



Multi State Mega Mock Tsunami Exercise 2017 held Tsunami disaster scenario simulated to assess preparedness along the vulnerable eastern coastline

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The Ministry of Home Affairs through National Disaster Management Authority (NDMA) and the Indian National Centre for Ocean Information Services (INCOIS) today conducted a first-of-its-kind multi-State mega mock exercise on tsunami preparedness covering the entire eastern coastline of the country.

Simulation exercises were conducted simultaneously in 35 coastal districts across four States of West Bengal, Odisha, Andhra Pradesh & Tamil Nadu and Union Territory of Puducherry along the entire East Coast, to assess and improve the early warning and response mechanism to mitigate the impact of a high-intensity tsunami.

The NDMA experts, who led the exercises from the State Capitals, briefed the participants about the proceedings of the day. The exercise scenario depicted a high intensity earthquake near the Andaman and Nicobar Islands, at about 0930 hrs. Within moments, the Indian Tsunami Early Warning Centre (ITEWC), INCOIS, issued a massive tsunami threat notification for the eastern coast through e-mails, fax and SMSes. It also put out detailed bulletins on its website.

A two-hour reaction time was notified within which the entire State machinery needed to be mobilised so as to efficiently respond to the situation such that the impact of the tsunami is reduced.

In less than half an hour, the State Emergency Operation Centres (SEOCs) were activated. Besides mobilising the State machinery to respond, public warnings were sent out to the communities. Evacuation instructions were issued, rescue teams were formed under Incident Commanders and kept at standby in the Staging areas.

Evacuation drills were conducted in coordination with various agencies, such as Traffic control, Fire Fighting department, Ambulances, Police, Coast Guards, Civil Defense and community stakeholders.

Post the simulated landfall of the tsunami, damage assessment was carried out at the SEOCs on the basis of information received from affected districts and first-hand information by air sorties, both fixed wings and helicopters. This helped the administration in prioritising the response and dispatching the appropriate task forces to the affected sites.

Representatives from 11 Pacific Island countries observed the exercise for key lessons and best practices to be adopted while preparing for and responding to a disaster situation. Their participation was part of a training programme meant for enhancing their ability to improve the preparedness of their organisations to reduce disaster risks, especially for tsunamis.

After the drills, post-exercise analyses were carried out by NDMA representatives, in which all concerned officials took part. Detailed discussions were conducted on gaps and shortcomings, and ways to improve coordination among participating agencies and officials.

Initial reports and analyses suggest that the response of the State/UT machinery was effective and encouraging. A detailed analysis is underway which will help us further help improve our response to such disasters.

The exercise is one of the various activities planned on the occasion of the 2nd World Tsunami Awareness Day held on 5th November this year. It began with an orientation conference on 8th November, which was held to ensure the smooth facilitation of the exercise. This was followed by coordination conferences and table-top exercises at various SEOCs in which all the involved districts participated through videoconferencing.

Tsunami is a highly devastating natural hazard, and requires rapid response when it occurs as the reaction time is limited. The exercise is significant as India's eastern coast is susceptible to both cyclones and tsunamis. The region was one of the worst affected by the Indian Ocean tsunami of 2004. This exercise will go a long way in helping States/UTs in updating their resources, procedures and plans.

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