

BRIEF GEOLOGICAL NOTE ON CHINNUR SOUTH BLOCK-III

Chinnur South block-III is located in the north-western extension of the southern part of Chinnur coal belt of Godavari valley coalfield, falling in Mancherial District of Telangana state. It is covered under the Survey of India Topo sheet No. E44 H9.

The Chinnur coalbelt is located in the north-western part of the GVCF on its eastern margin. The development of coal seams and the general trend of the Gondwana sediments in this area are in broad conformity with the regional setup of the Godavari Valley Coalfield.

Chinnur south block-III having an area of 12.71 sq.km, average strike length is 8.475km and width is 1.5km. Out of which 12.10 sq.km. area is covered under Chinnur Reserved Forest of Mancherial Forest Division.

Chinnur south block-III area is about 12.71 sq.km, and the strike of the beds in this block is NW-SE and dipping North Easterly. Eighty two nos. of exploratory boreholes were drilled during September 1987 to April 1991 and February 1992 to June 1993 in an area of 12.71 Sq.km. Seven economically important coal seams viz., IA, I, II, LB-2, IIIB, IIIA and III seams of Barakar formation were intersected and the Geological report by MECL were submitted during November-1991 and September-1994.


As per the ISP norms and GCV based reserves system the density of the boreholes drilled in this block as on now, is not sufficient. Present density of the boreholes is only 6 Bhs/Sq.Km but for preparation of a Geological Report the density of the boreholes should be minimum 12-15 Bhs/Sq.Km. Hence, a total of 65 new boreholes are proposed in Chinnur south block-III, Chinnur Reserved Forest of Mancherial Forest Division.

After drilling of the additional 65 boreholes and the earlier completed 82 BH's data will be incorporated in final Geological Report. The Geological Report is the base for the preparation of Project Report, Feasibility Report, etc., for mine planning.

The Govt. of India has issued directive to step up the company's coal production from the present level of 66mt. to 100mt. by the end of year 2025 and this is possible only by opening new mines based on encouraging results of detailed exploration by SCCL.

As the coal is naturally occurring mineral and site specific, the proposed additional drilling of 65 boreholes is required to be undertaken in the forest land where the coal is present. In view of the above, drilling of 65 boreholes proposed in Chinnur south block-III are required, hence forest permission is requested.

The tentative reserves in this block is around 160 Million Tonnes in an area of 12.71 Sq.Km with the existing seams.


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