

Aridongari iron ore Project

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

Location:

Aridongari iron ore block comes under Aridongari hill range (forest compartment no 608) near Kachche village (Tahasil- Bhanupratappur) of Kanker district .The area falls in toposheet no 64H/3 located on Dalli - Rajhara-Bhanupratappur road. The present exploration block is bounded between latitudes 20°23'10"N and 20°24'10"N and longitudes 81°03'50 "E and 81°04'20" E.

Geology of the area:

The area is a part of Latmarka Group. In the North western part of Bastar Craton ,occupying Southern part of Nandgaon Group of Dongargarh Super Group. These are the older supracrustals, occurring as enclaves within the gneisses of Hanker Complex (Bangpal Group). The BIF of Latmarka Group.

The Kotri rift zone is located east of Latmarka Group of rocks and is defined as N-S Trending linear belt for over 250 Km length from Bhanupratappur in the South to the southern part of Amarkantak in the North. It tapers towards South but widens Northwardly with an average width of 25Km.

It is stratabound deposit in which iron ore occurs at the contact of BIF and metapelites. There are different rock types exposed in the mapped area are amphibolites (small ,narrow elongated bodies),metapelites (mainly includes Quartz -Mica-schist,Mica-schist and Quartzites, amongst these Quartz-Mica-schist is dominant lithology),highly altered in nature,BIF mainly BMQ(Banded Magnetite Quartzite) and minor BHQ(Banded Heamatite Quartzite),metabasics (highly altered and occur as bouldery outcrops in lowlying area and nala sections),Granite gneiss(occurs as thin lensoidal body or as semicircular elongated bodies oriented along the Gneissic foliation),Gabbroic dykes, Quartz veins, Aplite veins.

Block status:

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

Exploration status - G1&G2 Level

Total area - 134.645 ha

Total meterage - 5446.50m

Total resources - 5.680 MT