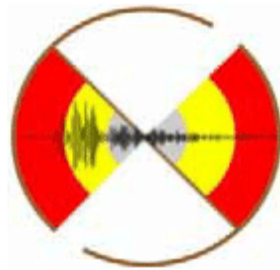




A Preliminary Report of July 09, 2026 Hingoli, Maharashtra Earthquake (M 4.6)

(Report No.: NCS-NSN-14)



**National Center for Seismology
Ministry of Earth Sciences, Government of India
Mausam Bhavan Complex, Lodi Road, New Delhi-110003**

An earthquake of magnitude M 4.6 occurred at 01:37:26 IST (09th July 2026) located in Hingoli, Maharashtra, with its epicenter at 19.518 °N, 77.215 °E and a focal depth of 10 km. The epicenter was about 132 km S of Akola, 143 km NW of Latur, 247 km NE of Solapur, 265 km SE of Nagpur, 275 km NW of Hyderabad, and 403 km NE of Karad, which lies in Zone II as per seismic zoning map of India (IS 1893 (Part 1): 2016). Three consecutive earthquakes were reported near the mainshock of magnitude 4.1, 3.9 and 3.6 within a period of three hours from the mainshock. The epicentre location (Figure 1), intensity distribution, and felt reports are shown in Figure 2 and Figure 3. The epicentre of the earthquake lies near the NW-SE Kinnerasari Godavari Fault (KGF), a major normal fault in the region. The preliminary fault plane solution derived from moment tensor inversion suggests that the earthquake is associated with a normal fault with a minor strike-slip component.

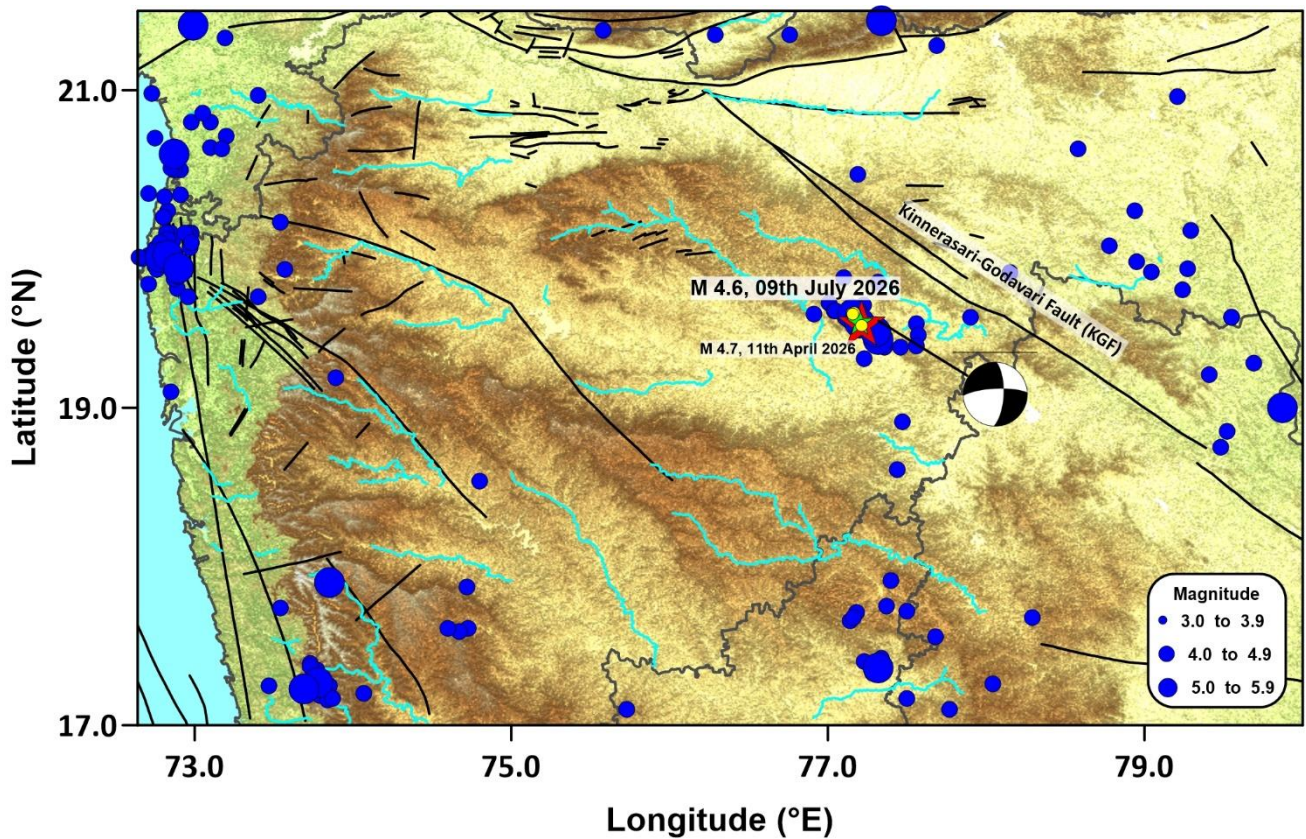


Figure 1: The present earthquake (M 4.6) of 09th July 2026 (Red Star; source: www.seismo.gov.in; NCS-MoES). Three consecutive events occurred within three hours of the mainshock is also shown as a Yellow colour. The recent past event occurred on 11th April 2026 is shown as star (Magenta). The geological faults and lineament were obtained from Bhukosh, GSI. The blue circles represent the past 5 years seismicity (2020 to 2026) occurred surrounding region of epicenter (Source: www.seismo.gov.in; NCS-MoES).

Felt reports of maximum Intensity IV (MMI scale) have been received from within approximately 5 km of the epicentre, while minimum Intensity II (MMI scale) has been reported from as far as 300 km from the epicentre. (Figure 2). More than 50 felt reports were received through the NCS website and BhooKamp mobile app (Figure 3). The PGA values recorded at different stations are given in Table 1. A preliminary ShakeMap generated from the observed PGA values is shown in Figure 4, which is consistent with the Felt Reports.

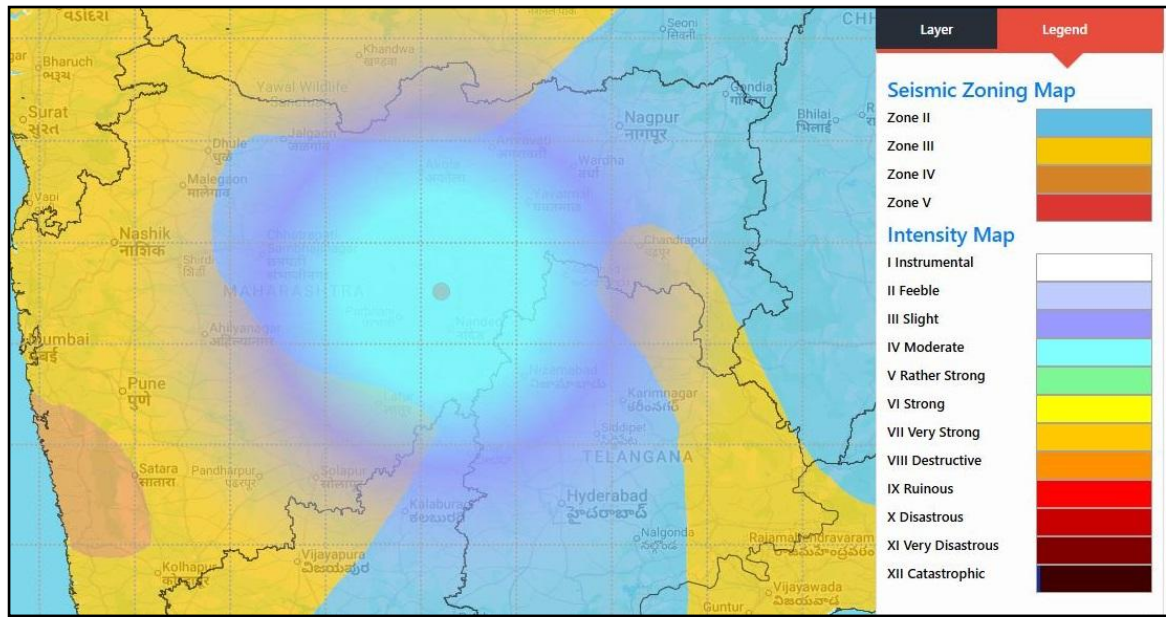


Figure 2: Earthquake intensity map of the 09th July 2026, earthquake with M 4.6, located at Hingoli, Maharashtra.

Table 1: PGA value of the 09th July 2026, earthquake with M 4.6 located at Hingoli, Maharashtra.

Station Name	Distance(km)	PGA (m/s ²)
Hingoli	20	0.04414
Akola	133	0.00981
Chhatrapati Sambhajinagar	192	0.01373
Kalburagi	251	0.02845
Nagpur	265	0.00098

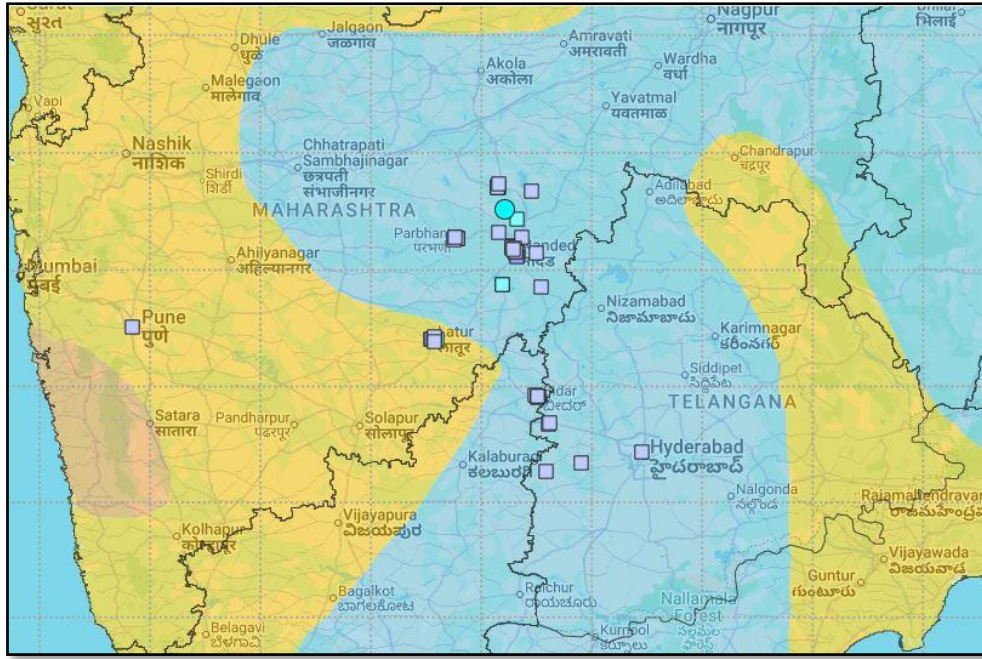


Figure 3: Felt responses (squares) of the 09th July 2026 earthquake with M 4.6 (blue circle) from different users reported on www.seismo.gov.in and BhooKamp mobile app.

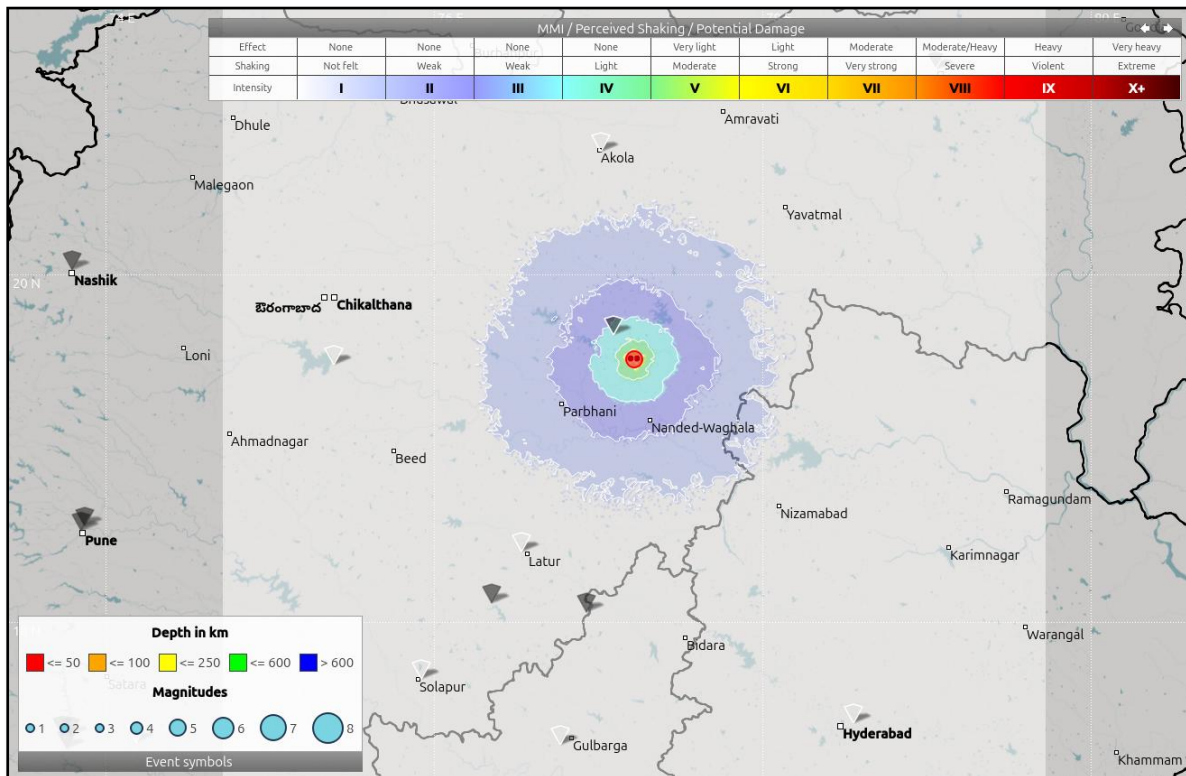


Figure 4. ShakeMap of the M 4.6 Hingoli, Maharashtra earthquake of 09th July 2026, generated from observed Peak Ground Acceleration (PGA) values, which is in good agreement with felt report as shown in Figure 3.