

## Earthquake Report on M 5.8, Andaman Islands occurred on 29<sup>th</sup> July, 2023

1. An earthquake of magnitude M 5.8 occurred at 00:53:47 IST (local time) in Andaman Islands, India with epicenter at 10.75° N and 93.47° E and focal depth of 69 km. The epicenter was about 127 km SE of Port Blair, capital city of Andaman, 284 km South of Diglipur and 418 km North of Campbell Bay. Andaman and Nicobar Islands lies in Zone-V as per seismic zoning map of India. The epicenter location and past seismicity of earthquake ( $M \geq 5.0$ ) in the Andaman & Nicobar region from 01<sup>st</sup> October, 2012 to 29<sup>th</sup> July, 2023 is shown in Figure 1.
2. The earthquake was well recorded by seismological network of National Center for Seismology (NCS), New Delhi. Expected intensity of this earthquake is assimilated by NCS, MoES as shown in Figure 2.
3. Felt report of maximum Intensity IV (MMI scale) and minimum intensity of II have been reported from around 0 to 2810 km from the epicentre respectively.
4. The earthquake is widely felt in Port Blair city and its neighboring states. It is also reportedly felt as far as Chandigarh, with intensities ranging from II to IV on Modified Mercalli Intensity (MMI) Scale.

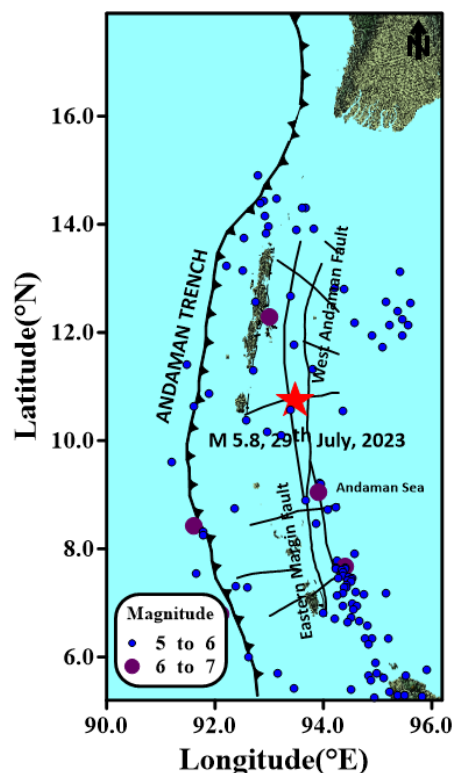


Figure 1: Map showing the location of earthquake of M 5.8 (Red Star) occurred on 29<sup>th</sup> July, 2023 at Andaman Islands, India. The continuous thick black lines are the major fault system in the epicentral region.

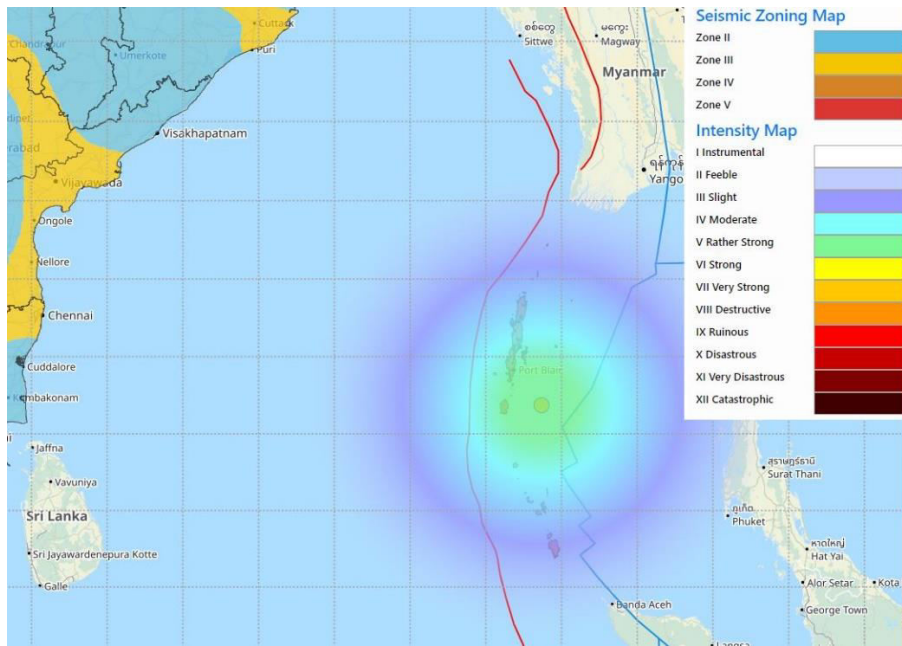


Figure 2: The intensity map of M 5.8 earthquake occurred on 29<sup>th</sup> July, 2023 at Andaman Islands, India.