

Anomalous platinum content in U-Mo-Cu bearing albitised metasediments of Ajabgarh group in Jahaz area, Rajasthan

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In the present study, we report elevated concentrations of platinum (Pt) from the Jahaz area in the metasediments of the Ajabgarh group rocks of the Delhi supergroup within the Khetri sub-basin, India. In general, the platinum group elements (PGE) are known to occur in mafic and ultramafic complexes, whereas in the study area, they are hosted by metasediments in association with U-Cu-Mo within the shear zone. PGE, being a critical mineral, has significant occurrences in the Jahaz area, warranting detailed exploration for polymetallic mineralisation in Jahaz and nearby areas.

Keywords: Khetri sub-basin, metasediments, North Delhi Fold Belt, platinum, uranium