

# SUMMARY OF THE MINERAL IRON BLOCK- TODUPURA

## PART A- GENERAL INFORMATION ABOUT MINERAL BLOCK

	Features	Details		
<b>1.</b>	<b>Location</b>	<b>N/v Todupura, Tehsil- Hindaun &amp; District- Karauli</b>		
	Mineral Block	<b>Todupura Iron Ore Block N/v Todupura, Tehsil- Hindaun &amp; District- Karauli, Rajasthan</b>		
	Corners point (Latitude & Longitude)	<b>POINT</b>	<b>Longitude</b>	<b>Latitude</b>
		A	77°02'14.12244"	26°38'24.73627"
		B	77°01'42.19073"	26°38'03.43363"
		C	77°01'09.97971"	26°38'24.39390"
		D	77°01'07.99793"	26°39'13.09624"
		E	77°01'27.88246"	26°39'12.81331"
		F	77°02'10.96145"	26°38'43.20559"
		FRP	77°01'56.14740"	26°38'23.01358"
	Village	<b>Todupura</b>		
	Tehsil/ Taluka	<b>Hindaun</b>		
	District	<b>Karauli</b>		
	State	<b>Rajasthan</b>		
<b>2.</b>	<b>Area (Hectare/square kilometers)</b>	<b>260.71 Hectare</b>		
	Mineralised Area			
	Non-mineralised Area			
<b>3.</b>	<b>Exploration</b>			
	Status (G2/G3/G4 etc.)	G-4		
	Exploration Agency	Department of mines & Geology, Rajasthan		
	Total Number of Boreholes with meterage	A total of 06 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 60m and 160.65m respectively.		
	Borehole Spacing (Density)	The G4 level exploration has been carried out in Todupura Block.		
<b>4.</b>	<b>Quantity of Minerals (Grade-wise)</b>			
	Mineral	<b>Iron</b>		
		<b>Ore</b>	<b>Resources (MT)</b>	<b>Avg. Grade Fe %</b>
		Hematite (>35%)	0.53	40.19
		Magnetite (>15%)	84.89	26.13
		Total Resource	<b>85.42</b>	<b>26.22</b>
	Total Geological Resources	A total geological resource of Block is <b>85.42 MT with an average grade of 26.22% Fe of which Hematite (&gt;35% Fe) is 0.53 with an average grade of 40.19% Fe and Magnetite</b>		

		(>15% Fe) is 84.89 MT with an average grade of 26.13 % Fe
<b>5.</b>	<b>Mineralised Zones</b>	
	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 26.00m to 144.70m.
<b>6.</b>	<b>Accessibility</b>	
	Nearest Rail Head	Hindaun City, 15 km
	Road	Todupura is located 3 KM NE of Poonaheri village. A network of all-weather motorable roads connect Todupura village to nearby villages and townships. There are buildings & structures within the lease area. The block is located 100m North of Todupura village. The area lies at around 12 kms SW of Hindaun town on S.H 22. The investigated area is well connected by tar road.
	Airport	Jaipur International Airport -160 km (W)
<b>7.</b>	<b>Hydrography</b>	
	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.
<b>8.</b>	<b>Climate</b>	
	Mean Annual Rainfall	Avg. 70.5 cm
	Temperatures (December)	2 <sup>0</sup> C min.
	Temperatures (June)	46 <sup>0</sup> C max. recorded
<b>9.</b>	<b>Topography</b>	
	Toposheet No.	54F/2
	Morphology of the area	

**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>
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**

	<b>LAND TYPE</b>	<b>Area (in Hectare)</b>
1.	Total Concession Area	<b>260.71</b>
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	-