

Kudaridih bauxite project

The exploration work in Kudaridih block is carrying out by CMDC for bauxite under category G-1 levels as per the minerals (Evidence of Mineral Contents)Rule 2015.

Location:

Kudaridih bauxite block is situated in the village- Kudaridih, Tahsil-Mainpat, District-Surguja in the state of Chhattisgarh. The block is present between latitudes 22°47'20.98"N to 22°48'28.98"N and longitudes 83°17'33.45"E to 83°18'59.76"E. The proposed area falls under toposheet no 64N/5.

Geology of the area:

Kudaridih block is a part of Mainpat plateau which forms the part of Maikalarange containing laterite/bauxite capping over Deccan lava flows. The block area is mostly undulating /slopy land and covered with soil. Bauxite/laterite are exposed only in escarpment area. Maximum contour level is 1040 mRL. The block is trending (N-S). The Archean form the basement of the plateau and consists of gneisses, phyllites and schists intruded by granites, pegmatites and basic dykes. The gneisses which have a general East-West foliation are widely exposed along the base of the plateau where they are generally associated with granites. Overlying the gneisses are schists and phyllites which are mostly weathered. At places, these schists and phyllites are intercalated with thin bands of Quartzites and black Slates. On the western flank of the plateau, these Archean rocks are overlain by lower Gondwana sediments. The entire plateau is covered by Deccan Trap basalts, which are about 180m in thickness. These basalts are extensively weathered, giving rise to wide spread occurrence of laterite and bauxite except at a few places along the scarps and slopes of the plateau, where exposures of the basalts are seen. The laterite and bauxite are the weathering product of Deccan Trap (Upper Cretaceous to Paleocene) developed as a result of intense, substrata alteration, under tropical and climatic conditions. The bauxite profile sequence consists of lithomargic clay at the base, followed by ferruginous bauxite, massive to cavernous bauxite, laterite and soil at the top.

Block Status:

Exploration agency name- m/s **Maheshwari mining pvt ltd.**

Exploration status - G1 Level

Total area - 406.56 Hect.

Total meterage - 18708 mtr.