b>5</b>	<b>Medical Aid Post</b>	Mass Csualty	20 Victims(14 referred to Civil Hospital)	Triage and Treatment of casualties	Bongaigaon Block PHC
<b>6</b>	<b>Bongaigaon Civil Hospital</b>	Mass Casualty	14	Triage and Treatment of casualties	Civil Hospital Authorities

- Activation of IRTs and role played::

Immediately after blowing of earthquake siren, the members of the Incident Response Team (IRT) of Bongaigaon gathered at the makes-shift District Emergency Operation Centre (DEOC), Bongaigaon which was set up at Birjhora HS School Playground. The Deputy Commissioner, Bongaigaon being the Responsible Officer, chaired an emergent meeting with all the important stakeholders. The IRT members started to gather as much information as possible from different sources and started assessment of damages and injuries caused by the earthquake. The location-wise designated Site-Incident Commander was deployed afterwards in all the 5 (five) affected locations so that the DEOC can get actual ground situation report. Based on requisitioned placed by the site incident commanders, resources were deployed from the Staging Area to different incident sites for immediate response.

- Communication established through various means::

As telephone/ mobile network connectivity was completely collapsed aftermath of the earthquake, communication system was established through local APRO units. The I/c, APRO, Bongaigaon immediately made temporary arrangement for setting up communication network at District Emergency Operation Centre (DEOC), Bongaiaon and all the other affected sites.

#### **SITE-WISE GENERAL OBSERVATION::**

Independent Observers were detailed from NDRF, MHA, Govt. of India who made their observation in the Multi State Mock Drill on Earthquake Disaster. The site specific observations are as follows:

Name of Observers: -

1. Inspector Shravan Kumar, 1<sup>st</sup>.Bn.NDRF, Guwahati
2. ASI Mukesh Kumar, 1<sup>st</sup>.Bn.NDRF, Guwahati

#### **Site: - 1. Borobazaar (Market Area)**

##### **Observations:**

- Initial response and subsequent assessment was good of the situation.
- Available resources were utilized effectively by the agencies.
- However, valuable places were not covered properly by Police and other Security agencies. It was required to cordon off the area and required to stop gathering of Civilian/Public on the spot.
- Practice is required for better result in future. Overall practice was good.
- The organization has been able to achieve 75% of success rate in its assigned task.

#### **Site:- 2. Sangram Niloy Apartment (Residential Area)**

##### **Observations:**

- The initial response and subsequent response of the situation was very good.
- The team leader organized the entire process nicely with other agencies.
- Resources were available and were utilized for the specific task.
- All the arrangements were very good. Reaction time was also very good.
- Further, coordination between all the stakeholders should be improved.
- Medical facilities such as ambulance and first aid are required to be improved.
- Overall success rate of the organization was 75% in regard to carrying out its assigned task.

### **Site :-3 O/o the Deputy Commissioner, Bongaigaon(Govt. Office)**

#### **Observations:**

- Initial reaction was done promptly.
- Team Leader organized the entire process with all the agencies.
- Medical teams, security arrangements, rescue teams, all were available and performed very good. Equipments were also available.
- Overall arrangements were very good.
- However, ambulance facility should be improved and coordination amongst stakeholders should be improved. Reaction time of the teams were very good.
- Overall percentage of success of the organization was 90% with regard to carrying out its assigned task.

### **Site-4: Kanya Mahavidyalaya, Bongaigaon(College)**

#### **Observations:**

- Established relief camp Medical facilities, arrangement of beds, life saving equipments on an open area.
- The assessment of damages and injuries was done followed by medical help and rescue operation.
- The Team Leader detailed one person to pass the messages regarding damage and injuries, called up rescue teams and started rescue operation.
- All the resources such as stretchers, medical equipments were used properly. NDRF teams were used in rescue operation.
- Overall mock drill execution was very good. However, one should be prepared for real time scenario.
- The percentage of success of the organization in carrying out its assigned task was 90%.

### **Site:-5 Bongaigaon Civil Hospital (Hospital)**

#### **Observations:**

- The organization has been 100% successful in carrying out its assigned task.
- The mock drill was found to be satisfactory.

### **LESSON LEARNT AND SUGGESTIONS FROM THE DISTRICT ::**

The gaps/ observations/ suggestions and lessons learnt during the Multi State Mock Exercise conducted w.e.f 15<sup>th</sup> to 17<sup>th</sup> November, 2022 are as under :

1. Alternative DEOC should be identified and keep all members informed so that all members are aware as to where they have to gather in case of the collapse of the DEOC
2. There is a need of permanent set up APRO facilities at the DEOC, Bongaigaon for uninterrupted communication in such a crucial situation.
3. HAM Radio is required in the district.
4. There is immediate need for augmenting the existing strength of SDRF personnel in the district.
5. To lay maximum focus on empowering community people through regular training & capacity building programmes as the community is the first responder to any disaster.
6. Regular practice of such kind mock drills at a regular interval for better and smooth coordination during any real situation.
7. Satellite phone maybe provided to all important departments.
8. Training should be imparted to all stakeholders in crowd management

### **ANNEXURE:**

1. Photographs of the Mock Drill.
2. Observers' filled up Report.
3. Clips of Media Coverage

  
**Addl. Deputy Commissioner-cum-CEO  
DDMA, Bongaigaon**

**PROGRAMMATIC REPORT  
OF  
MULTI STATE MOCK EXERCISE IN TEZPUR, SONITPUR  
DISTRICT**



**Conducted by  
Assam State Disaster Management Authority (ASDMA)  
and  
District Disaster Management Authority (DDMA), Sonitpur  
in collaboration with  
National Disaster Management Authority (NDMA)  
9<sup>th</sup>, 15<sup>th</sup> & 17<sup>th</sup> November, 2022**

## **BACKGROUND:**

NDMA has been organising Multi State Mock Exercise to evaluate the Disaster Response Mechanism of State and District Administration. NDMA proposed Earthquake Disaster Mock Exercise to be conducted at 9 (nine) districts HQ i.e. Tinsukia, Sibsagar, Silchar, Bongaigaon, Kokrajhar, Diphu, Haflong, Tezpur & Guwahati on 17<sup>th</sup> November, 2022. NDMA in association with ASDMA conducted orientation & coordination meeting with all stake holders via Video Conferencing on 9<sup>th</sup> November, 2022. On 15<sup>th</sup> November 2022 a Table Top Exercise was also conducted via Video Conferencing with all State and District level Stake holders.

DDMA, Sonitpur successfully conducted the Earthquake Disaster Mock Exercise on 17<sup>th</sup> November, 2022, and also participated in the debriefing session via video conferencing with Observers and officials of NDMA/ ASDMA.

## **HAZARD PROFILE OF THE DISTRICT:**

A disaster can either be natural (Rain, Flood, Cyclone, Storm, Land slide, Earthquake and Volcanoes) or man made [War, including Biological, Arson, Sabotage, Riots Accident (train, air, ship) Industrial Accidents, Fires, Bomb Explosions, Nuclear Explosion and Ecological disasters].

Hazard is an event which causes a situation which can be dangerous to people or property if occurred in the populated area. For example: Cyclone, Earthquake, Flood, Drought etc. Hazards identifications and vulnerability analysis is two steps process. First the hazard is identified which has the potential of affecting the population. Secondly, how people, property and structure will be affected by the disastrous event.

On the basis of their occurrences, hazards can be roughly predicted to occur at a certain time, so that necessary measures of reducing the effects can be taken prior to their occurrences. However, disaster may strike at any moment, so it is better to stay prepared at all times.

## **District Profile**

### **Land and People**

Sonitpur district is spread over an area of 2076.70 sq. kms. on north bank of Brahmaputra river.

### **Boundaries:**

**North:** The state of Arunachal Pradesh.

**South:** Morigaon, Nagaon, Jorhat and Golaghat districts.

**East:** Biswanath District.

**West:** Darrang District.

(Pachnai River serves as the boundary)

The District lies between 26° 30'N and 27° 01'N latitude and between 92° 16'E and 93° 43'E longitude.

### **Physiography:**

Located between mighty Brahmaputra River and Himalayan foothills of Arunachal Pradesh, the district is largely plain with some hills.

### **Rivers:**

Brahmaputra River forms the south boundary of the district. A number of rivers which originate in the Himalayan foothills flow southwards and ultimately fall in Brahmaputra River.



Pachnai, Belsiri, Gabharu (and its sub-tributary Sonai-Rupai)  
 Bhoroli (and its sub-tributaries Upper Dikorai and Bor Dikorai)

**Climate:**

The mean rainfall of the district is 1687.65 MM. The monsoon season starts from May to October and extend upto later part of October.

**Major Disasters: (Experienced in the District)**

Natural Disasters	Man Made Disasters
Seasonal Floods	Communal Ethnic Problem
Flashfloods	Accident – Road / Railway
Epidemic (Malaria, Japanese Encephalitis etc)	Fire - House / Forest
Earthquake	
Drought	
Hail Storm/ Whirl Wind	
Riverbank Erosion	

PERIOD OF PROBABLE OCCURANCE													
NAME OF DISASTER	MONTHS												
	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	
FLOOD					←————→								
EARTHQUAKE	←————→												
STORM		←————→											
LIGHTNING			←————→										
FIRE	←————→												

←————→ Periods of occurrence

The state of Assam as a whole can be categorized as a flood prone state and Sonitpur district is situated in the northern plain agro-climatic zone of the state. The river Brahmaputra flows along the entire southern border of district with its tributaries criss-crossing through the district in the north to south direction. The district experiences a hot and humid climate with moderate to heavy rainfall. The northern part of the district receives comparatively higher rainfall due to its location near the Himalayan foothill.

The major disaster related problem of Sonitpur district is flood which has been ravaging unabatedly since time immortal. Revenue Circles are annually affected by natural disasters like flood, erosion and storms of which the flood and erosion are most devastating causing great loss of standing crops, damage to public property like roads, schools, houses etc. Along with flood, erosion

is a common malady due to which Sonitpur district is annually losing tracts of land to river Brahmaputra.

As Sonitpur district is located in Seismic Zone V, there is a high probability of occurrences of Earthquake. The other natural disasters that takes place are storm and fire.

### **Tezpur Revenue Circle Profile**

The Tezpur Sadar Revenue Circle is situated in the Tezpur Town with 131(one hundred and thirty one) number of villages. Total area under the Revenue Circle is 2,11,820 Bighas 3 Katha & 13 lessa. As per 2011 census the total population of Tezpur Revenue Circle is 2,74,718. (Two lakhs seventy four thousand and seven hundred eighteen) only. The Circle is bounded by the mighty Brahmaputra River on north, Chariduar on the south, Naduar on the east and Thelamara, Dhekiajuli on the west. The Brahmaputra River is flowing all along the Tezpur town and other revenue village in Northern bank with small rivers like The Marabharali, Gabharu, Dipota, all originate in foot hills of the Himalayan Range. The mighty Brahmaputra River flows along northern boundary of the circle. Jia-Bharali River flows through East south part of the Circle. A major part of the Tezpur Revenue Circle is a perennially flood /erosion effected circle.

**Topography:** - The Circle is bounded by the mighty Brahmaputra River on north, Chariduar on the south, Naduar on the east and Thelamara, Dhekiajuli on the west.

A major part of the Tezpur revenue circle is a perennially flood /erosion effected circle. The Brahmaputra River is following all along the Tezpur town and other revenue village in Northern bank with small rivers like The Marabharali, Gabharu, Dipota, all originate in foot hills of the Himalayan Range.

**Rivers:** - The mighty Brahmaputra River flows along northern boundary of the circle. Jia-Bharali River flows through East south part of the Circle.

**Occurrence of Flood:**-Flood occurs generally in low lying area of the circle and northern part of the circle where The Brahmaputra River raises above the danger level during the period from June to August every year. The occurrence of flood in the circle is primarily due to river Brahmaputra, Jia-Bharali and their tributaries.

### **OBJECTIVES OF THE MOCK EXERCISE (M.E):**

- ❖ Exercising and rehearsing key disaster managers in their roles and responsibilities with respect to possible emergency situations through simulated scenarios, particularly those to be played in the impending M.E.
- ❖ Evolve viable response plans.
- ❖ Highlight the Roles and responsibilities of various stake holders as per IRS.
- ❖ Ensure Coordination among Emergency support Services.
- ❖ Generate public awareness.
- ❖ Identify gaps in the resources, communication, response capabilities etc.

## DETAIL OF THE MOCK EXERCISE CONDUCTED:

- **The 5 sites selected for the Mock exercise**

1. Tezpur Govt. Girls & M.P School (School)
2. Treasury Office building (Govt. Building)
3. Kanaklata Civil Hospital (Hospital)
4. Imperial Prem (Residential Area).
5. Chowk Bazar (Market Area)

- **Staging Area details**

The Staging Area was created at Church Field. All response agencies gathered at the Church Field along with their vehicles. The District Transport Officer was the staging area manager. As per the direction of the Responsible Officer the staging area manager deployed response team and vehicle to the incident site.

- **Venue wise response by various response agencies**

1. **Tezpur Govt. Girls & M.P School – (Tezpur Fire & Emergency Services.)**

As instructed by RO , Tezpur F& ES personnel with vehicle & equipments immediately rushed from Staging Area to Tezpur Govt. Girls & M.P School and conducted search & rescue operations. In total 16 injured persons were rescued and 12 severely injured were shifted to Civil Hospital.

2. **Treasury Office building – (Army)**

Army personnel were engaged at Treasury Office Building for Search & Rescue by RO. Army rescued 7 person from the treasury office building out of which 4 severely injured were shifted to KCH.

3. **Kanaklata Civil Hospital –( SDRF)**

RO engaged SDRF in the KCH where a part of the hospital collapsed and also surge capacity needed to be increased. SDRF rescued 15 injured person from KCH and assisted in shifting casualties at the hospital.

4. **Imperial Prem (Residential Area) –( SSB)**

A residential building “Imperial Prem” was damaged and SSB was deployed by RO for search and rescue ops. SSB rescued 9 civilians who were injured and trapped in the building. The severely injured 6 person were shifted to KCH in ambulance out of which 1 (One) was declared dead at hospital.

5. **Chowk Bazar (Market Area) –( NDRF)**

A part of the Chowk Bazaar of Tezpur town collapsed at 11.40 am , RO immediately engages the NDRF team for rescue. The NDRF team rescued 7 injured persons and provided first aid . 4 severely injured were shifted to KCH in ambulances.

A relief camp was also made operational in the nearby LOKD LPS where in total 13 inmates (partially injured) were provided medical aid, food, water, shelter etc.

- **Activation of IRTs and role played –**

After the earthquake strike Siren was blown and announcement was made through FLS to alert of an earthquake of Magnitude 8.3 Richter scale has hit Sonitpur District.

Deputy Commissioner of Sonitpur District who is the Responsible Officer (R.O) orders to active Incident Response Team (IRT) and all members of the IRT Sonitpur gathered at the DEOC within half an hour.

Incident Commander (ADC cum CEO, DDMA) briefed RO about the updated status and Planning Section Chief (DDC), Operation Section Chief (SP), Logistic Section Chief (ADC, Nazarat) prepared a plan of action for search and rescue and relief.

Incident Commanders at engaged by RO at different incident site brief and submitted report of the operations carried out for search, rescue and relief.

Staging Area Manager (DTO) gathered and mobilised all the response agencies, equipments, Inventories etc from the Staging Area (Church Field).

Liaison Officer (DPO, ASDMA) coordinated with all stake holders for search, rescue and relief operation.

Field Officer (DM, Tezpur Revenue Circle) documented the whole activity and also assisted in demobilization of units.

Information and Media Officer (DIPRO) prepared a report for media briefing by RO.

- **Communication establish through various means with the state etc.**

After the earthquake strike Siren was blown and announcement made through FLS to alert of an earthquake of Magnitude 8.3 Richter scale has hit Sonitpur District. Deputy Commissioner of Sonitpur District who is the Responsible Officer (R.O) orders to active Incident Response Team (IRT) and all members of the IRT Sonitpur gathered at the DEOC within half an hour.

As mobile, telephone etc communication was disrupted runners came to DEOC for reporting incidents occurred at different locations. APRO communication was established at DEOC. Incident Commanders and Staging Area Manager were provided with HF/VHF sets to communicate with RO and DEOC. In total 12 no. of HF/VHF sets with operators were engaged by APRO, Sonitpur in the Mock Exercise.

### **SITE WISE GENERAL OBSERVATION:**

#### **1. DEOC:**

- The Hand Siren of Civil Defence was used but need for automated siren was felt.
- HF/VHF sets with operator are required at DEOC.
- More training on emergency management is required.

#### **2. Staging Area:**

- A Loud Speaker system is required.
- More entry and exit points required.
- Complete profile of equipments held with various agencies needs to be listed.
- Provision for alternate power supply was required.

#### **3. Tezpur Govt. Girls & M.P School**

- Separate entry and exit points required.

- Provision for alternate power supply was required.
  - Continuous training to Teachers, Staff & students required.
- 4. Treasury Office Building**
- More Open Space required.
  - Provision for alternate power supply was required.
  - Emergency exit in office building required.
- 5. Kanaklata Civil Hospital**
- More Surge capacity needs to be developed.
  - Provision for alternate power supply was required.
  - More numbers of Quick Medical Response Team required.
- 6. Imperial Prem (Residential Area).**
- Equipments to cut through walls, doors needed to be displayed by response agencies.
  - Separate entry and exit points required.
  - Provision for alternate power supply was required.
- 7. Chowk Bazar (Market Area)**
- Need of more efficient crowd management and Traffic control.
  - Provision for alternate power supply was required.
  - Structural assessment of the buildings required.

**LESSON LEARNT AND SUGGESTIONS FROM DISTRICT:**

- Regular trainings to all stake holders regarding Disaster Management.
- Establishment of wireless communication at DEOC, Circle Office, District Hospital etc.
- Mechanism for efficient crowd management and traffic control.
- Advance training to response agencies personnel regarding Disaster Management.
- More Medical Aid Teams with equipments and ambulances.
- Engagement of more volunteers with the provision of honorarium.
- Selection of alternate building for functioning of Life Line Institutions.
- Provision for establishment of alternate power supply.
- Well equipped emergency vehicle for DDMA.

**PHOTOGRAPHS:** Enclosed.

**MEDIA COVERAGE:** Enclosed.



**Addl. Deputy Commissioner cum CEO**  
**DDMA, Sonitpur**



আমৰ ৯খন জিলাত একে সময়তে আয়োজন

# শোণিতপুৰত আজি ভূমিকম্প দুৰ্যোগৰ ওপৰত বহু বাজ্যিক ম'ক ড্ৰিল

শোণিতপুৰ জিলাত আজি ভূমিকম্প দুৰ্যোগৰ ওপৰত বহু বাজ্যিক ম'ক ড্ৰিল আয়োজন কৰা হৈছে। এই অনুষ্ঠানত জিলাৰ বিভিন্ন অঞ্চলত থকা বিভিন্ন বাজ্যিক ম'ক ড্ৰিল আয়োজন কৰা হৈছে।

ছফা ১৫ নিহতীয়া বাৰ্ডা তাৰিখ ১৩/১১/২০২২



ছফা ১৩

**নাগালান্দ দুৰ্যোগ বাৰত্বাপনা প্ৰাধিকৰণৰ ম'ক ড্ৰিল**

**ছাইবেনৰ শব্দত কঁপি উঠিল তেজপুৰ**

ছাইবেনৰ শব্দত কঁপি উঠিল তেজপুৰ জিলাত আজি ভূমিকম্প দুৰ্যোগৰ ওপৰত বহু বাজ্যিক ম'ক ড্ৰিল আয়োজন কৰা হৈছে। এই অনুষ্ঠানত জিলাৰ বিভিন্ন অঞ্চলত থকা বিভিন্ন বাজ্যিক ম'ক ড্ৰিল আয়োজন কৰা হৈছে।

Page -> 8 The Assam Tribune Date -> 17/11/2022 2022

STATIONS OFFICER of the 15<sup>th</sup> Nov/2022

**Multi-state mock drill on quake management today**

**CORRESPONDENT**

TEZPUR, Nov 16: A multi-state mock exercise on earthquake disaster management for Arunachal Pradesh, Nagaland and Assam will be held here on Thursday.

During the exercise to be conducted by the National Disaster Management Authority, key disaster managers will rehearse their roles and responsibilities with respect to possible emergency situations through simulated scenarios of an earthquake.

Sonipur is one of the nine districts of Assam selected for this exercise. Ahead of the mock drill, the members of the District Level Incident Response Team of the district took part in a tabletop exercise via videoconferencing on Tuesday.

In the tabletop exercise, the stakeholders presented their detailed response to each point-of-artificial simulation of disaster-related scenario. In continuation to this activity, the physical mock drill will be conducted simultaneously in the selected nine districts of Assam on Thursday.

As part of the mock drill, a probable scenario of an earthquake will be created at 9 am and an earthquake siren will alert the public and other stakeholders. All members of the IRT will have to switch to wireless modes of communication and the Incident Response Team of the district will assemble at the District Emergency Operation Centre (DEOC) at the DC office. A staging area will be activated at Church Field, Tezpur, which will be used to activate and deploy resources such as SDRF team/fire-responders/ambulances, etc, as per information received.

There will be five incident sites in Tezpur - Tezpur Govt Girls' HS & MPS School, Treasury Office, Imperial Prem residential building, Kanaklata Civil Hospital and Chewk Bazar - and teams will be deputed to each of these sites for rescue/evacuation, etc.

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SHOT ON OPPO

**PROGRAMMATIC REPORT  
OF  
MULTI STATE MOCK EXERCISE IN HAFLONG, DIMA-HASAO  
DISTRICTS**



**Conducted by  
Assam State Disaster Management Authority (ASDMA)  
and  
District Disaster Management Authority (DDMA), Dima-Hasao  
in collaboration with  
National Disaster Management Authority (NDMA)  
9<sup>th</sup>, 15<sup>th</sup> & 17<sup>th</sup> November, 2022**



## **1. BACKGROUND**

DDMA in collaboration with ASDMA & NDMA conducted “**MOCK EXERCISE ON EARTHQUAKE**” 8 districts of Assam and other two earthquake prone states of North East India namely Arunachal Pradesh & Nagaland as scheduled on 17 November 2022. The site for the Mock exercise was selected in 1 India Family Mart, DCs Office, Haflong Civil Hospital, Don Bosco School and Muolhoi village with necessary settings as per guidelines to accomplish all the tasks with all stakeholders assuming it as real-time disaster.

The entire exercise was carried out with coordination effort by the NDRF team ,32 Assam Rifle Battalion, Assam Police , Fire Service personnel, APRO and all the line departments like Medical ,PWD ,PHE, FCS & CA and Indian Red Cross Society. The mock drill was done accordingly from the staging area in Govt. Boys higher secondary school from where all the line departments involved rushed to designated affected areas after receiving the command from command center for rescue, recovery and first aid. After recovery the victims were sent to the nearest health centers and affected people to the temporary relief camps in Muolhoi.

During the exercise five nodal officers were deputed to assess the situation.

## **2. HAZARD PROFILE OF THE DISTRICT**

Dima Hasao is in particular a Zone V earthquake prone area and therefore its population as a whole requires the knowledge of the Do's and Don't's incase a high magnitude of earthquake occurs in the district. The district is also a very hilly terrain. Also, the vast population of the district are not well rehearsed on how to tackle/react incase of such kind of accident. Therefore the people as well as different line departments have to be made aware of their roles and responsibilities during the situation of a high magnitude earthquake. Dima Hasao is also very prone to Landslides.

## **3. OBJECTIVES OF THE MOCK EXERCISE**

The main objective of the Mock Exercise is to make people aware of their responsibilities during an incident of an earthquake. The multi state mock drill was initiated with an aim to evaluate the preparedness of the disaster management authority during occurrence of earthquake and to ensure that the response to any disaster is carried out in a well planned and coordinated manner between different line departments and agencies.

## **4. DETAIL OF THE MOCK EXERCISE CONDUCTED**

Five sites were selected for the mock exercise which are:-

- a. Don Bosco Higher Secondary School for School building.
- b. Deputy Commissioner's Office for Government Office Building
- c. 1 India Family Mart for Mall
- d. Moulhoi village as residential area.
- e. Haflong Civil Hospital for Medical Building

During the whole exercise Sattellite Phone was used to communicate with the state authorities.

**Staging Area:**

Government Boys Higher Secondary School was used for Staging area where all the vehicles and response team were stationed. IRT was activated as soon as the siren for the mock exercise was sounded.



**Don Bosco Higher Secondary School, Haflong:**

Fire & emergency Services, Haflong alongwith NDRF, Medical Team and Police personnel conducted Search & rescue operation at Don Bosco Higher Secondary School in which 2 casualty and 3 injured was staged. It took 34 minutes to complete the whole operation.



**Medical Aid Post DonBosco, Haflong:**



### **Deputy Commissioner Office, Haflong:**

Fire & emergency Services, Haflong alongwith NDRF, Medical Team and 32 Assam Rifles conducted Search & rescue operation at D.C. Office in which 1 casualty and 2 injured was staged. It took 15 minutes to complete the whole operation.

### **Temporary Incident Command Post Deputy Commissioner Office, Haflong:**



## **1 India Family Mart:**

Fire & emergency Services, Haflong alongwith Police personnel, Medical Team and 32 Assam Rifles conducted Search & rescue operation at 1 India Family Mart in which 3 injured was staged. It took 12 minutes to complete the whole operation.



**Muolhoi, Haflong:**

F.C.S & C.A alongwith, Police personnel, Medical Team and 32 Assam Rifles conducted Search & rescue operation at Moulhoi village in which 3 casualty and 7 injured was staged. It took 39 minutes to complete the whole operation.







## Haflong Civil Hospital:

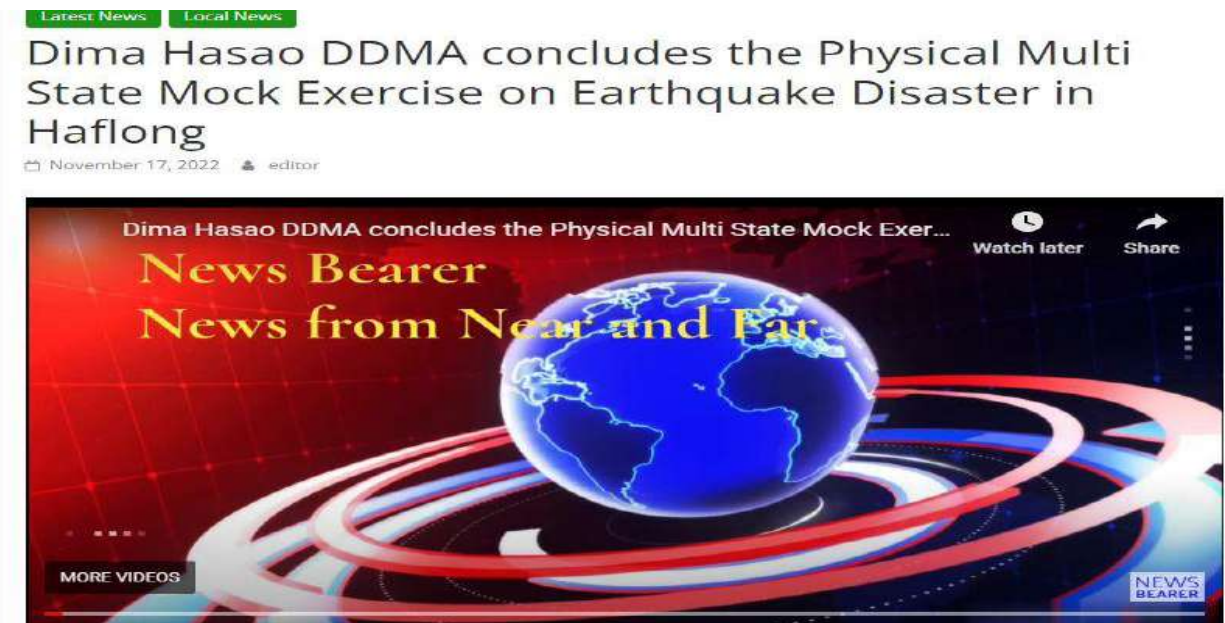
Fire & emergency Services, Haflong alongwith, IRCS, NDRF, Police personnel and Medical Team conducted Search & rescue operation at Haflong Civil Hospital in which 4 Major injured and 1 minor injured was staged. It took 38 minutes to complete the whole operation.



## LESSON LEARNT AND SUGGESTION

The mock exercise made us aware about the roles and responsibilities of different line departments during earthquake. It also helped in making the general public aware about the Dos and Donts during disasters. The exercise conducted was a very good programme and might be better if the general public were also involved in the exercise.

## NEWS CLIP OF THE EXERCISE CONDUCTED



### Contact for

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1. Bharat News Agency, near Winemart, near Taxi stand, Haflong. Contact : 8761814748.
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# HAFLONG NEWS

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## Mock Drill Exercise on Nov 17 at Haflong

Haflong, 17th November 2022 : A Multi State Mock Exercise on Earthquake Scenario will be conducted simultaneously in all Districts of Assam including Dima Hasao District on 17th Nov 2022 at 0900 hrs. onwards by Assam State Disaster Management Authority, Govt. of Assam under the guidance of NDMA, MHA Govt. of India.

This is stated in a circular for general information to all citizens of Dima Hasao District vide Memo No. DHD/DDMA/VC & Trag/2020-2021/Dated, Haflong 14th November 2022, that a Deputy Commissioner &

Chairman, District Disaster Management Authority, Dima Hasao, Haflong.

The DDMA/ IRS team Dima Hasao has selected (5) Five locations Viz :

- 1) Don Bosco Secondary School, Haflong,
- 2) DC's Office, Haflong,
- 3) Muolhoi village, Haflong,
- 4) Haflong Civil Hospital, Haflong
- 5) India Family Mart, Haflong as incident site for Mock Exercise.

The concerned authority, therefore, all citizens are advised not to panic, as this is only a Mock drill Exercise.

Haflong, 17th Nov, 2022: The mock Drill exercise was conducted on earthquake preparedness in collaboration with Natural Disaster Management Authority, National Disaster Response Force NDRF, Fire & Emergency Service, Medical Unit and other line department Haflong today along with the rest of the state in Assam.

The exercise was conducted under the guidance of Deputy Commissioner Nazreen



Ahmed DDMA, chief executive officer CEO Haflong. The aim of the mock drill exercise is to evaluate the preparedness of the disaster management authority during occurrence of earthquake. The mock drill also aimed to ensure that the response to any disaster is carried out in a well planned and coordinated manner between different line departments and agencies.

The mock drill exercise was conducted at different locations including Donbosco secondary school Haflong, DC office Haflong, Molhoi village Haflong, Haflong civil hospital Haflong, and India family mart Haflong.

At the staging area in Govt. boys higher secondary school, the NDRF taskforce performed several rescue operations.

## National Press Day 2022 observed at Haflong

Haflong, 17th November 2022: The National Press Day 2022 was observed with the theme "Role of Media in Nation Building" at Haflong on 16th November 2022 along with rest of India country.



The PCI was established on November 16, 1968 as watchdog to ensure free and responsible press in India.

The programme was attended by almost all the working journalists of

400<sup>th</sup> birth anni-