

One year later Post –Tsunami Revival and Effect in Myanmar

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Background History

- Myanmar felt an earthquake on 26 December 2004 at 7:32 am local time.
- Tsunami caused by earthquake at Sea west of North Sumatra on 26 December 2004 with magnitude of 9.0 Richter Scale jolted at the bottom of the Sea about 155 miles southeast of Banda Aceh in North Sumatra.
- The early survey report showed that some buildings in coastal areas were hit and destroyed by Tsunami wave with the height of three to seven feet.

Tsunami Affected areas in Myanmar

- Myaybon township and Kyaukpyu District in Rakhine State
- Pyinsalu subtownship , Labutta township and Kaingtaung village in Myaungmya District and Pyinkayaing Ngaputaw township , Pathein District in Ayeyarwaddy Division
- Palon-tonetone in Tanintharyi Division

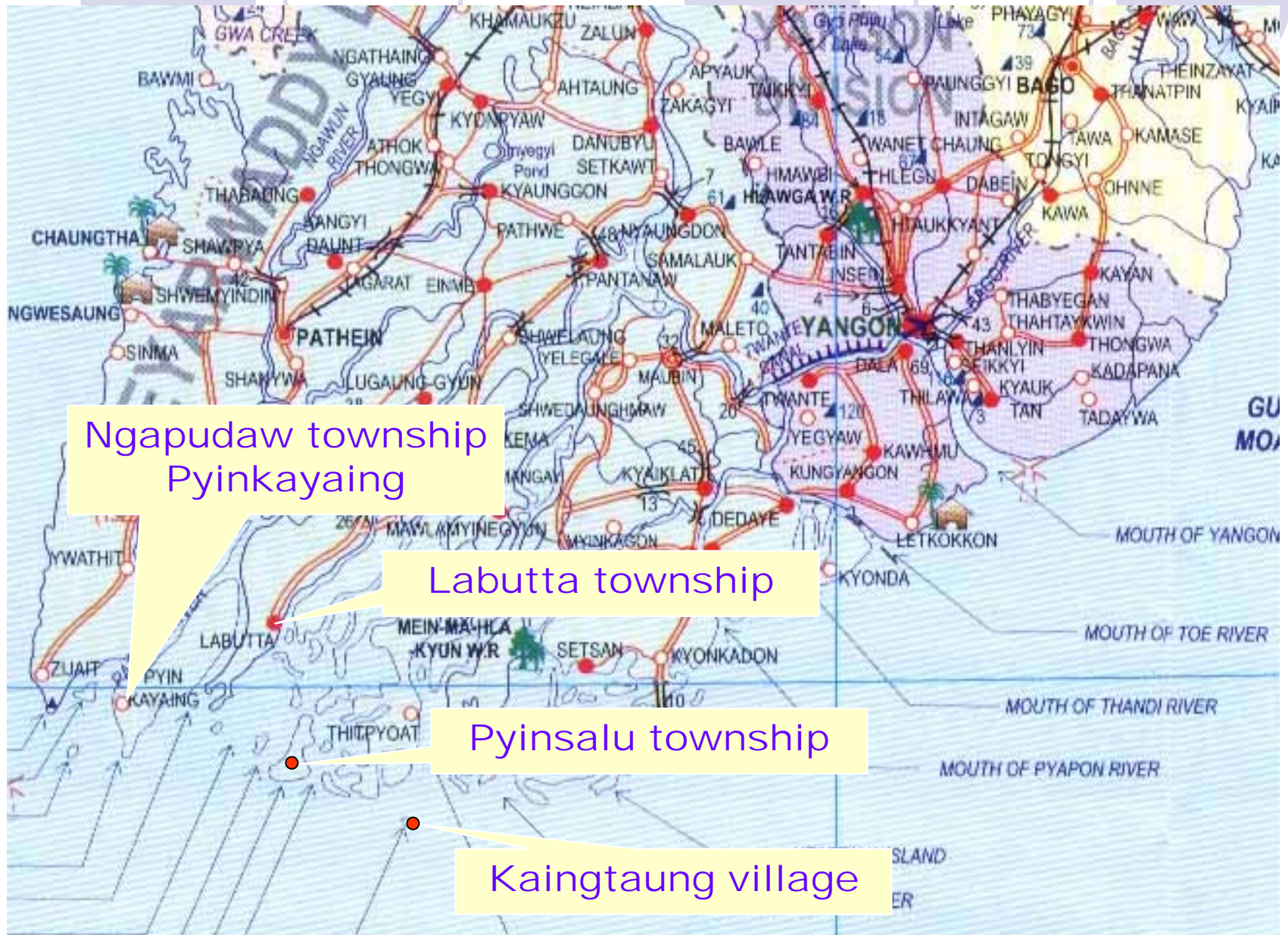
Tsunami affected areas in Myanmar



Rakhine State



Ayeyarwaddy Division



Tanintharyi Division



Assessment of the Tsunami affected areas at Pyinsalu sub-township



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Losses and casualties

State/Division	Dead	Injured	home destroyed	homeless
Ayeyawaddy	31	41	517	2145
Tanintharyi	8	1	83	447
Rakhine	22	-	-	-
Yangon	-	-	1	-
Total	61	42	601	2592

Total loss of properties valued at about 1585.56 million kyats.

What did happen in Myanmar during Tsunami ?

- Tsunami affected main areas in Myanmar are Pyinsalu sub-township ,Laputta Township, Myaung Mya District, in Ayeyarwaddy Division.
- The Tsunami affected area including two village tract and seven villages.
- (25) people were died and (289) homes were destroyed.
- (123) fishing boats were destroyed by Tsunami.
- The southern part of Myanmar , Tanintharyi Division, and western part of Myanmar, Rakhine State, some people were died, some homes were destroyed and some fishing boats were also destroyed.

Lessons learnt from Tsunami in Myanmar

- Because of Coco Island in Indian Ocean, belong to Myanmar, there is less chance for strong earthquake to occur.
- Myeik archipelago, southern part of Myanmar ,which situated at Andaman sea have natural barrier and Rakhine and Ayeyarwaddy have many mangroves which planted at the shore.
- The geological condition and shoal (shallow sea bottom off the coast) of Myanmar stretching 15 to 20 miles weakened the wave.



Constraints

- Less Mangroves in some affected areas.
- Buildings built on beach, which situated at the lower shallow sea.
- No early warning system at the fishing communities.
- No weather report at fishing villages which were difficult to be communicated.
- When the coastal areas occurred by natural disaster, there is no relief planning.

Conclusion

The following preventive action should be taken by the people living at the shore.

1. Mangroves should be conserved as a natural barrier to Tsunami as the harbour wave comes from the sea.
2. Buildings should be built off the shoaling space.
3. If built, buildings should be constructed in conformity with endurance norms for Tsunami.
4. Educative works should be carried out for those living at the shore.
5. Communication and transport facilities should be kept ready to move people and things to areas where Tsunami cannot hit.
6. Supply system of water, food and medicines for Tsunami refugees and security system should be set up.
7. Tsunami early warning system and moving towards safe areas should be rehearsed region-wise.
8. Projects for relief works for the dead and the wounded caused by Tsunami should be drawn up.
9. Relief measures for Tsunami-hit areas should be taken.
10. When Tsunami comes, vessels locating in offshore with the depth of 164 feet and within 21 miles away from the shore are not safe, those on board should leave the vessel and move to higher places inland.

A tropical beach scene with a line of palm trees on the left, a sandy beach in the middle, and a body of water in the foreground. The sky is blue with some light clouds. The text "THANK YOU" is overlaid in the center-right.

THANK YOU