

Kerwa coal project

Exploration of proposed area comes under kerwa coal limited, a joint venture company of CMDC(Chhattisgarh Mineral Development Corporation Limited) and MPSMCL (MP State Mining Corporation Ltd.)a company registered under companies Act 1956/2013.

Location:

The block is the part of korba coal field, which is situated in the south central part of Son -Mahanadi master basin at a transitional position between the drainage area of Son and Mahanadi rivers. The present exploration block ,Kerwa, is bounded by latitudes 22°21'55.0"N and 22°23'31.9" N and longitudes 82°51'47.1"E and 82°54'3.5"E in Survey of India Toposheet no 64J/15.

Geology of the area:

The present exploration in kerwa block reveals the existence of sedimentary pile .It is underlain by rocks of Talchir formation .From this pack two, coal bearing horizons and non coal bearing horizon could be separated out . Besides these a thin unit of ferruginous ,coarse to medium grained sandstone with pebble beds has also been identified as a topmost horizon of this lithopack. The lower coal bearing unit ,mostly medium to coarse grained Arkose/subarkose lies directly over Talchir formation .This unit grades upward into another arenaceous sedimentary pack .Consisting of coarse to very coarse grained and this unit completely devoid of coal. These units further grades upward indiscernibly into another coal bearing unit .These sandstone of this upper coal bearing horizon is finer in grain size relative to the lower coal bearing horizon .

Further, upward , the topmost unit of the succession is marked by another arenaceous unit.This topmost unit is distinctive with respect to the lower one by its high iron enrichment in matrix /cementing material .A discontinuous paleosol horizon is present at the base of this unit . The coal seams of lower horizon are clean and good in quality, whereas the seams in upper horizon are highly interbanded, pyriteferous and poor in quality.The proposed stratigraphic sequence of the present area of investigation are Talchir Group,Barakar Formation, Barren Measures Formation ,Raniganj Formation of Damuda Group and Kamthi Formation of Panchet Group of Gondwana Super Group. And the age of the Formations of present block is Lower Permian to Lower Triassic.

Block status:

Exploration agency name- m/s APC Drilling & Construction pvt ltd.

Exploration status - G1&G2 Level

Total area - 1112 ha (11.12 sq km)

Total meterage - 44740.0m

Total resources - 112.94 MT