

Deep crustal structure of the Son–Narmada–Tapti Lineament, Central India

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Abstrak

The present thesis describes significant new insight into the seismotectonics of this Central India tectonic zone, based on thorough magnetotelluric studies. The main objectives of the present study are: (i) to delineate subtrappean sediments across the NSL region along four different traverses, (ii) to understand the characterization of geo-electrical structure of the crust and examine the nature of geo-electrical signatures of the known faults, (iii) to integrate the results with other geophysical data such as seismicity, gravity and heat flow, in order to understand the tectonic scenario of the region.