

Report on Real Time Earthquake Location

**From: Earthquake Monitoring Center (EMC) of NCS
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National Center for Seismology
Ministry of Earth Sciences
Government of India

Month: May 2026
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Report of Earthquakes occurred in the month of May 2026

1) Introduction:

National Center for Seismology maintains a National Seismological Network of **170 stations** each having state of art equipment and spreading all across the country (**Figure:1**). Using these stations during the period 01st – 31st May 2026 a total number of **448** earthquakes have been located

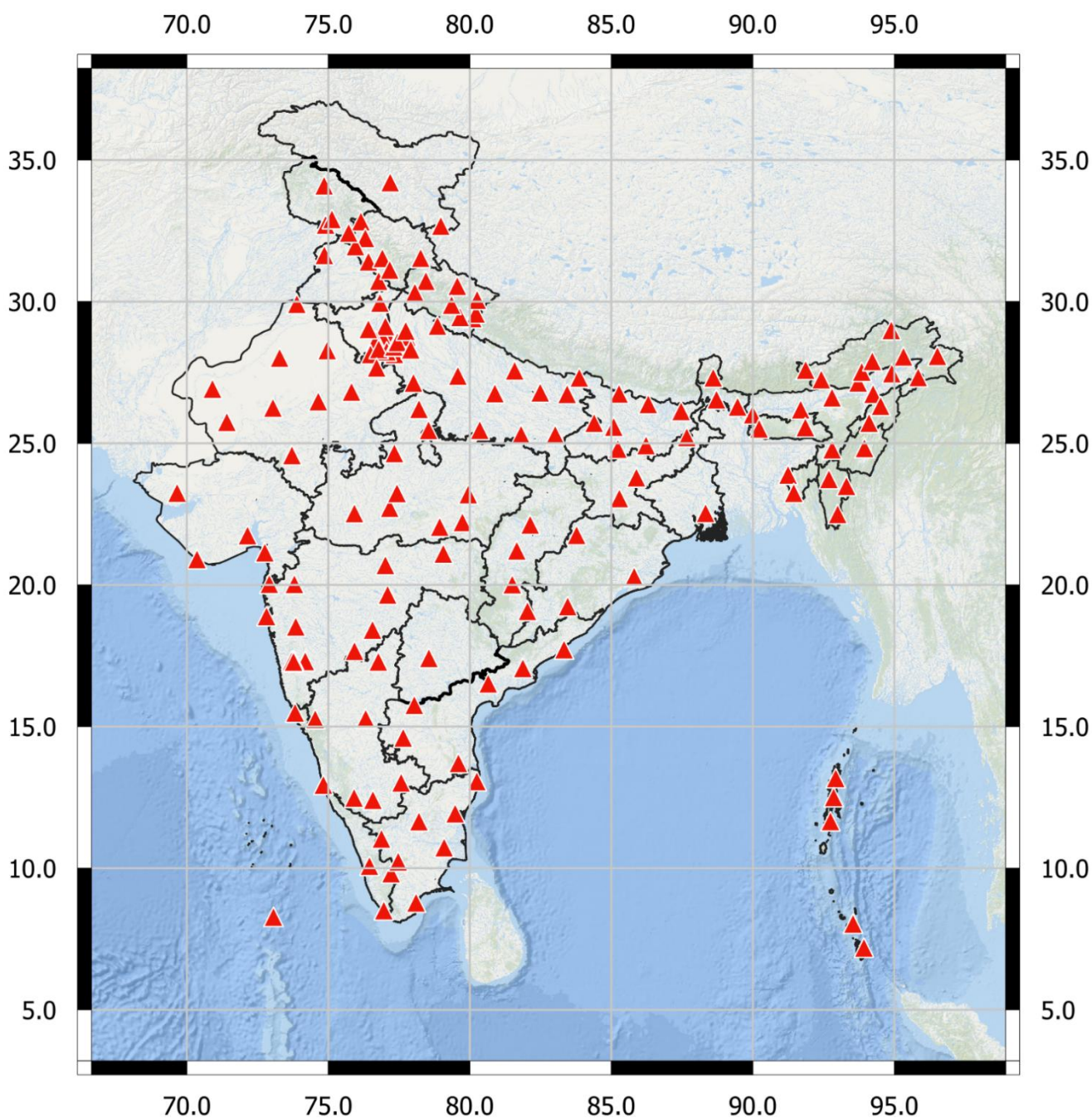


Figure 1: National Seismological Network (NSN) of 170 Stations

and disseminated from the center (**Figure:2**), out of which 277 earthquakes have occurred in India and its neighborhood region bounded by the coordinates 0° - 40°N & 60°-100°E (**Figure:3**).

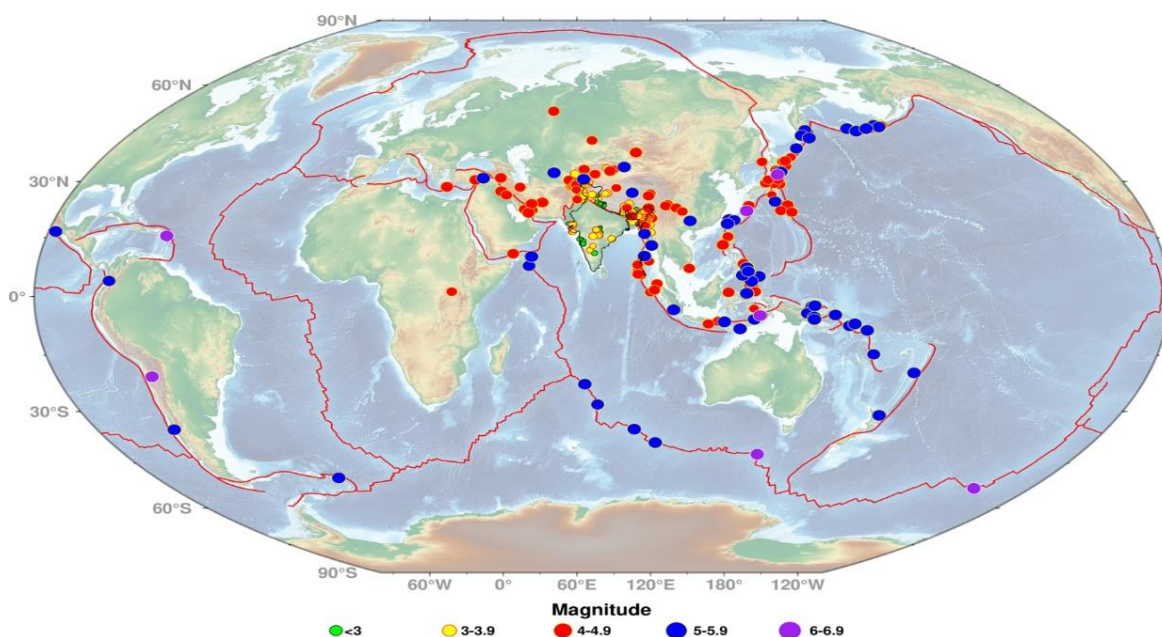


Figure 2: Earthquakes located and disseminated by NCS during 01st – 31st MAY 2026

2) Seismicity:

During the period, the majority of earthquakes within India and its neighbourhood region bounded by the coordinates 0-40°N & 60-100°E; were located in **North-East India** (Assam, Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, and Sikkim), **North India** (Himachal Pradesh, Uttarakhand, Ladakh, and Jammu-Kashmir), **Central India** (Madhya Pradesh), **Western India** (Gujarat and Maharashtra), Myanmar, Andaman, and Hindu Kush region as shown in **Figure 3**.

Two earthquakes of **M_≥4.0** were reported in North-East India region, **M:4.7** earthquake in Dibang Valley districts of Arunachal Pradesh, while a **M:4.5** earthquake was reported in Kokrajhar, Assam. In addition, several smaller magnitude earthquakes were reported in the **Northern** (Kangra, Chamba, Kinnaur in Himachal Pradesh; Muzaffarabad and Kishtwar in Jammu and Kashmir; Chamoli, Uttarkashi, and Pithoragarh in Uttarakhand; Leh and Ladakh); **Western** (Gir Somnath and Kachchh in Gujarat; Pune, Ratnagiri, Nagpur, Raigad, Satara, Yavatmal, Sangli, Hingoli, and Chandrapur in Maharashtra); **Eastern** (Jalpaiguri and Alipurduar in West Bengal); **Central** (Seoni and Betul in Madhya Pradesh); and **Southern** (Parvathipuram Manyam and Sri Sathyasai in Andhra Pradesh) part of the country. **Hundred and eight earthquakes** of smaller magnitude (**M < 3.0**) comprising **24%** of all earthquakes occurred during 01st to 31st May 2026. **Six earthquakes** of magnitude **M:5.0** and above occurred during the month in the region; as detailed in **Table:1**.

Table:1 Earthquakes of M>5.0 occurred during May 2026 within India and its neighbourhood

S.N.	Date (IST)	Time (IST)	Lat (°N)	Long (°E)	D (Km)	M	Region
1	2026-05-04	05:55:40	38.463	73.742	130	5.2	Tajikistan
2	2026-05-11	01:06:36	20.399	94.03	60	5.0	Myanmar
3	2026-05-17	21:16:16	13.163	93.779	82	5.3	Andaman Sea
4	2026-05-18	07:35:30	16.603	96.153	115	5.1	Myanmar
5	2026-05-22	22:46:30	33.779	90.52	152	5.0	China
6	2026-05-31	21:15:57	38.187	73.742	120	5.2	Tajikistan

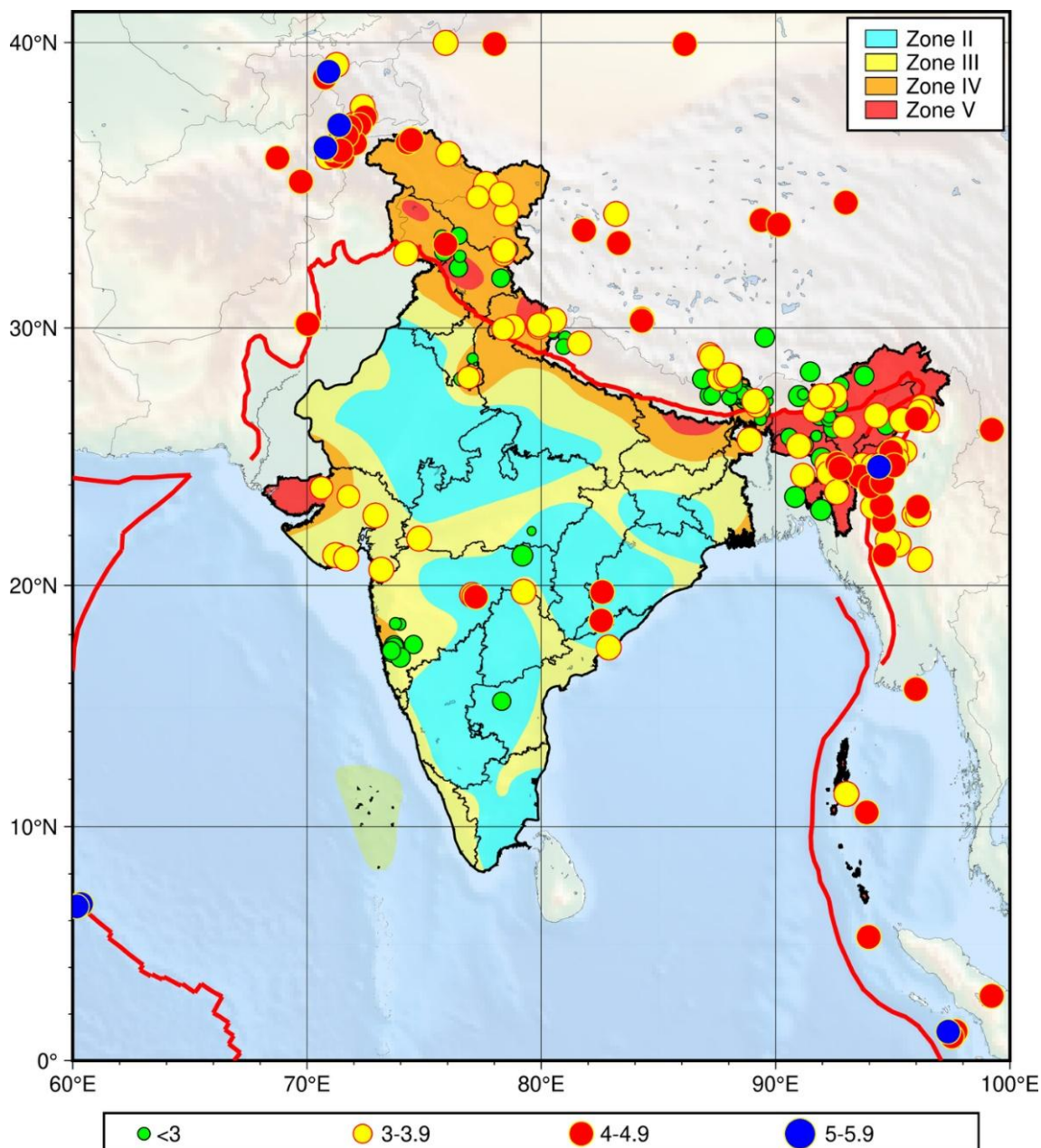


Figure 3: Map showing the seismicity during the period 01st – 31st MAY 2026 occurred in India and its neighbourhood region along with the seismic zone of India.

Out of total **448** earthquakes **31%**; **27%**; **24%** and **17%** earthquakes occurred within the magnitude range of **<3**, **3.0-3.9**, **4.0-4.9**, and **5.0-5.9**, respectively. **Seven** earthquakes in the magnitude range between **6.0–6.9** occurred during the period were outside the grid **0–40°N** and **60–100°E**, as shown in **Figures 2** and **4(a)**. The details of earthquakes occurred during the month is available at www.seismo.gov.in

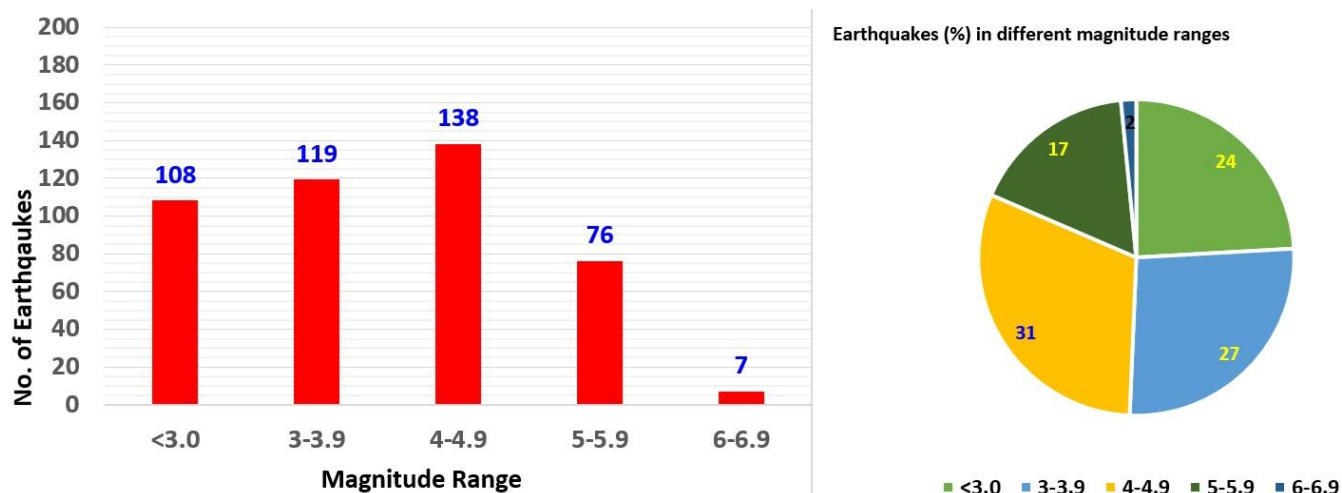


Figure 4 (a): Distribution of earthquakes in the different magnitude range during 01st – 31st MAY 2026.

There is **positive change** in the number of earthquakes were observed across most magnitude ranges, except for the range of **4.0-4.9**, **5.0-5.9**, and **7.0-7.9**. The change in earthquake occurrence for each magnitude range relative to the previous month (**April 2026**) is shown in **Figure 4(b)**.

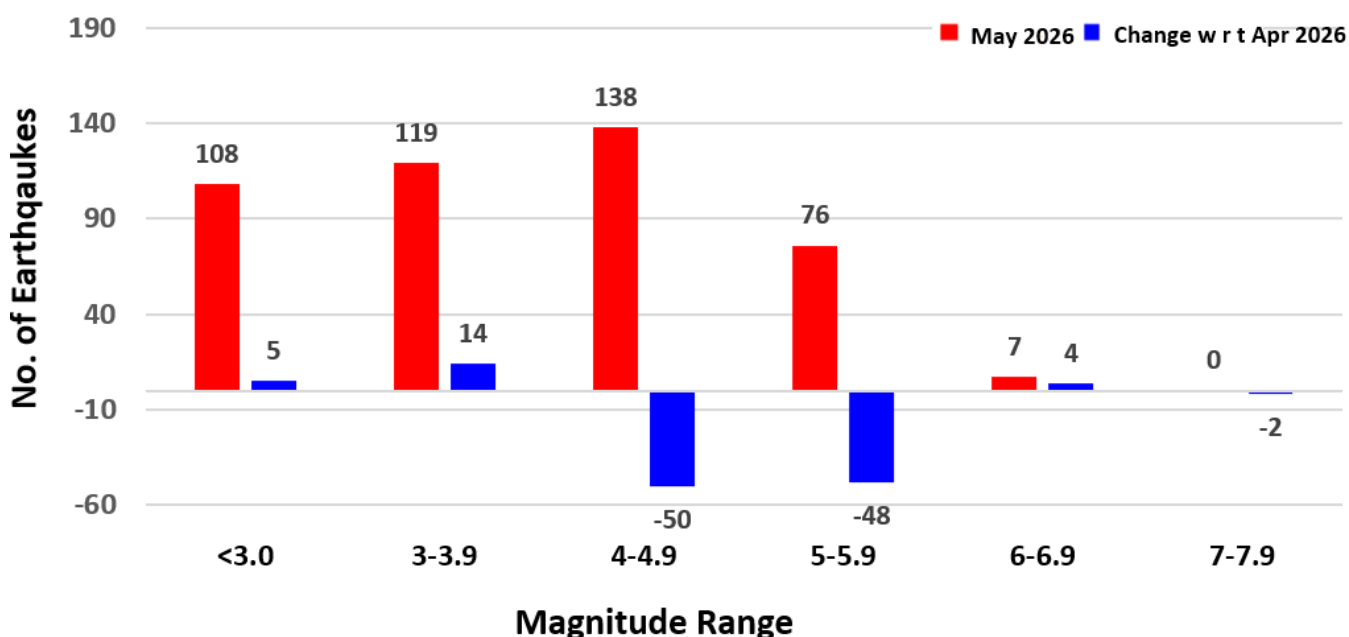


Figure 4 (b): Change of occurrence of earthquakes in different magnitude ranges w.r.t previous month.

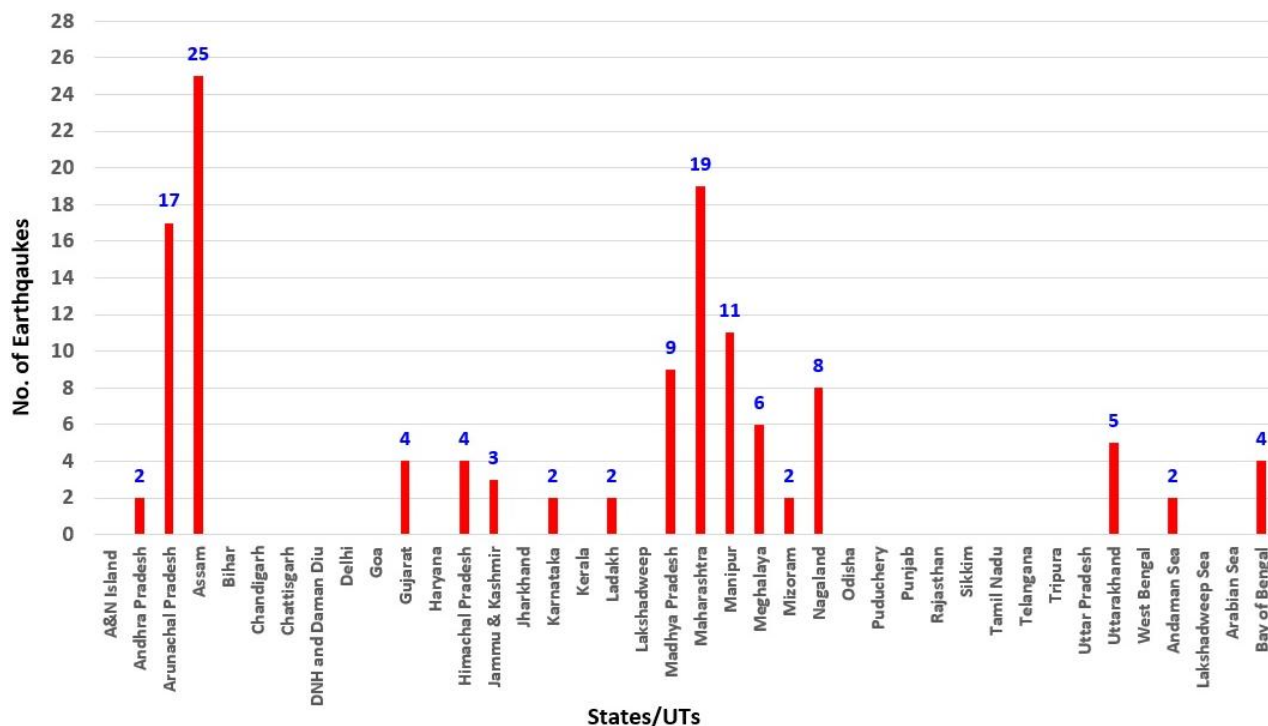


Figure 5: State wise distribution of earthquakes during the period 01st – 31st MAY 2026.

Total **125** earthquakes occurred within Indian territory; out of which **25** earthquakes occurred in Assam, **19** in Maharashtra, **17** in Arunachal Pradesh and **11** in Manipur during the period. Out of 125 earthquakes **14** and **69** earthquakes occurred in **North** and **North-East** region respectively. State/UT and region wise distribution of earthquakes occurred during 01st – 31st May 2026 is shown in **Figure 5** and **Figure 7** respectively. There was no activity in eastern part of the country during 01st – 31st May 2026 (**Figure 3** and **Figure 6**).

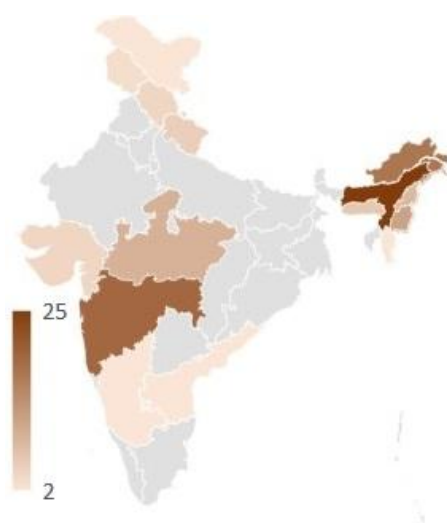


Figure: 6 Earthquake Density map

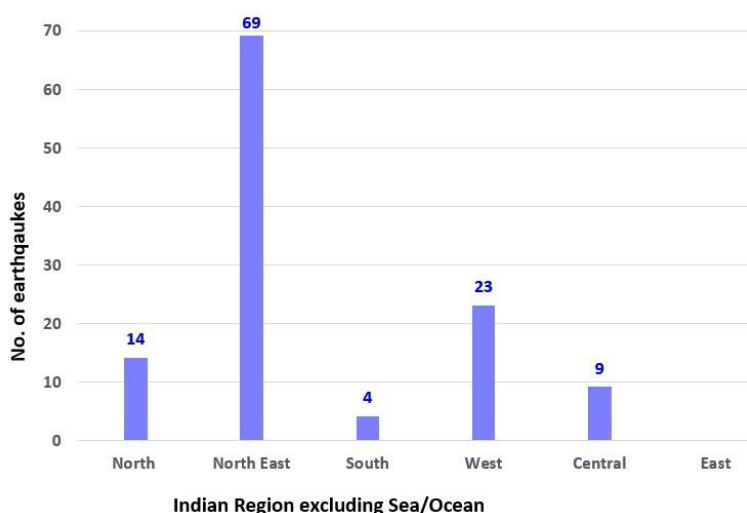


Figure: 7 Region wise distribution

3) Significant Activity:

Andaman Sea Earthquake: An Earthquake of Magnitude **M 5.3** occurred at **02:46:16 IST** on **17th May 2026** in the Andaman Sea at 13.163 °N and 93.779 °E, with a focal depth of 82 km. The epicenter was about 91 km E of Diglipur, 205 km NNE of Shrivijayapuram, 684 km N of Campbell Bay, 482 km SSW of Yangon(Myanmar) and 730 km W of Bangkok(Thailand). Andaman Sea region is part of the complex subduction zone where the Indian Plate subducts beneath the Burmese-Microplate, forming the Andaman-Nicobar trench system. The earthquake is associated with activity along the West Andaman Fault (WAF) and nearby seismo-volcanic lineaments that extend northward from Barren Island. **Figure 8** depicts the expected intensity of this earthquake around the source zone. <https://riseq.seismo.gov.in/riseq/earthquake/event/RmpvRjN4dk1NTVBmRWg1c2UreWFkdz09/Reviewed> URL may be visited for more detail about this event.

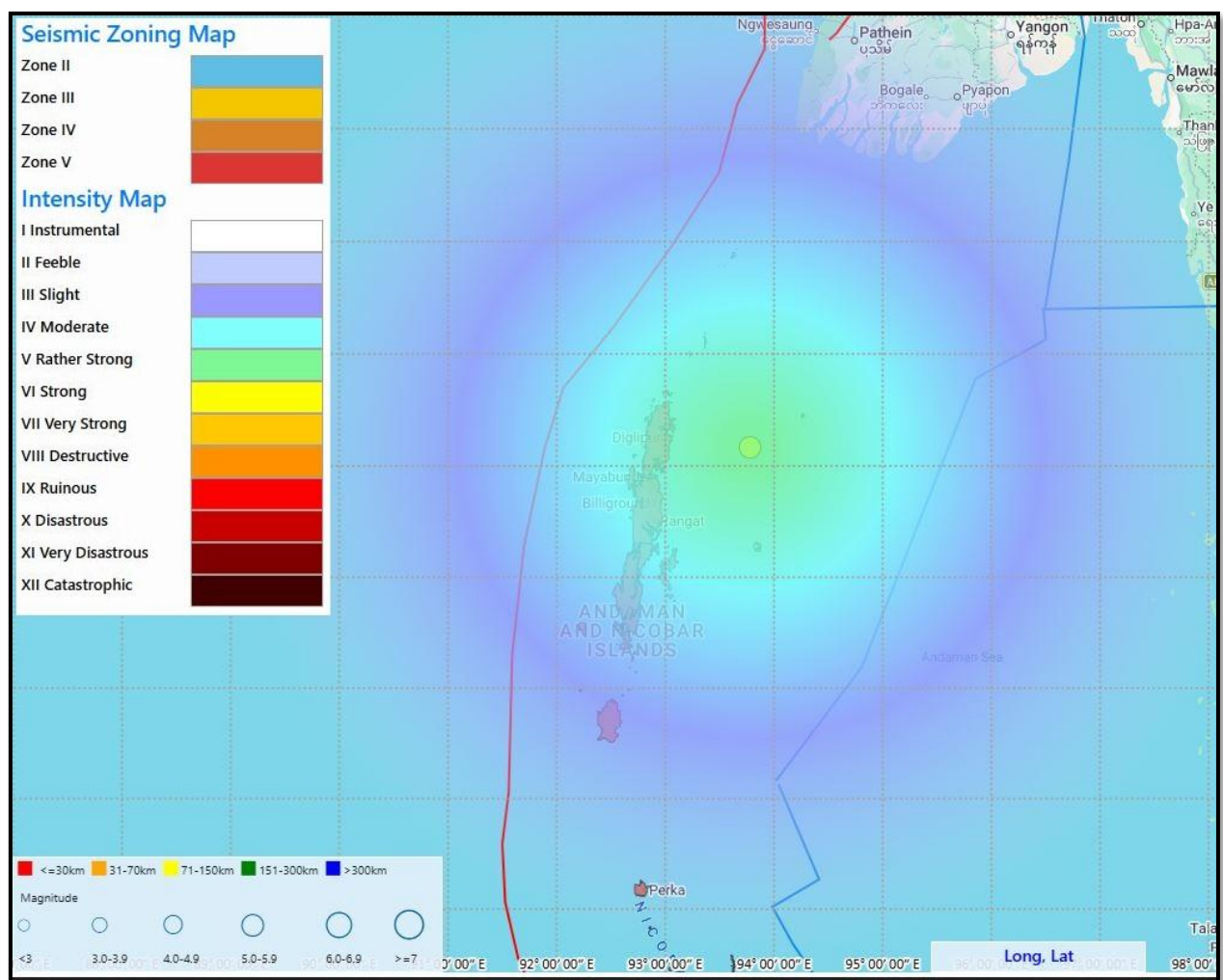
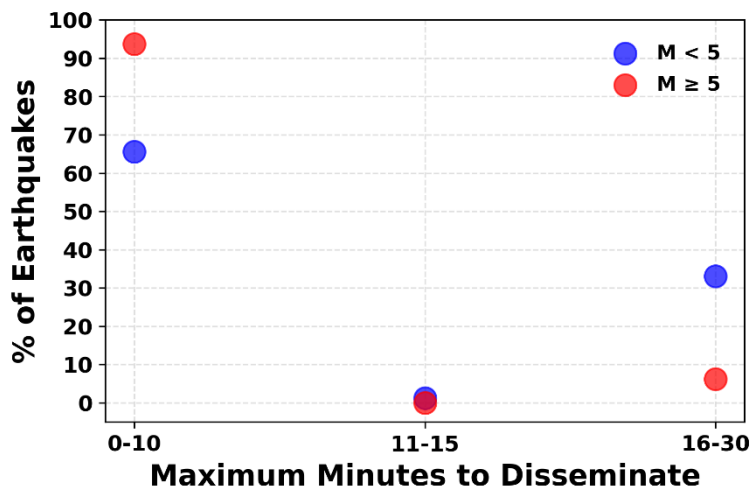


Figure 8: Intensity map of earthquake of M:5.3 occurred on 17th MAY 2026 in Andaman Sea.

4) Dissemination Performance:



More than **65%** earthquakes of $M < 5.0$ and **95%** earthquakes of $M \geq 5.0$ occurred within India and its neighbourhood region bounded by the coordinates $0-40^\circ\text{N}$ & $60-100^\circ\text{E}$ were disseminated within **10 minutes** as shown in **Figure 9**.

Figure 9: Dissemination of earthquakes within different time ranges during 01^{st} – 31^{st} MAY 2026.