

SUMMARY OF THE MINERAL LIMESTONE BLOCK NIMANA-DUNIYA

PART A – GENERAL INFORMATION ABOUT MINERALBLOCK

	Features	Details	
1.	Location	N/V Nimana-Duniya Tehsil Ramganjmandi, District Kota (Rajasthan)	
	Mineral Block	Nimana-Duniya Limestone Block of Tehsil Ramganjmandi, District Kota (Rajasthan)	
	Corner Points (Latitude, Longitude)	Pillar	GNSS Coordinates
			Latitude Longitude
		A	24°41'33.355000" 75°57'48.017450"
		B	24°41'23.556179" 75°57'56.889165"
		C	24°41'25.146495" 75°57'58.993514"
		D	24°41'15.126306" 75°58'08.065079"
		E	24°41'06.876636" 75°57'57.149041"
		F	24°40'56.829175" 75°58'06.245014"
		G	24°41'14.445515" 75°58'29.556284"
		H	24°40'54.414034" 75°58'47.688137"
		I	24°40'51.030522" 75°58'43.210448"
		J	24°40'53.133444" 75°58'36.535635"
		K	24°40'56.281829" 75°58'26.531625"
		L	24°40'54.393738" 75°58'25.352365"
		M	24°40'46.655566" 75°58'15.112906"
		N	24°40'15.598000" 75°58'43.224347"
		O	24°40'07.020184" 75°58'31.874097"
		P	24°40'09.455192" 75°58'29.670195"
		Q	24°39'51.076196" 75°58'05.353581"

		R	24°40'01.237604"	75°57'56.155684"
		S	24°40'11.939618"	75°58'10.314531"
		T	24°40'31.130950"	75°57'52.942071"
		U	24°40'33.485276"	75°57'56.056942"
		V	24°40'42.093705"	75°57'48.263812"
		W	24°40'39.202855"	75°57'44.439149"
		X	24°41'01.040324"	75°57'24.667946"
		Y	24°41'09.380607"	75°57'35.702256"
		Z	24°41'15.964296"	75°57'29.741189"
		ZZ	24°41'21.171705"	75°57'31.897361"
	Villages	Nimana, Duniya, Mayla, Hanuwatkhera		
	Tehsil / Taluka	Ramganjmandi		
	District	Kota		
	State	Rajasthan		
2.	Area (hectares/square kilometres)	299.15295352 Hectare		
	Mineralised Area	299.15295352 Hectare		
	Non-mineralised 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 807.0 m core drilling spread over 21 boreholes has been carried out in the area whereas borehole no NDBH-11 and NDBH-19 is negative, not include in this block.		
	Borehole Spacing (Density)	Closely spaced bore holes at 400 × 400 m 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		

		Grade of Limestone	Net Geological Resources(In Million tons)	Wt. Average CaO%	Wt. Average MgO%	Wt. Average SiO ₂ %
		Cement Grade Limestone (CaO – ≥ 42%, MgO - ≤5% wt. average %)	75.7879778	42.23	0.78	16.92
		Blendable Grade Limestone (CaO – 38-42%, MgO - ≤5% wt. average %)	55.3976995	38.63	0.95	21.02
		Threshold Value Limestone (CaO – 34-38%, MgO - ≤5% wt. average %)	72.8291604	35.13	0.74	26.12
		Total	204.0148377 M.T.			
	Total Geological Resources	A total of 224.1573386 million tons Geological Resources of mineral Limestone were estimated in the Nimana-Duniya block, spreaded over 21 boreholes NDBH-1 to NDBH-21 in which borehole no NDBH-11 and NDBH-19 is negative, not include in this block. As 2 pits which excavated by local peoples and 2 high-tension electric lines passing (influence 45 m. each side) through the block hence 20.1425009 million tones Reduced Geological Resources of mineral Limestone calculated in the block. <u>Hence Net Geological Resources of mineral Limestone in this block is 204.0148377 Million Tonnes.</u>				
5.	Mineralised Zones					
	Number of Mineral Zones	1 to 6				
	Trend (Dip and Strike)	The limestone belt has a general strike direction in the area as NW-SE having horizontal to sub horizontal beds and at places dipping 2 to 5 degrees in SW direction.				
	Total Thickness	10.10 m. (Min.) to 50.0 m (Max).Cumulative thickness of mineralized zone.				
6.	Accessibility					
	Nearest Rail Head	Ramganjmandi(7km)				
	Road	The area is located at about 65 km. SSE of district headquarter Kota on the side of NH-12 i.e. Kota-				

		Jhalawar Highway.
	Airport	Kota (65km)
7.	Hydrography	
	Local Surface Drainage Pattern (Channels)	No river originated or flows from this part of investigated area.
	Rivers/Streams	Seasonal nallas falls in the area mainly NE- SW
8.	Climate	
	Mean Annual Rainfall	660.6 mm
	Temperatures (December)	12 ⁰ C min.
	Temperatures (June)	48.4 ⁰ C max. recorded
9.	Topography	
	Toposheet No.	45P/14
	Morphology of the area	The area is almost plain with small mounds and knolls.

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

S.NO.	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	2.9915295352
2.	Forest Land with status	NIL
3.	Government Land with status	22.9393
4.	Charagah Land with status	8.5959
5.	Private Land with status	267.9446
6.	Revenue survey details of the Area	Available

Note:

- The variation in the total block area (299.15295352 hectare) and area calculated by superimposition of block on revenue record (299.4798 hectare) is due to partial Khasras falling in the block and also due to differences of area in digitized settlement sheet and revenue record.

- The cadastral Khasra detail of the block verified by concerned Patwari&Tehsildar is enclosed with the report.
- Total area has been calculated based on area falling with in the coordinates but when superimposed on revenue map, slightly it may differ being both on different projections, one is spherical and other is linear.