

PGE/PGM s Exploration in Peninsular India – A Review

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Till date in India there are no working Platinum producing mines neither as a main product or by product from Ni-Cu base metal deposit or gold deposit . But ample potential for huge reserves of PGE are hosted in viable geological environments of Precambrian shield (~ 2.7 Ga) with chromitites. The geological environments have to be relooked with a broader perspective and with a multidisciplinary approach. In this paper the preliminary investigations carried on platinum exploration in different parts in India are discussed. Amongst the investigated areas, for Platinum group minerals (PGM) three areas have been selected for future exploration targets. The areas include (Sittampundi, south India, Baula-Nuashai, Orissa and mafic-ultramafic rocks Holenarsipur-Nuggihalli schist belt from Karnataka state) which contain presumably large concentrations of platinum group minerals or platinum group elements and gold, associated with chromitite rocks (10- 700 ppb) total PGMS which will be discussed at length. It is envisaged that still, there is a huge scope for platinum occurrences in placers and coal deposits which has never been attempted.