

# Emergency Situation Report

## Number 4

### Earthquake in North Sumatra Province and NAD Province, Indonesia

1 April 2005

This report is prepared by Emergency Humanitarian Action (EHA) Section, WHO, Indonesia.

Reference: Earthquake – North Sumatra Province and NAD Province, Indonesia – 29 March 2005 –

#### Reporting date

1 April 2005 (Friday) 16:00 hours UCT

#### Type of Emergency

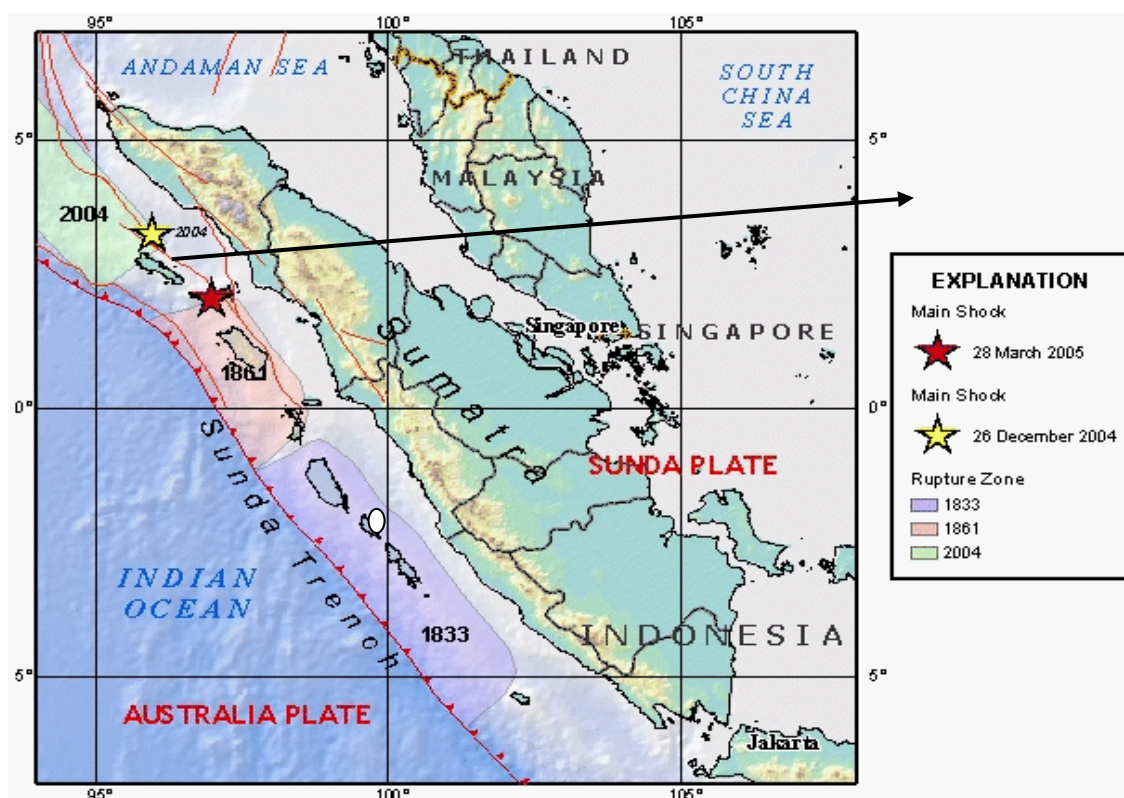
Earthquake.

#### Date and time of emergency incidence

28 March 2005 (Monday), 23:09:06 hrs.

#### History of the earth quake and place

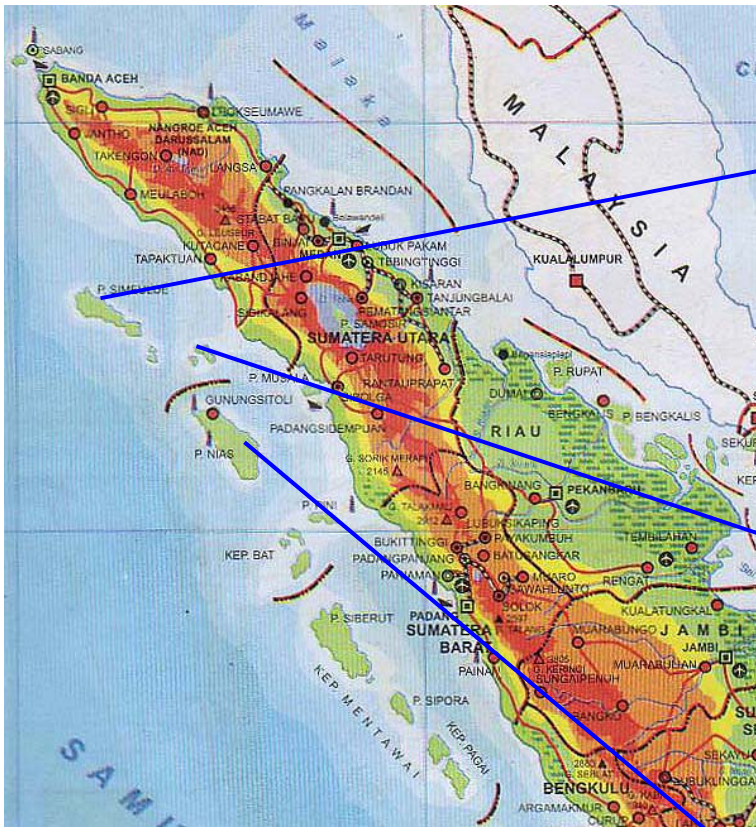
- A great earthquake was noted at 23:09:36 hrs, local time at epicenter, on Monday, March 28, 2005. The magnitude was 8.7 on the Richter scale and located in NORTHERN SUMATRA, INDONESIA. The epicenter was located 90 km south of Sinabang with 30 Km Depth 2.065 N 97.010 E
- Evidence emerges that earthquake generated significant tsunami. A US Geological Survey tsunami expert arriving on the scene yesterday said "a tsunami estimated at almost half the size of the one that struck on December 26 hit some areas along the north-west coast of Sumatra. We're getting reports of about four meters in certain areas."
- The earthquake was also felt in Thailand, Singapore, Malaysia and Cocos Island, Australia
- More than 700 aftershocks recorded on island of Nias, 48 aftershocks following the initial earthquake, a further 628 over the following two days and 51 in the first eight hours of Thursday.
- Multiple aftershocks measuring 6.0 or higher in the early hours after initial quake. Latest aftershock reported 5.8 in magnitude magnitude off of Indonesia's coast, recorded in Hong Kong at 07.29 GMT Thursday and was centered about 260 kilometers southwest of Medan city in western Sumatra island.



## Area affected

Major affected areas are the following:

1. Nias Island, Nias Province, Capital Gunung Sitoli, Gido, Gomo and Teluk Dalam (District Capital of South Nias)
2. Simeulue Island, NAD Province
3. Pulau Banyak, NAD Province
4. Singkil, NAD Province



## Population at risk

There are no definite estimates of the affected population hit by the earthquake.

## Affected population

### Simeulue

- 17 reported dead, there are 202 patients of whom 119 are trauma patients. 32 patients are hospitalized.
- Estimated additional 18,000 resident are homeless because of earthquake from initial 26,000 resident because of the tsunami.
- 80% structural damage outside the capital of Simeulue in areas visited by Care and SCF, the main hospital has been damaged and there is no clean water available.

- According to preliminary information received by WHO no one has been injured in the fire outbreak reported on 30 March 2005.
- There is no water supply available in the hospital.
- Tents are urgently needed to provide health services.

## *Nias*

### *Current situation*

- The TNI has put the official number of deaths at 1000 plus. The number of death reported by different agencies varies and information gathered from WHO staff in Nias reported 267 recovered bodies. The number of injured is ranging from 4,000 to 20,000, and 143 recovered bodies at the island's second town of Teluk Dalam and southern areas of the island.
- In Nias the majority of deaths and injuries were caused by collapsing concrete buildings in the center of the Gunung Sitoli town. Aerial survey indicates that there has been heavy damage and that up to 85% of buildings are destroyed.
- Government officials estimated yesterday that perhaps 70,000 residents in the earthquake-devastated city of Gunung Sitoli reported homeless.
- Medical evacuations continue to be conducted. Most patients were taken to Sibolga. Sibolga hospital has indicated that they have no capacity to admit more patients and that they will need to be diverted to Medan.
- Reports of the injured spread among in Gunung Sitoli Hospital, HOPE Indo, TNI, Singapore Army Medical Pos.
- With water supply lines damaged, drinking water is in short supply. Also there is no electricity, repair has been initiated. Meanwhile there is a need for generators.
- The road from the airport to the city is damaged or blocked and only passable by motor bike.
- The road to the central fuel station of the Pertamina state owned oil company is also damaged. Transport of supply from the airport to the city is difficult. Petrol in the city is in short supply, affecting health services and medical relief.
- The road to the southern part of Nias (Teluk Dalam) is damaged and is accessible only by helicopter. There is apparently more damage in south compared to north Nias.
- No report is available on the damage and casualties from the central part of Nias island.

### *Pulau Banyak*

- It is estimated that there are 3,000 IDPs on the islands.
- 1,500 residents reported homeless
- An Indonesian disaster official said a further 200 to 300 people were believed to have died on the isolated Banyak island group, just north of Nias.

### *Singkil, Aceh Province*

- It is estimated that there are 6,000 IDPs.
- 11 reported deaths and 9 injured.
- 16,500 residents reported homeless.
- A joint mission by the Provincial Health Office (Banda Aceh) and WHO is planned for Singkil.
- The road to Singkil is passable for 4WD cars only.
- Food, water and generators to supply electricity are the most needed items.
- The port is damaged but is passable for medium sized boats.

### **The Impact on Health Service and Health related facilities.**

1. Nias Island's hospital was structurally unsafe.
2. Nias' main hospital is barely functioning. It lacks power and water, and fuel supply for generators and vehicles is running low.

## **Central Government Support**

1. President Susilo Bambang Yudhoyono arrives at Gunung Sitoli, March 31 accompanied by wife and Minister of Social Affairs Bachtiar Chamsjah, president arrived at Binaka Airport in Nias aboard CASA aircraft at 10:50 a.m. then flew by helicopter to Pelita Kota soccer field.
2. President states 4 priorities for Nias: first was to evacuate and treat the injured and bury the bodies according to religious and environmental principles; second was to ensure the distribution of necessities; third, to maintain the supply of petrol and aviation fuel; and fourth, to repair the electricity network.
3. 1,000 Indonesian TNI soldiers and POLRI personnels had been deployed on Nias. Pasukan Rajawali (TNI) and Sea vessel Artanugraha have arrived.
4. Ministry of Health have sent medical teams to help re-establish Gunung Sitoli Hospital, Nias Southern Hospital and Sibolga Hospital consisting of 9 specialist surgeons, 3 orthopedic specialist, 5 anesthetic specialist, 7 obstetric specialists, 19 general doctors, 2 anesthetic assistant, 4 OK nurses, 15 nurses and 4 other health staff.
5. Central government has welcomed the support, both medical and logistical, provided by foreign military forces.

## **WHO / MOH response to the disaster**

- WHO is assisting the PHO to set up a health information center and a joint UN information center at the PosKo in the Military Airport and will facilitate the health coordination meeting.
- WHO has 6 staffs in Nias with 4 medical officers, one logistician, and one water sanitation expert. The team is currently working closely with the health PosKo in Gunung Sitoli and will facilitate the surveillance at the site soon.
- WHO has 10 Surgical Kit (34 boxes per kit) at the PosKo ready to be shipped to Nias.
- MOH, PHO and WHO team sent to Simeuleu bringing medicine and supplies for assessment.
- MOH and UNICEF have sent 15 trucks of supply to MOH warehouse in Sibolga.
- Bakornas is coordinating the relief efforts and has set up 7 cells of which health is one of the 7.
- Government has set a command post in Medan and Gunung Sitoli, to coordinate the emergency relief operation for Nias. The provincial office has also set up a special command post (PosKo) to coordinate emergency medical response for Nias.

## **WHO in Simeulue**

- WHO is coordinating the international relief efforts in the health sector
- WHO will send a Water and Sanitation expert to assist in providing water to the hospital and IDPs.
- WHO has already provided one Emergency Health Kit, more are available as per the needs.
- WFP is sending 100 metric tons of food to Simeulue.

## **Provincial and district response to the disaster**

1. Hundreds of Indonesian soldiers have been mobilized, but lack in rescue equipment
2. Hundreds of bodies have been evacuated from rubbles.
3. Drugs and health supplies for District Hospital in Sibolga.
4. North Sumatra PHO has sent drugs, water purification tools and 5 ambulance unit to Nias.
5. General Work Department has sent heavy tools and equipment to aid in evacuations from under rubbles.

## **Foreign support and response to the disaster**

- Foreign aid rescuers continue to pull bodies and survivors from under rubble.
- The Government of Singapore has sent a humanitarian assistance team to Nias island comprising 3 Chinook helicopters, a Singapore Armed Forces (SAF) medical team and a Singapore Civil Defence Force (SCDF), Disaster, Assistance and Rescue Team (DART). The 3 Chinook helicopters will support Indonesia's transportation needs and carry out medical evacuation in the disaster area. They will be joined by representatives from the Singapore Red Cross and Mercy Relief. The SAF will also deploy a C-130 transport plane to ferry additional personnel and relief supplies.

- SurfAid International continuing to search and aid villages not yet reached by outside help after, sending their first team of doctors, nurses and communications specialists to Gunung Sitoli on 29 March and three more medics on 30 March.
- Australia said it was flying in additional military medics and supplies after receiving initial reports from an advance team on Nias after having already increased emergency aid yesterday: 3<sup>rd</sup> RAAF plane, HMAS Kanimbla, 2 Sea King Helicopters, \$1 million for aid.
- Australia and AusAid coordinate aid through effective SurfAid teams.
- Russian Federal Government yesterday to send aid using IL-76 plane through Medan. Consisting of a team of 48 rescuers and medic, bringing transportable medical equipment.
- JICA (Japan international Cooperation Agency) sends rescue medic team of 11 personnels (doctors, nurses, and paramedics). Also supplies in form of food, drugs and medicine, tents, beds and sleeping bags, electricity generators, water purification tools and other daily tools.
- US Navy has sent 2 ships, USNS Mercy (hospital ship) and USNS Niagara Falls (supply ship), it is underway and should arrive in 3 days.
- Two C130s provided by the Australian Government containing 30 pallets of non food items plus medical supplies, tarps, water purification tablets and containers are expected to arrive within 24 hours.
- The Philippines Government will dispatch a 16-member medical team to the earthquake-affected area. The team will determine the health needs of the victims as well as ensure the supply of safe potable water, set up proper waste disposal and implement food safety measures.
- A number of NGOs will conduct an assessment soon.

### Immediate needs

1. Mobile medical service for affected victims, injuries and trauma care.
2. Shelter, water, food, including infant and supplementary food for children, clothes, blankets, sanitary measures and emergency lights.
3. Large heavy earth moving equipment.
4. Operational funding supports for health staff to be mobilized and provide health services to affected areas.
5. Special transportation services to reach affected areas and evacuate critically injured.
6. Satellite telecommunication support.
7. Infrastructure recovery including electricity and telecommunications

### Contact persons in Indonesia

The following persons can be contacted if more information is needed.

No	Name	Designation	Organization	Contact phone	Fax	E-mail Satellite Phone
1	Dr. Doti Indrasanto	Acting Head of Department	Center for Emergency preparedness and response (PPMK) MOH	0811173712	021-5271111	<a href="mailto:Crisis@Depkes.go.id">Crisis@Depkes.go.id</a>
2	Dr. Kyaw Win (Vijay Nath)	Medical Officer (Medan)	EHA, WHO	021-5204349 0811933821	021-5201164	<a href="mailto:wink@who.or.id">wink@who.or.id</a> 086811020053
3	Dr Anshu Banerjee	Field Operations Manager (Banda Aceh)	WHO	08121064878	+47-241- 37387	<a href="mailto:banerjeea@aceh.who.int">banerjeea@aceh.who.int</a>

## **Source of Information from Indonesia**

Information is gathered from the following sources and is not subjected for quotation as it might not reflect the actual true facts at the field level but can be used as references.

1. International and local news media
2. Bakornas bulletin
3. PPMK, MOH
4. WHO teams in Nias Island, Simeulue Island, Medan, Banda Aceh and Jakarta.
5. Partners in relief efforts