

A note on earthquake of magnitude 3.3 M_L of 21st August, 2018 near Himayatnagar, Nanded, Maharashtra

A minor earthquake of magnitude 3.3 M_L occurred at a depth of 20.0 km (fixed depth) near Himayatnagar, Nanded, Maharashtra on 21st August, 2018 at 20hrs 55min 6.7sec.(UTC) and 22nd August, 2018 at 02hrs 25min 6.7sec (IST). The epicentre of the earthquake has been located at Latitude 19.464⁰N and Longitude 77.936⁰E using data recorded at Seismo-geodetic observatory of GSI located at Nagpur. The epicentre of the earthquake is shown on the map (Fig.1). The waveform of the event with location parameters are presented in Fig. 2 (a & b) respectively.

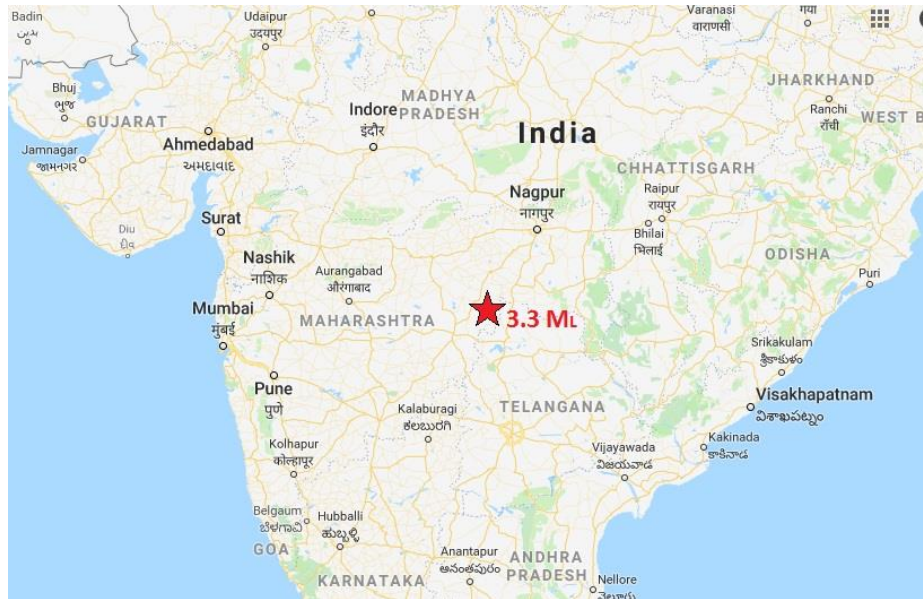


Fig1.The star shows the location of the epicentre of the earthquake.

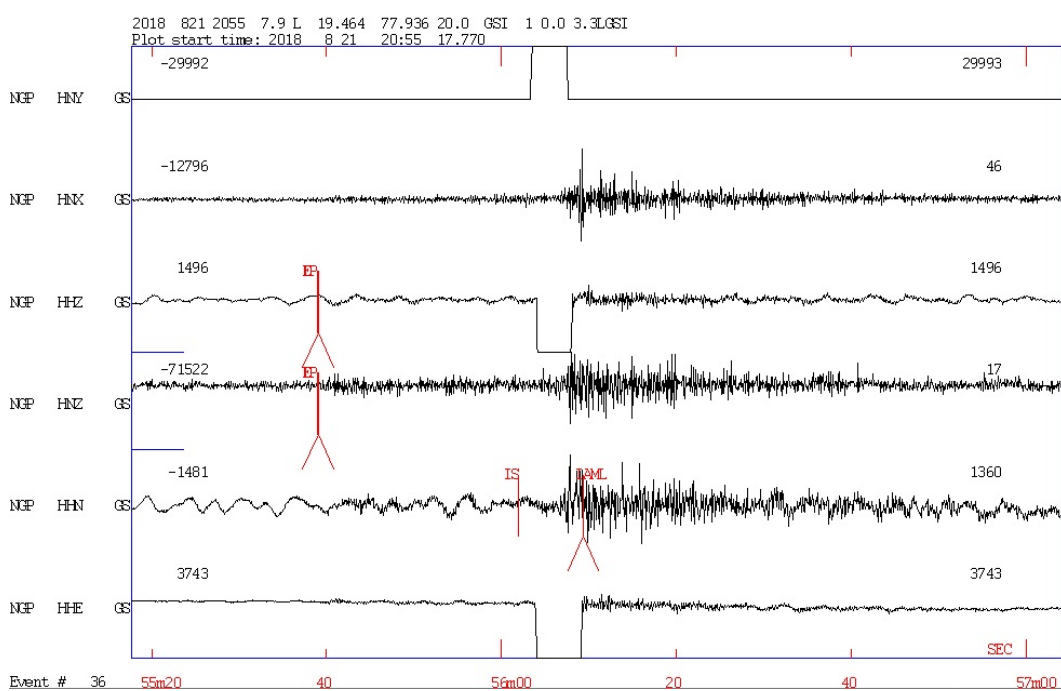


Fig. 2(a) Waveform of the earthquake.

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date hrmn sec lat long depth no m rms damp erln erlt erdp
18 821 2055 7.86 1927.82N 77 56.2E 20.0 3 2 0.00 0.000 5.8 4.9 0.0
stn dist azm ain w phas calcphs hrmn tsec t-obs t-cal res wt di
NGP 222 31.5 55.1 0 P PN4 2055 39.0 31.12 31.12 0.00 1.00 25
NGP 222 31.5 55.1 0 S SN4 2056 2.0 54.14 54.15 -0.00 1.00 25
NGP 222 31.5 AZ 211.9 211.9 0.00 0.20 50
NGP 222 31.5 0 2055 39.0 31.2
NGP 222 31.5 0 IAML 2056 9.4 61.5

NGP HN hdist: 222.9 amp: 486.5 T: 0.1 ml = 3.3
2018 821 2055 7.9 L 19.464 77.936 20.0 GSI 1 0.0 3.3L GSI

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Fig. 2(b) Location parameters of the earthquake.

SGDRPC, M-IV, CHQ, GSI, KOLKATA