

Nagurda East Lignite Block Summary

Sr.No.	Features	Details
1	Location	
	Lignite Block	Nagurda East
	Latitude	Latitude (N) : 26° 09' 11" - 26° 10' 59"
	Longitude	Longitude (E) : 71° 25' 23" - 71° 21' 55"
	Topo Sheet No.	40 N/8
	Lignite Field	Barmer Lignite Field
	Villages	Kurrharon ki dhani
	Tehsil/Taluka	Barmer
	District	Barmer
	State	Rajasthan
2	Connectivity with Block	
	Nearest Rail Head	Barmer
	Road	Nagurda East block is about 47 Km. north of Barmer Town. The block is approachable from Barmer, via Barmer-Jaisalmer Highway No.15 upto Bharka village (30 kms, approx.). From Bharka the block can be approached by Bharka-Nagurda-Mokhab unmetalled road passing through the centre of the block. From Nagurda the block is 2 Km. towards Mokhab village.
	Airport	Jaisalmer
3	Area	
	Geological Block Area (After re-blocking)	4.4 Sq.km
	Forest Area	No forest as per topo sheet
	Non-Forest Area	4.4 Sq.km
4	Climate and Topography	
	Average Annual Rainfall	230 mm.
	Temperature (Min.-Max. in°C)	5 to 48
	Local Surface Drainage Channels	The area is devoid of any drainage pattern. Local nalas fed by rain water die out at very short distance due to sandy nature of the area. Few rain fed ponds/talai in the block are used for drinking/ irrigation purpose. These ponds/talai get dried up during summer.
	Rivers	Nil
5	Exploration	
	Status	Regional Exploration completed on 800m grid.
	Exploration Agency	Mineral Exploration Corporation Ltd., (MECL)
	Explored Area (as per GR)	7 Sq. km (Appx.) as per GR.
	Total Number of Boreholes with metreage	10 boreholes & 1998m
	Borehole Density	0.70

	General Dip of Seams	The general dip of the beds are in the south-east & it vary from 2° to 2.6°.				
	General Strike Direction	NE-SW with local undulations and warping				
	Faults	One normal gravity fault				
	Depth range of Lignite seam	86.60 to 123.40 m				
6	Lignite Reserve: Indicated category					
	Grade-wise	Grade as per National Lignite Index	GCV Range (K.Cal/Kg.)	Area (Sq km)	Gross Reserves (MT)	Reserves %
		G15,G16,G17	2001-3000	2.892	21.693	100
	Ratio-wise	Lignite to OB+IB Ratio	Area (Sq km)	Gross Reserves (m.t.)	Reserves %	
		<1:15	0.857	9.623	44.36	
		> 1 : 15	2.035	12.070	55.64	
		Total	2.892	21.693	100.00	
7	Surface Constraints	-				
8	Grade of Lignite	G15, G16, G17 (Provisional). Based on Grade wise data available in GR.				
9	Decision Support System (DSS) Analysis	The polygon touches wildlife habitat(s)-Great Indian Bustard.				
10	Eco Sensitive Zone (ESZ)	Desert National Park is at about 68Km in the West direction from the block.				
11	Remarks	Regional Exploration completed on 800m grid. Geological Report available.				

Note:

1. The summary has been compiled from "Geological Report on Exploration for Lignite, Nagurda East Block, Barmer District, Rajasthan-April 2005, prepared by Mineral Exploration Corporation Ltd., Nagpur.
2. The Exploration block area mentioned above is as given in the Geological report, which may vary after DGPS survey.

Provisional cardinal Points for Nagurda East Lignite Block, Barmer District, Rajasthan.

Boundary Points	Latitude (DMS)	Longitude (DMS)
1	26° 10' 41.467" N	71° 25' 27.361" E
2	26° 10' 41.956" N	71° 25' 42.268" E
3	26° 10' 45.442" N	71° 26' 10.498" E
4	26° 10' 47.542" N	71° 26' 24.884" E
5	26° 10' 27.828" N	71° 26' 32.740" E
6	26° 10' 4.523" N	71° 26' 41.787" E
7	26° 9' 51.524" N	71° 26' 44.227" E
8	26° 9' 26.232" N	71° 26' 14.467" E
9	26° 9' 13.085" N	71° 26' 14.527" E
10	26° 9' 14.130" N	71° 25' 55.781" E
11	26° 9' 14.753" N	71° 25' 44.603" E
12	26° 9' 34.838" N	71° 25' 29.626" E
13	26° 9' 53.067" N	71° 25' 35.906" E
14	26° 10' 18.906" N	71° 25' 35.000" E