

## Preliminary Report on Earthquake of M:5.2 Occurred in Nicobar Islands on 6<sup>th</sup> April 2022

1. An Earthquake of M:5.2 occurred in Nicobar Island having epicenter at  $07.45^{\circ}$  N,  $94.27^{\circ}$  E and focal depth of 10 km at 10:59:45 IST on 06/04/2022. Epicentre is about 50 km North-East of Campbell Bay, Indonesia 495 km South-East of Port Blair and 650 km South-East of Diglipur and 250 Km North West of Banda Aceh, Indonesia. Location map of earthquake along with expected intensity is shown in Figure 1. The epicenter region lies in seismic zone-V as per seismic zoning map of India.
2. The area within 100km radius from the epicenter of today's earthquakes experienced 71 earthquakes of magnitude 5.0 and above during the past 20 years (2002-2022). The maximum magnitude of M:6.3 occurred on 21<sup>st</sup> March 2014 which was 32 km SW of today's event.
3. This earthquake occurred along a tectonic subduction zone in which the India oceanic Plate is being subducted beneath the Burma micro-plate. Felt report of intensity II on MMI Scale have been reported from the distance of around 90 km from the epicenter.

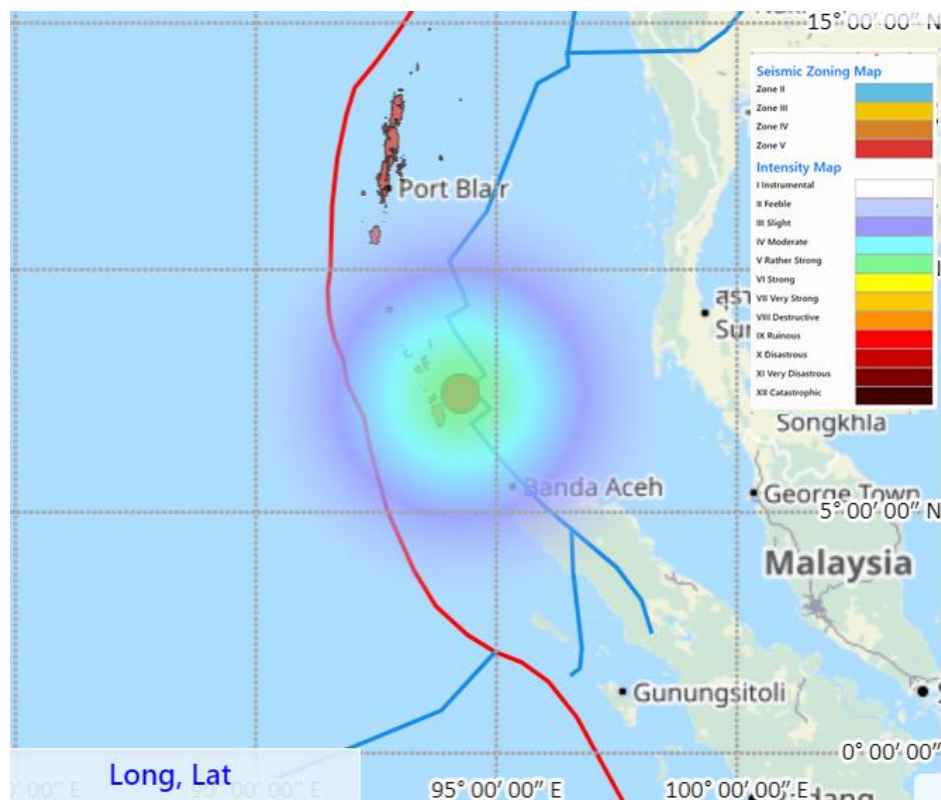


Figure 1: Location and expected intensity of earthquake occurred on 06<sup>th</sup> April 2022.