

SUMMARY OF THE MINERAL IRON BLOCK- KHORA

PART A- GENERAL INFORMATION ABOUT MINERAL BLOCK

	Features	Details		
1.	Location	N/v Khora, Tehsil- Hindaun & District- Karauli		
	Mineral Block	Khora Iron Ore Block N/v Khora, Tehsil- Hindaun & District- Karauli, Rajasthan		
	Corners point (Latitude & Longitude)	POINT	Longitude	Latitude
		A	77°03'25.10846"	26°40'58.98570"
		B	77°02'56.58941"	26°41'28.37540"
		C	77°03'57.78295"	26°41'56.47257"
		D	77°04'05.44251"	26°41'43.57210"
		E	77°05'28.77903"	26°42'38.08306"
		F	77°05'46.44164"	26°42'15.47749"
		G	77°04'55.88458"	26°41'38.62552"
	Village	Khora		
	Tehsil/ Taluka	Hindaun		
	District	Karauli		
	State	Rajasthan		
2.	Area (Hectare/square kilometers)	462.30 Hectare		
	Mineralised Area			
	Non-mineralised Area			
3.	Exploration			
	Status (G2/G3/G4 etc.)	G-4		
	Exploration Agency	Department of mines & Geology, Rajasthan		
	Total Number of Boreholes with meterage	A total of 10 drillhole influence was considered while estimating the resources based on polygon method which fall in the study area. The depth of minimum and maximum borehole drilled was 45m and 217m respectively.		
	Borehole Spacing (Density)	The G4 level exploration has been carried out in Khora Block.		
4.	Quantity of Minerals (Grade-wise)	Ore	Resources (MT)	Avg. Grade Fe %
		Hematite (>35%)	118.41	36.77
		Magnetite (>15%)	235.86	31.87
		Total Resource	354.27	33.50
	Mineral	Iron		
	Total Geological Resources	A total geological resource of Block is 354.27 MT with an average grade of 33.50% Fe of which Hematite (>35% Fe) is 118.41 with an average grade of 36.77% Fe and Magnetite (>15% Fe) is 235.86 MT with an average grade of 31.87% Fe		
5.	Mineralised Zones			

	Number of Mineral Zones	The thickness of each zone of Iron ore in all boreholes was calculated as per the average cut-off grade of Fe > 35% in Hematite and Fe > 15% in Magnetite based on weighted average using excel software. Hence Mineral resources presented in the current estimate have been assigned G4 level.
	Trend (Dip and Strike)	The Banded Hematite Chert (BHC) and Banded Hematite Jasper (BHJ) are mostly bedded to laminated in nature striking NNE-SSW to NE-SW and dipping towards NW or SE and occurs as discontinuous hillocks trending mostly in NE-SW direction and shows foliation at places.
	Total Thickness	Thickness of orebody intersected varies from 48.00m to 217.0m.
6.	Accessibility	
	Nearest Rail Head	Hindaun City, 15 km
	Road	Khora is located 3 KM North of Karsoli village. A network of all-weather motorable roads connect Khora village to nearby villages and townships. There are buildings & structures within the lease area. The block is located 50 m South of Khora village. The area lies at around 25 kms SE of Hindaun town on S.H 22. The investigated area is well connected by tar road.
	Airport	Jaipur International Airport -160 km (W)
7.	Hydrography	
	Local Surface Drainage Pattern (Channels)	No perennial river originates or flows from this part of investigated area.
	Rivers/Streams	Seasonal nallas, ponds etc. are available in the area, which fulfils the water requirement along with recent developed tube wells and dug wells.
8.	Climate	
	Mean Annual Rainfall	Avg. 70.5 cm
	Temperatures (December)	2 ⁰ C min.
	Temperatures (June)	46 ⁰ C max. recorded
9.	Topography	
	Toposheet No.	54F/2
	Morphology of the area	

**PART B – PARTICULARS OF STATUTORY LICENSES, PERMITS,
PERMISSIONS, CONCESSIONS, APPROVALS AND CONSENTS
RELATED TO MINING OPERATIONS**

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

PART- C PARTICULARS OF LAND

	LAND TYPE	Area (in Hectare)
1.	Total Concession Area	462.30
2.	Forest Land with status	-
3.	Government Land with status	-
4.	Charagah Land with status	-
5.	Private Land with status	-
6.	Revenue survey details of the Area	-