

### **Nagurda East Lignite Block Summary**

<b>Sr.No.</b>	<b>Features</b>	<b>Details</b>
<b>1</b>	<b>Location</b>	
	Lignite Block	<b>Nagurda East</b>
	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
<b>2</b>	<b>Connectivity with Block</b>	
	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
<b>3</b>	<b>Area</b>	
	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
<b>4</b>	<b>Climate and Topography</b>	
	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
<b>5</b>	<b>Exploration</b>	
	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			
<b>6</b>	<b>Lignite Reserve: Indicated category</b>				
	Grade-wise	Grade: GCV Range (K.Cal/Kg.)	Area (Sq km)	Gross Reserves (MT)	Reserves %
		B: 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
		<b>Total</b>	<b>2.892</b>	<b>21.693</b>	<b>100.00</b>
<b>7</b>	<b>Surface Constraints</b>	-			
<b>8</b>	<b>Grade of Lignite</b>	B (Provisional). Based on Grade wise data available in GR.			
<b>9</b>	<b>Decision Support System (DSS) Analysis</b>	The polygon touches wildlife habitat(s)-Great Indian Bustard.			
<b>10</b>	<b>Eco Sensitive Zone (ESZ)</b>	Desert National Park is at about 68Km in the West direction from the block.			
<b>11</b>	<b>Remarks</b>	Regional Exploration completed on 800m grid. Geological Report available.			

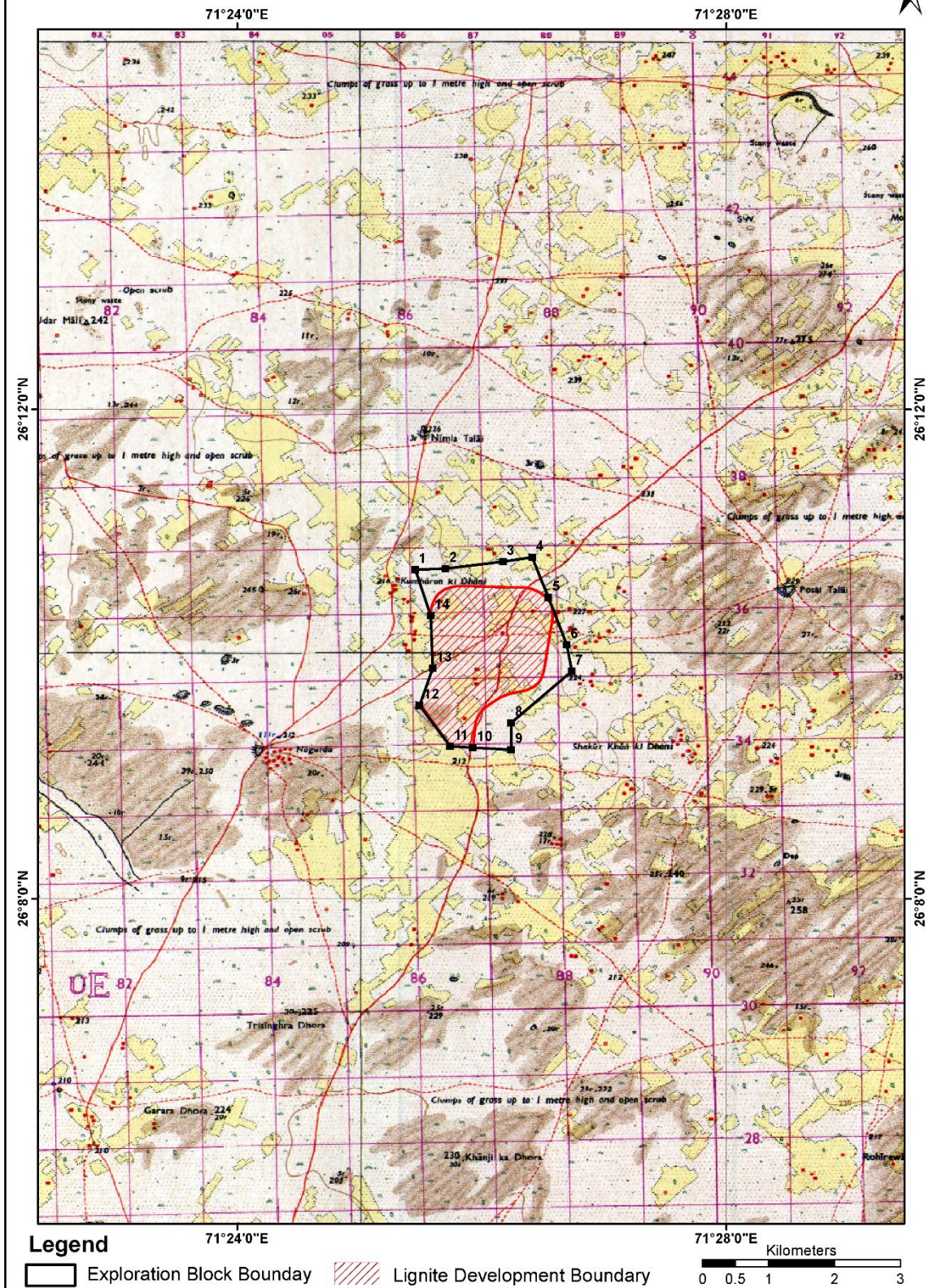
**Note:**

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.

**Disclaimer:**

1. The analysis is done on Beta-version (Trial Version) of Decision Support System (DSS) of FSI/ MOEF.
2. The Decision Rules for various parameters of this DSS System are controlled by FSI.
3. CMPDI only runs this DSS to obtain the status of any block based on these Decision Rules.
4. The database of the Decision Rules is updated by FSI from time to time.
5. CMPDI does not own any responsibility for variation in the results which are based on the decision Rules of the FSI DSS in case of any updation of the database at FSI end.
6. ESZ analysis and tiger habitat/ corridor given here is based on the information available in public domain. Bidders are encouraged to verify this information and any other information additionally available.

**NAGURDA EAST LIGNITE BLOCK, BARMER LIGNITE FIELD, BARMER DISTRICT, RAJASTHAN**  
Part of SOI Toposheet 40 N/8



**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