

**SUMMARY OF THE MINERAL CHANDAKHEDI- SHADI- PALKA
LIMESTONE BLOCK
PART A – GENERAL INFORMATION ABOUT MINERAL BLOCK**

	Features	Details			
1.	Location	Chandakheri, Shadi, Palka Uthenkalan, Dewariyan, Parkhiya kheri, Thukrai, Dharla & Rayta tehsil Begun, district Chittaurgarh			
	Mineral Block	Chandakhedi- Shadi- Palka Limestone Block			
	Corners point (Latitude & Longitude)	PILLAR NO	Latitude	Longitude	Particular
		FRP	25°02'38.70944"	75°06'02.50858"	PALKA MANDIR
		A	25°03'10.29833"	75°05'44.10303"	INTERMEDIATE PILLAR
		1	25°03'07.78227"	75°05'46.03414"	LEASE PILLAR
		P	25°02'22.33574"	75°06'20.91030"	LEASE PILLAR
		Q	25°02'20.92268"	75°06'18.69148"	LEASE PILLAR
		2	25°01'57.18820"	75°06'37.70696"	LEASE PILLAR
		3	25°01'54.31027"	75°06'36.24500"	LEASE PILLAR
		4	25°01'52.21038"	75°06'38.63954"	LEASE PILLAR
		5	25°01'53.71076"	75°06'40.68758"	LEASE PILLAR
		R	25°01'52.09269"	75°06'41.93732"	LEASE PILLAR
		S	25°01'53.02399"	75°06'43.39972"	LEASE PILLAR
		B	25°01'39.81626"	75°06'53.53213"	LEASE PILLAR
		X	25°01'23.96438"	75°07'18.33288"	LEASE PILLAR
		Y	25°01'03.35637"	75°07'01.87014"	LEASE PILLAR
		Z	25°01'06.24153"	75°06'02.36772"	LEASE PILLAR
		T	25°01'07.58677"	75°05'57.69731"	LEASE PILLAR
		H	25°02'26.09051"	75°04'46.76522"	LEASE PILLAR
		I	25°02'30.98803"	75°05'08.48256"	LEASE PILLAR
		6	25°03'07.54303"	75°05'41.60608"	LEASE PILLAR
		TOTAL AREA		741.0 Hectares or 7.41 sq.km.	
	Villages	Chandakheri, Shadi, Palka Dewariya, Parkhiya kheri, Rayta, Dharla, Uthen kalan & Thukrai			
	Tehsil / Taluka	Begun			

	District	Chittorgarh													
	State	Rajasthan													
2.	Area (hectares/square kilometers)	741.0000 Hectare													
	Mineralized Area	-													
	Non-mineralized Area	-													
3.	Exploration														
	Status (G2/G3/G4 etc.)	G-2													
	Exploration Agency	Ultratech Cement Ltd. (UTCL)													
	Total Number of Boreholes with meterage	A total of 50 holes drilled in the study area & influence of 50 drill hole was considered for estimating the resources. Total 1960.00 m. drilling was carried out spread over 50 boreholes. The depth of boreholes drilled varies from 30 m to 40 m from the surface. General spacing of borehole is around 200 m.													
	Borehole Spacing (Density)	The boreholes were drilled closely spaced at 200 X 200 m regular grid pattern except some of the bore holes which were shifted due to crops in the agriculture field.													
4.	Quantity of Minerals (Grade-wise)														
	Mineral	Limestone													
		<table border="1"> <thead> <tr> <th>Category</th> <th>Resources (million tons)</th> </tr> </thead> <tbody> <tr> <td>Threshold Value (Ca 34 to ≤ 38 %)</td> <td>3.77</td> </tr> <tr> <td>Blendable Grade (Cao 38 to 42 %)</td> <td>95.21</td> </tr> <tr> <td>Cement Grade (Cao > 42 %)</td> <td>72.74</td> </tr> <tr> <td></td> <td>171.72 million tons</td> </tr> <tr> <td>Total</td> <td>Limestone resources with weighted Avg. 41.36% CaO, 13.44% SiO₂ & 2.54% MgO.</td> </tr> </tbody> </table>		Category	Resources (million tons)	Threshold Value (Ca 34 to ≤ 38 %)	3.77	Blendable Grade (Cao 38 to 42 %)	95.21	Cement Grade (Cao > 42 %)	72.74		171.72 million tons	Total	Limestone resources with weighted Avg. 41.36% CaO, 13.44% SiO ₂ & 2.54% MgO.
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	Total Geological Resources	Limestone resources with weighted Avg. 41.36% CaO, 13.44% SiO₂ & 2.54% MgO.													
5.	Mineralized Zones														
	Number of Mineral Zones	The 01 zones The limestone band shown in subsurface map having strike length of about 4 km. with width varies from 800 m to 1.6 km. The depth of boreholes drilled varies from 30 m to 40 m from the surface.													
	Trend (Dip and Strike)	The general strike of the formation is NE-SW to E-W with gentle dip of 5° to 10° on either side i.e. NW & SE thus giving rise to warps. The axial planes of these folds are show change in orientations very frequently													
	Total Thickness	The total thickness of mineralized from 30 to 40 mts.													

6.	Accessibility	
	Nearest Rail Head	Parsoli of Broad gauge (Chittorgarh-Kota line) (25 kms)
	Road	It is well connected with the network of roads, and is located at about 70 km east of Chittaurgarh town on Udaipur- Kota National Highway No 76. Nearest railways station is Parsoli of broad gauge (Chittorgarh-Kota line) is about 20 km from the area. Two high tension power transmission lines pass through the area. A few LT lines also exist & criss-cross the area. No overhead telephone lines could be seen within area. Mobile phone connectivity exists within area.
	Airport	Dabok, Udaipur 155 km
7.	Hydrography	
	Local Surface Drainage Pattern (Channels)	There is no perennial source of surface water like river, stream, reservoir etc. within block area. However, some natural rivulets exist within the area which pass from north to southern side and get active only during monsoon period. Fresh water generally available in seasonal river Menali which flows in nearby area. The water table of the area is 8-10 m deep in rainy season and 18-22 m depth in summers.
	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	The annual rainfall of the area varies between 600 mm to 800 mm. Avg. is 700 mm.
	Temperatures (December)	1 ⁰ C min.
	Temperatures (June)	The temperature minimum is 4° C in January & maximum is 44° C in May – June. The Avg. temperature is 27°C.
9.	Topography	
	Toposheet No.	45 O/04
	Morphology of the area	Topographically the area is almost flat with gentle slope towards south east. The elevation difference observed in the higher elevation which is seen towards northern part of the area while the lowest elevation is seen at the southern part. The cultivated fields are covered with soil under which the limestone, shally limestone and shale's are there. The general elevation of the block area is 421 m above mean sea-level. However, the surrounding sandstone hilly terrain which is falling in the east of the block area, have maximum altitude i.e. 603 msL of the area. Maximum part of the block comprises agriculture land utilizing for cultivation. Some/Few seasonal streams emerge from the northern part of the area and following the slope, drain across the width of block.

**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	741.00
2.	Forest Land with status	NIL
3.	Government Land with status	59.6236
4.	Charagah Land with status	125.1943
5.	Private Land with status	554.3241
6.	Revenue survey details of the Area	Available