

**SUMMARY OF THE MINERAL LIMESTONE BLOCK TKSB-16  
PART A – GENERAL INFORMATION ABOUT MINERALBLOCK**

	<b>Features</b>	<b>Details</b>				
<b>1.</b>	<b>Location</b>	<b>N/v Haripura, Tehsil- Kheenvsar &amp; District- Nagaur</b>				
	Mineral Block	<b>TKSB-16 Limestone Block N/v Haripura, Tehsil- Kheenvsar &amp; District- Nagaur</b>				
	Corners point (Latitude & Longitude)	<b>POINT</b>	<b>Longitude</b>	<b>Latitude</b>		
		U4	73° 29' 42.6622" E	26° 58' 22.2642" N		
		I	73° 29' 51.3460" E	26° 58' 21.5436" N		
		T5	73° 29' 51.4616" E	26° 58' 15.8588" N		
		T4	73° 29' 42.7585" E	26° 58' 15.7659" N		
	Villages	<b>Haripura,</b>				
	Tehsil / Taluka	<b>Kheenvsar</b>				
	District	<b>Nagaur</b>				
	State	Rajasthan				
<b>2.</b>	<b>Area (hectares/square kilometers)</b>	4.4910 Hectare				
	Mineralized Area	4.4910 Hectare				
	Non-mineralized Area	NIL				
<b>3.</b>	<b>Exploration</b>					
	Status (G2/G3/G4 etc.)	G-2				
	Exploration Agency	Department of mines & Geology, Rajasthan				
	Total Number of Boreholes with meterage	A total of 03 holes drilled in the study area & influence of 03 drill hole was considered for estimating the resources. Total meterage of drilling in the 03 borehole is respectively 54, 50 and 50 m.				
	Borehole Spacing (Density)	The boreholes were drilled closely spaced at 400 X 400 m regular grid pattern except some of the bore holes which were shifted due to crops in the agriculture field. The limestone deposit of the area is of regular habit, thus it falls under G-2 (332) category, as per Part III of The Minerals (Evidence of Mineral Contents) Rules, 2015.				
<b>4.</b>	<b>Quantity of Minerals (Grade-wise)</b>					
	Mineral	<b>Limestone</b>				
		<b>Grade of Limestone</b>	<b>Net Geological Resources (In Million tons)</b>	<b>Wt. Average CaO%</b>	<b>Wt. Average MgO%</b>	<b>Wt. Average SiO<sub>2</sub>%</b>
		<b>Limestone (CaO &gt;34%, MgO &lt;5.00% SiO<sub>2</sub>&lt;16% wt.average %)</b>	2.38	47.93	2.79	3.44
		<b>Total</b>	<b>2.38 M.T.</b>			

	Total Geological Resources	A total geological resource of <b>TKSB-16 block</b> is <b>2.38 mT</b> with an average grade of <b>CaO 47.93 %</b> , <b>SiO<sub>2</sub> 3.44 %</b> , <b>MgO 2.79 %</b> , <b>Fe<sub>2</sub>O<sub>3</sub> 0.12 %</b> , <b>Al<sub>2</sub>O<sub>3</sub> 0.37 %</b>
<b>5.</b>	<b>Mineralized Zones</b>	
	Number of Mineral Zones	Two to Three zones identified with a cumulative thickness is ranging from minimum 14.70 mts to maximum 24.47 mts
	Trend (Dip and Strike)	The nature of limestone deposit is of sedimentary stratiform is trending almost N-S with rolling dip.
	Total Thickness	cumulative thickness is ranging from minimum 14.70 mts to maximum 24.47 mts
<b>6.</b>	<b>Accessibility</b>	
	Nearest Rail Head	Nagaur (50 kms)
	Road	The block is located 100 m South of Tadawas village. The area lies at around 48 kms NE of Nagaur town on Bikaner-Barmer N.H 62. The investigated area is well connected by tar road.
	Airport	Bikaner 165km
<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	Min. 270 max. 410.0 Avg. 393
	Temperatures (December)	1 <sup>o</sup> C min.
	Temperatures (June)	50 <sup>o</sup> C max. recorded
<b>9.</b>	<b>Topography</b>	
	Toposheet No.	45F/5
	Morphology of the area	The area is almost plain with small mounds and knolls. The area shows a plain topography with scanty and scattered outcrops of limestone which are partially concealed under windblown sand and at some places with agriculture farm soil. Most of the limestone exposures are on ground level except some low to moderate high linear isolated mounds.

**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	GramaSabha consent	
15	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	4.4910
2.	Forest Land with status	NIL
3.	Government Land with status	0.0561
4.	Charagah Land with status	NIL
5.	Private Land with status	4.4349
6.	Revenue survey details of the Area	Available