

 सत्यमेव जयते	<b>राजस्थान राजपत्र</b> <b>विशेषांक</b>	<b>RAJASTHAN GAZETTE</b> <b>Extraordinary</b>
	<b>साधिकार प्रकाशित</b>	<b>Published by Authority</b>
	<b>भाद्र 10, शुक्रवार, शाके 1945-सितम्बर 01, 2023</b> <i>Bhadra 10, Friday, Saka 1945- September 01, 2023</i>	

भाग-1(ख)

महत्वपूर्ण सरकारी आज्ञायें।  
**Mines and Petroleum (Gr-II) Department**  
 Notification  
**Jaipur, August 22, 2023**

**No. F.3(31)Mines/Group-2/2015-Part-5** -In exercise of power conferred under Section 10B (3) to be read with Section 11 of Mines and Mineral (Development and Regulation) Act, 1957 (as amended from time to time), the State Government hereby notify the following copper block for the grant of Mining Lease as per the provisions of the Mineral Auction Rules, 2015 (as amended from time to time).

- 1. Wari Copper Block, Tehsil – Bhupalsagar & Railmagra, District - Chittorgarh & Rajsamand (Rajasthan), Area – 8.40 sq. km.**

Block coordinates are as follows-

Pillar	GNSS Coordinates	
	Latitude	Longitude
A	24° 54'21.1738"	74° 08'27.8157"
B	24° 54'55.7973"	74° 10'00.1238"
C	24° 53'25.5943"	74° 10'40.7841"
D	24° 52'50.9781"	74° 09'08.4911"

By Order of the Governor,  
 ( Nettu Barupal)  
**Joint Secretary to Government.**

4004

राज्य केन्द्रीय मुद्रणालय, जयपुर।

**SUMMARY OF THE MINERAL RESOURCES FOR COPPER ORE OF  
WARI BLOCK  
PART A – GENERAL INFORMATION ABOUT MINERAL BLOCK**

	Features	Details																				
<b>1.</b>	<b>Location</b>	Wari, Lunera, Phalasiya, Jajaro Ka Khera, Tehsil Bhupalsagar, District Chittorgarh & Pipawas, Chhapari, Chawandiya Tehsil Railmagara District Rajsamand																				
	Mineral Block	Wari Copper Block																				
	Corners point (Latitude & Longitude)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Pillar</th> <th colspan="2">Lt. &amp; Long. DGPS Coordinates (WGS-84)</th> </tr> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>24° 54' 21.1738"</td> <td>74° 08' 27.8157"</td> </tr> <tr> <td>B</td> <td>24° 54' 55.7973"</td> <td>74° 10' 00.1238"</td> </tr> <tr> <td>C</td> <td>24° 53' 25.5943"</td> <td>74° 10' 40.7841"</td> </tr> <tr> <td>D</td> <td>24° 52' 50.9781"</td> <td>74° 09' 08.4911"</td> </tr> <tr> <td colspan="3"><b>Total area of block (Sq km.)- 8.40 sq.km.</b></td> </tr> </tbody> </table>	Pillar	Lt. & Long. DGPS Coordinates (WGS-84)		Latitude	Longitude	A	24° 54' 21.1738"	74° 08' 27.8157"	B	24° 54' 55.7973"	74° 10' 00.1238"	C	24° 53' 25.5943"	74° 10' 40.7841"	D	24° 52' 50.9781"	74° 09' 08.4911"	<b>Total area of block (Sq km.)- 8.40 sq.km.</b>		
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	Villages	Wari, Lunera, Phalasiya, Jajaro Ka Khera, Tehsil Bhupalsagar, District Chittorgarh & Pipawas, Chhapari, Chawandiya Tehsil Railmagara District Rajsamand																				
	Tehsil / Taluka	Tehsil Bhupalsagar & Railmagara																				
	District	Chittorgarh & Rajsamand																				
	State	Rajasthan																				
<b>2.</b>	<b>Area (hectares/square kilometers)</b>	840.0000 Hectare																				
	Mineralized Area	-																				
	Non-mineralized Area	-																				
<b>3.</b>	<b>Exploration</b>																					
	Status (G2/G3/G4 etc.)	G-2																				
	Exploration Agency	Mineral Exploration Corporation Ltd. (MECL)																				
	Total Number of Boreholes with meterage	3993.60 m drilling 23 boreholes <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Block</th> <th>No. of boreholes drilled</th> <th>Meterage drilled</th> </tr> </thead> <tbody> <tr> <td>Wari - B</td> <td>11</td> <td>2072.60</td> </tr> <tr> <td>Wari - C</td> <td>12</td> <td>1921.00</td> </tr> </tbody> </table>	Block	No. of boreholes drilled	Meterage drilled	Wari - B	11	2072.60	Wari - C	12	1921.00											
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Wari - B	11	2072.60																				
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	Borehole Spacing (Density)	Boreholes spacing in Wari-C: 10-170 m. Boreholes spacing in Wari-B: 20-150 m.																				
<b>4.</b>	<b>Quantity of Minerals (Grade-wise)</b>																					
	Mineral	<b>Copper ore</b>																				
	Total Geological Resources	At 0.5% Cu. cut off, the total reserves estimated by cross section method for 'C' & 'B' blocks of Wari area together is <b>2.56 million tones</b> with <b>1.09% Cu</b> and <b>Cobalt</b> and <b>Nickel</b> values of <b>161 ppm</b> and <b>168 ppm</b> respectively as by-product.																				
<b>5.</b>	<b>Mineralized Zones</b>																					
	Number of Mineral Zones	Mineralisation has been identified as 48 nos. of bands in all 4 blocks, with main stress was given to B and C blocks of Wari for correlation in identifying these lodes. These 48 bands are grouped under 10 groups. In all, 24 bands are mineable under the thickness and grade cut off in which 14 bands have a spread in at least two section lines are termed as lodes and rest 10 bands has a																				

		spread in one section line, termed as local.
	Trend (Dip and Strike)	The Blocks A, B, C & D of Wari area forms the part of eastern limb of the synclinorium. In the blocks 'B' & 'C' considered for detailed exploration, litho-units show changing strike as SW with northwesterly dips of 50° to 73° in the southern portion, whereas the strike changes to NW with south easterly dips of 50° to 83° in the northern portion of 'B' Block, plunging 69° in WNW direction. With the gap of about 300 m in the southern portion of 'C' block strike is SSW dipping 70° to 88° in the WNW direction. However, the strike changes to NNW dipping WSW direction with dips of 62° to 71° in the northern portion of 'C' block, plunging 66° easterly.
	Total Thickness	Out of 48 bands/lodes identified, 14 bands/lodes in Wari-C block, 11 lodes in Wari-B block and 2 stray borehole lodes totaling 27 bands/lodes attain workable thickness and minimum cut-off grade. Reserves have been calculated for these lodes only and rest of 21 lodes have been identified for correlation purpose. The 27 bands/lodes which attain mineable thickness and grade encountered in boreholes in Wari B & C blocks are showing a true width range of 0.48m (WN-6) to 14.08 m (MWC-9) and grade ranges of 0.51% Cu (WN-40) to 3.77% Cu (MWB-11).
<b>6.</b>	<b>Accessibility</b>	
	Nearest Rail Head	Bhupalsagar is the nearest railway station of west-central railway which is about 6 km from the prospect.
	Road	The prospect lies near state highways viz.SH. No.-9 (Udaipur-Chittorgarh via Mavali and Kapasan. The Bhupalsagar is 70 Km east of Udaipur on Chittorgarh-Udaipur state highway. The district Head Quarter Chittorgarh is about 60 km. far from the block area .
	Airport	Dabok, Udaipur (about 55 km)
<b>7.</b>	<b>Hydrography</b>	
	Local Surface Drainage Pattern (Channels)	The area is almost plain with small mounds and knobs. In general drainage pattern is dendritic and watershed is towards eastern side.
	Rivers/Streams	Some seasonal nallas are also southwest to east flowing through the area which ultimately confluences into seasonal seasonal Baram Nala, The Baram Nala later drains into the Berach river.
<b>8.</b>	<b>Climate</b>	
	Mean Annual Rainfall	Min 336.0 max 746.30 Avg 660.6 mm
	Temperatures (December)	17 <sup>0</sup> C
	Temperatures (June)	48.4 <sup>0</sup> C
<b>9.</b>	<b>Topography</b>	
	Toposheet No.	45 L/1

	Morphology of the area	Wari prospect and the surrounding area are almost entirely soil covered and conspicuously flat. Exposures are scanty and are seen mainly along nala cuttings. This area falls in the semi-arid climatic zone. For most part of the year, the climate remains dry and warm. As such there is no notified forest in the exploration area, owing to its geographical position and limited rainfall. The surface altitude in the deposit varies between 440 m. and 465 m. above mean sea level.
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**PART B – PARTICULARS OF STATUTORY LICENSES, PERMITS,  
PERMISSIONS, CONCESSIONS, APPROVALS AND CONSENTS  
RELATED TO MINING OPERATIONS**

<b>S.N.</b>	<b>Particulars</b>	<b>Details/Status</b>
<b>1</b>	Forest Clearance	To be obtained by the successful Bidder
<b>2</b>	Wildlife clearance (sanctuary, reserve or special zone clearances)	
<b>3</b>	Environment clearance	
<b>4</b>	Mining Plan Approval	
<b>5</b>	Consent to establish	
<b>6</b>	Explosive license	
<b>7</b>	Permission for mining opening	
<b>8</b>	Permission of installation/trial operation of equipment	
<b>9</b>	Ground water clearance (Centre/State)	
<b>10</b>	Railway siding approval	
<b>11</b>	Approval for diesel storage	
<b>12</b>	Power line from State Discom	
<b>13</b>	Clearances relating to work under an existing transmission line or shifting of the transmission line	
<b>14</b>	GramaSabha consent	
<b>15</b>	Any other clearances to start mining operation	

**PART C – PARTICULARS OF LAND**

	<b>LAND TYPE</b>	<b>Area (in. Hectares)</b>
1.	Total Concession Area	840.00
2.	Forest Land with status	NIL
3.	Government Land with status	59.04
4.	Charagah Land with status	315.75
5.	Private Land with status	456.07
6.	Revenue survey details of the Area	Available