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Dyke Map Of Indian Cratons

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India has four Archean Cratons i.e. Bundelkhand, Bastar, Dharwar and Singhbhum. These four Cratons have a dense network of Archean to Proterozoic dykes cutting across the Archean crust. The systematic Geochronology and Paleomagnetic study of these dykes have given very crucial information in recent years. A detailed dyke map of above mentioned four Cratons with the published Geochronology can be very useful contribution to present the current status of study. Here we are presenting the detailed dyke map of Bundelkhand, Bastar, Dharwar and Singhbhum Cratons. The focus of this work is to present the status of Geochronology study on the Dykes of Indian Cratons. The approach attempted here is very simple in

preparation of these maps. First we have selected the most reliable published map of the area. Then we use this map as the base map for tracing the dykes. The dykes of each Cratons have been traced using the Google Earth Images, and Satellite Images from Bhuvan portal (bhuvan.nrsc.gov.in/). All the work is done using the free access GIS application, Q-GIS software. The Geochronology data mentioned for dykes in presented maps are taken from published work which is also referred. We hope that this work will attract the attention of world community to fill the gaps in present status of Geochronology study of Indian Dykes.

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