

Bhursipakri Bauxite Project

The exploration work in Bhursipakri block was carried out by CMDC for bauxite under category G-1 and G-2 levels as per the minerals (Evidence of Mineral Contents) Rule 2015. The prospecting work has been completed on 21st January 2018.

Location :-

The Bhursipakri block is located in and around village Bhursipakri, Tahsil – Bodla, District – Kabirdham and fall in Toposheet No. 64F/3. It is bounded between Latitudes 22°25'18.938"N to 22°26'3.200"N and Longitudes 81°9'28.973"E to 81°9'8.674"E. The area is approachable through the tar road from the district headquarter kawardha which is about 75km via Bodla and Taregaon village. The bauxite block over 83.418 Ha area is in village Bhursipikri, Tahsil – Bodla and District – Kabirdham.

Geology of the area:

The Bhursipakri Block is part of Bodai – Daldali plateau which forms the central part of Maikal range containing laterite/ bauxite capping over Deccan lava flows. Most of the area is covered by laterite/ lateritic soil having flat topography with minor undulation. The general height of the Block is 928 mRL with steep sloping all around. The maximum contour level is 933 mRL near the southern boundary and minimum is 915 mRL near the boundary of the area. The plateau is trending N-S having irregular margin and bounded by steep escarpments. It is about 1.6 km long N-S linear plateau with width varying from 0.3 to 1.1 km.

The area extends over mainly the village Bhursipakri, almost the area is occupied by agricultural land. Density of trees on the plateau is very low while on the slopes are thick vegetated. No perennial nala is flowing in or nearby the lease area strams of the plateau of the area is of dendritic pattern.

The area constitutes central part of the extensive laterite-capped of the Maikal Range. In plains to the northern part of the area around Mawai and Kathaitola, gneissose and schistose rocks from the core of the range, whereas round Kathaitola and Taregaon in the southern, phyllites, slates and quartzites belonging to Chilphi group are exposed. In the lower part of plateau, narrow patches of Lametas. Represented by calcareous gritty sandstones and pink & white clays are seen in the Kanai river section at Kukri. These are overlain by horizontally disposed basaltic lawa flow of Deccan trap. Good exposures noticed along the Kukrapani Daldali ghat section. The traps are capped by, about 20-25 m laterite bauxite normally found within upper part of laterite capping.

The laterite and bauxite are weathering products of Deccan traps (Upper Cretaceous to Paleocene) developed as a result of intense, substrata alteration under tropical and sub-tropical climatic condition.

Block status:

exploration agency name-	joint venture of m/s MAPP drilling & exploration pvt ltd Hyderabad and m/s Geosolution (p)ltd, Bhilai.
Exploration status -	G1 & G2 Level
Total area -	83.418 ha
Total meterage -	3438.30m
Total resources -	3.454 MT