

SUGIA CLOSED MINE COAL BLOCK SUMMARY

PART A

Sr. No	Features	Details
1.	Location	
	Coal Block	Sugia Closed Mine
	Latitude	23° 37' 55" N to 23° 38' 10" N (Provisional)
	Longitude	85° 35' 3" E to 85° 36' 0" E (Provisional)
	Topo Sheet No.	
	Coalfield	Ramgarh
	Villages	Okharberwa
	Tehsil/Taluka	
	District	Ramgarh
	State	Jharkhand
2.	Connectivity with Block	
	Nearest Rail Head	The Ranchi Road railway station and Ramgarh Cantt station is about 19 km and 20 km respectively from this colliery.
	Road	Sugia colliery is connected with NH-33 near Ranchi road through Kuchha Jeepable road at a distance of about 18 km. Coal of Sugia colliery is transported to NR siding through this road. A kuchha road near Chattar Village on Ramgarh-Petarbar road goes up to Damodar River.
	Airport	Ranchi
3.	Area	
	Geological Block Area	0.40 sq.km (As per shape file. Refer Note at the end)
	Forest Area	Approx. 15 % (As per FSI Plan)
	Non-Forest Area	Approx. 85 % (As per FSI Plan)
4.	Climate and Topography	
	Average Annual Rainfall	
	Temperature (Min. — Max.)	
	Local Surface Drainage Channels	The main drainage is controlled by Damodar River flowing from west to east.
	Rivers	Damodar River marking the southern boundary of the block.

5.	Exploration					
	Status	Explored				
	Exploration Agency	CCL (Feb. 1992), MECL (May 1995)				
	Total Number of Boreholes with meterage	34 Boreholes; 2235.45 m (2 Coring Boreholes & 28 Non-coring Boreholes by CCL; 4 Coring Boreholes by MECL)				
	Borehole Density	Approx. Boreholes/sq.km.				
	General Dip of Seams	10°-15° centripetal dips in the western part. 20° dip towards north in the eastern part.				
General Strike Direction	In the western part of the block the beds depict synclinal behavior with centripetal dips. This syncline is open towards north with plunge direction being NE-SW. In the central part of the block the strike of the formation swings in NE-SW direction. In the central region of eastern part the beds depict E-W trend which once again swings in NW-SE direction. These trend of the beds has been deciphered on the basis of tentative geological plan and merge surface data.					
6.	Coal Seams & Reserve (As per Mining Plan)					
	Number of Coal Seams	Thickness Range (m)	Depth Range (m)	Geological Reserve (MT)		Grade
				Proved	Indicated	
	Top Seam (VII Top + Bot)	17.80-35.90	6.00-30.00	3.15		C-D
	Middle Seam (VII A)	5.75-18.00	22.35-91.91			
	Bottom Seam (VI Top & Bottom)	9.70-15.20	17.00-155.25		1.76	
	Total			4.91		
7.	Surface Constraints	NA				
8.	Grade of the block	G6 (Provisional) based on quality data available for only 1 borehole in the geological note of the block by CCL.				

PART B

Sr. No.	Features	Details
1.	Previous Allocation	
	Name of Allocatee	Jharkhand State Mineral Development Corporation
2.	Status of Mineral Exploitation	--
3.	Status of Clearances/Approvals	
	Mining Plan	Approved

Note:

1. The block boundary of the block has been taken from Geological Note by CCL and MECL after conversion to WGS84 system by feature matching.
2. The block boundary is provisional. The cardinal points & bounding co-ordinates are approximate.
3. The provisional block area is part of surrendered CCL lease hold area.