

**SUMMARY OF THE MINERAL LIMESTONE BLOCK TKB-11
PART A – GENERAL INFORMATION ABOUT MINERALBLOCK**

	Features	Details		
1.	Location	N/v Jorawarpura, Haripura Tehsil- Kheenvsar & District- Nagaur		
	Mineral Block	TKB-11 Limestone Block N/v Jorawarpura, Haripura Tehsil- Kheenvsar & District- Nagaur		
	Corners point (Latitude & Longitude)	POINT	Longitude	Latitude
		V	73° 29' 07.2564" E	26° 58' 59.6633" N
		V1	73° 29' 15.9572" E	26° 58' 59.9902" N
		V2	73° 29' 23.7766" E	26° 59' 00.2838" N
		H	73° 29' 33.5242" E	26° 59' 00.6496" N
		I	73° 29' 51.3460" E	26° 58' 21.5436" N
		U4	73° 29' 42.6622" E	26° 58' 22.2642" N
		U3	73° 29' 33.9590" E	26° 58' 22.1712" N
		U2	73° 29' 25.2558" E	26° 58' 22.0781" N
		U1	73° 29' 16.5525" E	26° 58' 21.9848" N
		U	73° 29' 07.8099" E	26° 58' 21.8909" N
	Villages	Jorawarpura, Haripura		
	Tehsil / Taluka	Kheenvsar		
	District	Nagaur		
	State	Rajasthan		
2.	Area (hectares/square kilometers)	112.8886 Hectare		
	Mineralized Area	112.8886 Hectare		
	Non-mineralized Area	NIL		
3.	Exploration			
	Status (G2/G3/G4 etc.)	G-2		
	Exploration Agency	Department of mines & Geology, Rajasthan		
	Total Number of Boreholes with meterage	A total of 04 holes drilled in the study area & influence of 04 drill hole was considered for estimating the resources. Total meterage of drilling in the 04 borehole is respectively 35, 51.5, 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.		

4.	Quantity of Minerals (Grade-wise)																
	Mineral	Limestone															
		<table border="1"> <thead> <tr> <th>Grade of Limestone</th> <th>Net Geological Resources (In Million tons)</th> <th>Wt. Average CaO%</th> <th>Wt. Average MgO%</th> <th>Wt. Average SiO₂%</th> </tr> </thead> <tbody> <tr> <td>Limestone (CaO >34%, MgO <5.00% SiO₂<16% wt.average %)</td> <td>31.47</td> <td>48.08</td> <td>2.90</td> <td>2.91</td> </tr> <tr> <td>Total</td> <td colspan="4">31.47 M.T.</td> </tr> </tbody> </table>	Grade of Limestone	Net Geological Resources (In Million tons)	Wt. Average CaO%	Wt. Average MgO%	Wt. Average SiO ₂ %	Limestone (CaO >34%, MgO <5.00% SiO ₂ <16% wt.average %)	31.47	48.08	2.90	2.91	Total	31.47 M.T.			
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Total	31.47 M.T.																
	Total Geological Resources	A total geological resource of TKB-11 block is 31.47 mT with an average grade of CaO 48.08 % , SiO₂ 2.91 % , MgO 2.90 % , Fe₂O₃ 0.13 % , Al₂O₃ 0.32 %															
5.	Mineralized Zones																
	Number of Mineral Zones	One to Three zones identified with a cumulative thickness is ranging from minimum 5.10 mts to maximum 16.50 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 5.10 mts to maximum 16.50 mts															
6.	Accessibility																
	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															
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	Min. 270 max. 410.0 Avg. 393															
	Temperatures (December)	1 ^o C min.															
	Temperatures (June)	50 ^o C max. recorded															
9.	Topography																

	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**

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	GramaSabha consent	
15	Any other clearances to start mining operation	

PART C – PARTICULARS OF LAND

	LAND TYPE	Area (in. Hectares)
1.	Total Concession Area	112.8886
2.	Forest Land with status	NIL
3.	Government Land with status	42.1879
4.	Charagah Land with status	NIL
5.	Private Land with status	70.7007
6.	Revenue survey details of the Area	Available