LANDSLIDE GEOHAZARD SUSCEPTIBILITY MAPPING OF THAE PHYU GONE LANSLIDE, PAUNG TOWNSHIP, MON STATE Myint Soe¹, Zaw Win Lwin², Phyo Wai Win³, Yee Yee Win⁴, Theim Mwe Tun⁵, Hla Min⁶



- Every year monsoon hammers Myanmar and other countries across Southeast Asia, submerging homes, displacing residents and triggering landslides. The region was similarly inundated with monsoon rains last year as well. This year heavy flooding reached the roofs of houses and treetops in nearby towns. This season's deluge has tested disaster response after a fatal landslide on Friday in southeastern Mon state.
- According to figures from Myanmar's Department of Meteorology and Hydrology (DMH), in a 24 hour period of 09 August, 2019, the weather station at Mawlamyine in Mon State recorded 356 mm of rain, Mudon 335 mm and Kyaikkhami 286mm.
- ✤ Ma Latt hill collapsed at Thae Phyu Kon village, Paung Township, Mon State, southern Myanmar on August 9th, 2019 during heavy rains. The area was hit by a large landslide just after 8 a.m. Friday. Numerous residents told Frontier that though the region receives a significant amount of rainfall each monsoon, they have never experienced severe landslides.
- ★ The death toll from a landslide in Thae Phyu Gone village killed 72 and 47 injured patients according to local officials. The landslide buried and a deluge of mud engulfed 25 homes, a monastery, some vehicles, motorcycles. Authorities estimate more than 100 people were living in the area when the disaster struck. The road section on Yangon-Mawlamyine Highway was covered with soil about 2-ft high.
- Some local people said that there was earthquake that morning. The mountain was shaking at that time and the landslide took place with falling of earth in incessant rain and flood water. The rain and flood water seemed pulling down the boulders of the mountain too. And then all the houses, vehicles and people were buried under these boulders and massive earth.
- From August 10 to 12, Vice President U Henry Van Thio, who chairs the Natural Disaster Management Committee, visited flood and landslide-hit areas of Mon State and met some of those affected. The vice president said it was important to investigate the cause of the landslide at Malatt Mountain and to work with experts to identify prevention measures that can be undertaken in the future. Local Pyithu Hluttaw representative, said illegal excavation at the base of the mountain for the expansion of residential compounds had likely contributed to the disaster.
- Department of Geological Survey and Mineral Exploration (DGSE) dispatched a team of geologists to assess whether the area was at mountain risk of further landslides. The survey team conducted further investigation around the sites where the Thae Phyu Gone landslide and other 13 landslide areas using guide lines and techniques by Asian Disaster Preparedness Center (ADPC), The Institute for Global Environmental Strategies (IGES).

Red Shade Relief Image of The Paung Area, Mon State









1,2,3,4,5,

Department of Geological Survey and Mineral Exploration Department of Mines, Kayin State E-mail : myintsoedgse@gmail.com























