

Mukam bauxite project

The exploration work in Mukam 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 exploration work has been started on March 2017 and completed on February 2018.

Location:

The Mukam block is located in and around village mukam, Tahsil-Bodla, District-Kabeerdham and falls in toposheet no 64F/3. It is bounded between Latitudes 22°22'45.7255"N to 22°23'26.2587"N and Longitudes 81°08'49.4750"E to 81°10'16.8481"E. The area is approachable through the tar road from the district headquarter Kawardha which is about 72km via Bodla and Taregaon village.

Geology of the area:

The block is a part of Bodai- Daldali plateau which from the central part of Maikal range containing laterite/bauxite capping over Deccan lava flows. Most of the area is covered by laterite/soil having flat topography with minor undulation. The area is on a plateau trending E-W and having small valley, The highest contour level is 931 mRL near the western boundary and which is sloping towards all directions, the lowest contour level is 858 mRL near the eastern boundary.

The area extends over mainly the village Mukam, 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. the main drainage of the area through different seasonal water courses originating from the plateau.

Streams of the plateau exhibit a combination of radial and dendritic pattern.

The area constitutes central part of an extensive laterite-capped plateau 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 around Katheapani and Taregaon in the southern, phyllite, slates and quartzites belonging to chilpi group are exposed. In the lower part of the plateau, narrow patches of lametas, represented by calcareous gritty sandstones and pink & white clay are seen in the Kanai river section at Kukri. There are overlain by horizontally exposed basaltic lava flows of Deccan trap. Good exposures of Deccan trap are notice along the Kukrapani Daldali ghat section. The traps are capped by about 20-25 m thick laterite. Bauxite is normally found within upper part of the laterite capping.

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 - 125.760 ha

Total meterage - 5446.50m

Total resources - 5.042 MT