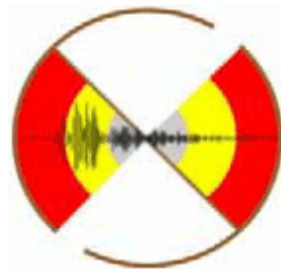




A Preliminary Report of June 16, 2026, China Earthquake (M: 6.3)

(Report No.: NCS-NSN-EPG-12)



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An earthquake of magnitude $M: 6.3$ occurred on 16 June 2026 at 14:36:56 IST, with its epicenter located at 37.833°N , 95.286°E , at a focal depth of 10 km. The epicenter lies approximately 1077 km N of Pangin, Arunachal Pradesh, 1152km N of Dibrugarh, Assam, and 1183km NNE of Tawang, Arunachal Pradesh, India (Figure 1).

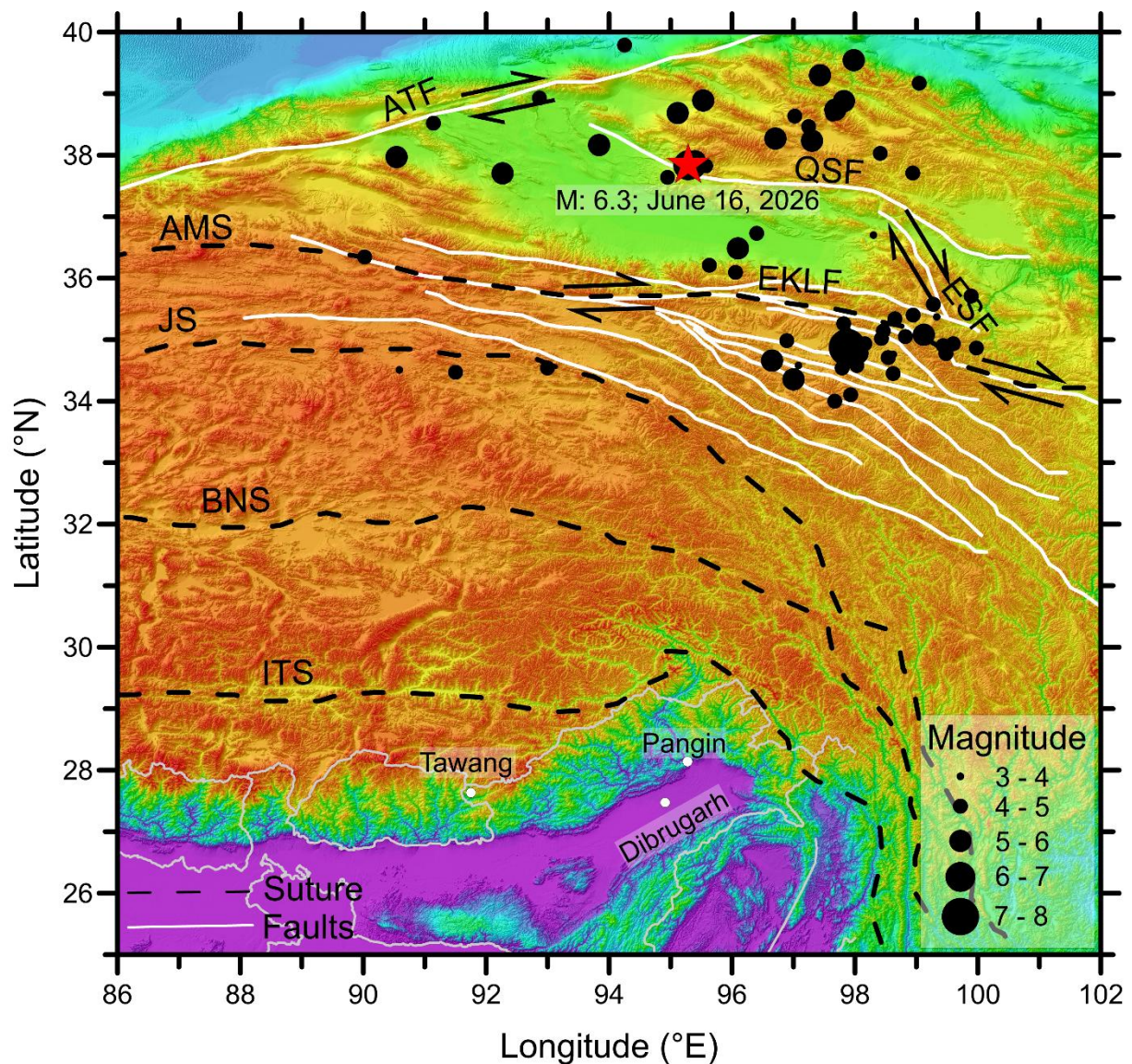


Figure 1: The China earthquake ($M: 6.3$) of 16th June 2026 (Red Star) and the past 5 years seismicity in the epicentral and surrounding region (source: www.seismo.gov.in; NCS-MoES). The geological faults (ATF, QSF, ESF, EKLF etc.) are the major faults in the epicentral region ([Huangfu et al. (2018); Wright et al. (2026); Zhao et al. (2010)]).

The epicentral region lies within the northeastern Tibetan Plateau, an area characterized by active crustal deformation resulting from the ongoing convergence between the Indian and Eurasian plates. The earthquake occurred at Qinghainanshan Fault (QSF) and in proximity to several major active fault systems, such as Elashan Fault (ESF), Altyn Tagh Fault (ATF) etc. of the plateau, including regional strike-slip and thrust faults associated with the Qilian Shan–Kunlun tectonic belt (kindly show the name in figure).. The event was followed by a sequence of aftershocks, including M 5.4, M 5.0, M 4.8, and M 4.3 earthquakes, indicating continued stress adjustment within the source region. Maximum shaking intensities of MMI VIII were likely confined to areas near the epicenter, decreasing to MMI II at greater distances from the source (**Figure 2**).

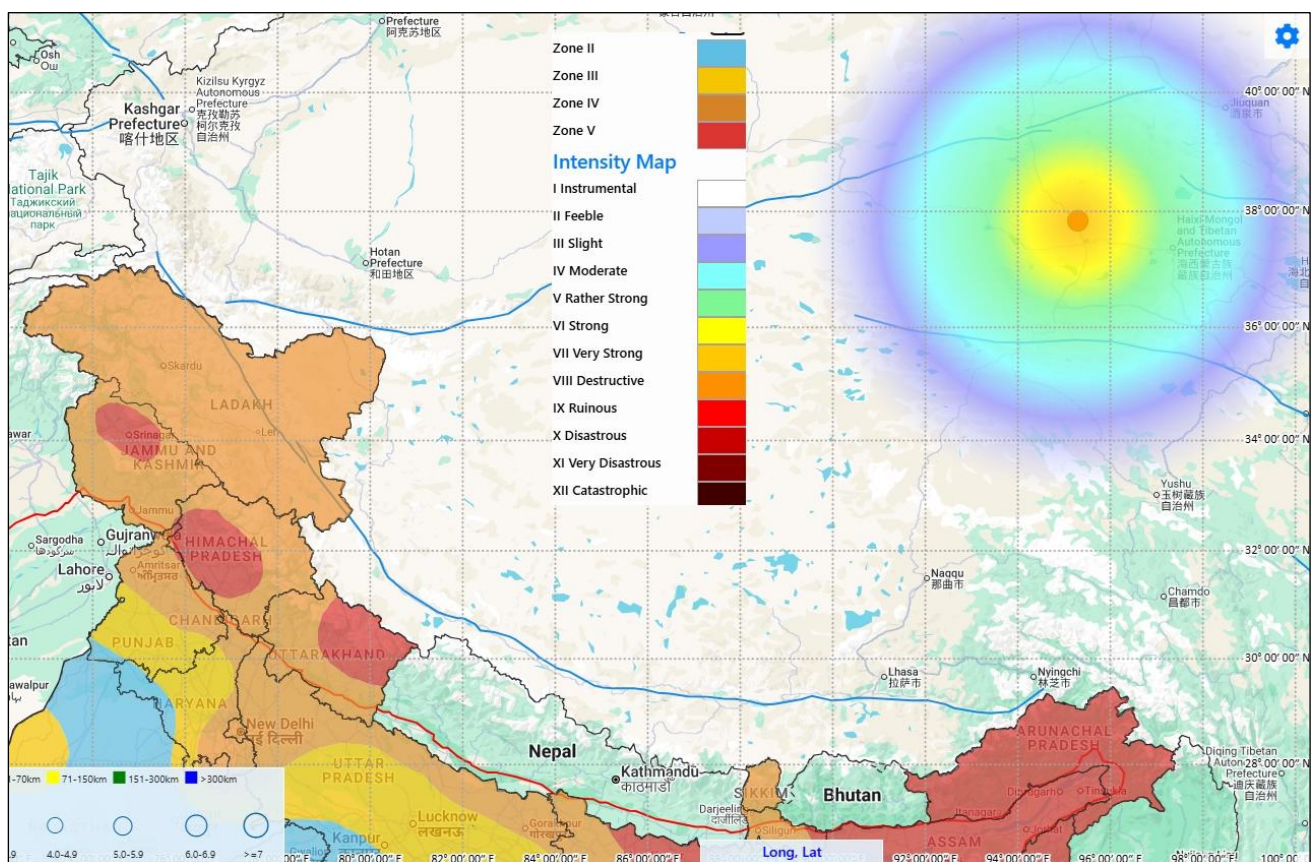


Figure 2: Estimated earthquake Intensity Map of the earthquake of M: 6.3 of 16th June 2026.