

**SUMMARY OF THE MINERAL LIMESTONE BLOCK HPB-19
PART A – GENERAL INFORMATION ABOUT MINERALBLOCK**

	Features	Details		
1.	Location	N/v Harima, Khetolaw, Pithasia, Sarasani, Somna Tehsil Nagaur, Deh District- Nagaur,		
	Mineral Block	HPB-19 Limestone Block N/v Harima, Khetolaw, Pithasia, Sarasani, Somna Tehsil Nagaur, Deh District- Nagaur		
	Corner Points (Latitude, Longitude)	Pillar	DGPS Coordinates	
			Latitude	Longitude
		A2	27°14'3.9200"	73°51'29.7100"
		Y1	27°14'35.6300"	73°51'29.3851"
		X1	27°14'36.9746"	73°54'42.9049"
		I1	27°14'11.8498"	73°54'29.574"
		H1	27°14'11.7817"	73°54'20.8489"
		G1	27°14'11.7134"	73°54'12.1239"
		J1	27°14'5.2142"	73°54'12.1876"
		F1	27°14'4.1704"	73°52'0.6112"
		D1	27°14'10.6695"	73°52'0.5454"
		B1	27°14'17.1686"	73°52'0.4796"
		A1	27°14'17.0979"	73°51'51.7545"
		C1	27°14'10.5988"	73°51'51.8205"
	E1	27°14'4.0998"	73°51'51.8864"	
	Villages	Harima, Khetolaw, Pithasia, Sarasani, Somna		
	Tehsil / Taluka	Nagaur & Deh		
	District	Nagaur		
	State	Rajasthan		
2.	Area (hectares/square kilometres)	476.8022 Hectares		
	Mineralised Area	476.8022 Hectares		
	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 32 holes drilled in the study area & influence of 32 drill hole was considered for estimating the resources on the basis of polygon method of which 30 drill holes falls within the block and remaining 2 drillholes falls outside the block but their influence is considered for estimation. Depth of the borehole varies from 6 to 53 m. Total meterage of drilling in the 32 boreholes is 1395.5 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				
		Grade of Limestone	Geological Resources (In MT)	Wt. Avg. CaO%	Wt. Avg. MgO %	Wt. Avg. SiO₂ %
		LIMESTONE (CaO >34%, MgO <5.00% SiO ₂ <16% wt. average %)	161.95	46.35	2.9	3.41
		Total	161.95 M.T.			
	Total Geological Resources	A total geological resource is 161.95 MT limestone with an average grade of CaO 46.35%, SiO₂ 3.41 %, and MgO 2.9% .				
5.	Mineralised Zones					
	Number of Mineral Zones	1 to 7				
	Trend (Dip and Strike)	Limestone is bedded & sedimentary in nature. Limestone of the area is light grey to dark grey in colour. The limestone is trending almost N-S with rolling dip. Limestone is intermittently exposed at places forming plain topography and remaining area is soil covered				
	Total Thickness	The one to seven zones of limestone having cumulative thickness varying from 1.5 m to 36.50 m.				
6.	Accessibility					
	Nearest Rail Head	Nagaur				
	Road	The Block proposed for auction is located 1 KM South of Harima village and 750 m West of Somna village. A network of all-weather motorable roads connect Harima village to nearby villages and townships. The area lies at around 18 kms NE of Nagaur town on Nagaur-Ladnun N.H 65. The investigated area is well connected by tar road.				
	Airport	Jodhpur (160km)				

7.	Hydrography	
	Local Surface Drainage Pattern (Channels)	No perennial river originates or flows from this part of investigated area.
	Rivers/Streams	Small 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	300 mm
	Temperatures (December)	Min 1 ⁰
	Temperatures (June)	Max 45 ⁰ C, Avg temperature - 25.70 ⁰ C
9.	Topography	
	Toposheet No.	45E/15 and 45E/16
	Morphology of the area	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

**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, if required
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	476.8021
2.	Forest Land with status	NIL
3.	Government Land with status	63.4461
4.	Charagah Land with status	42.4967
5.	Private Land with status	370.8593
6.	Revenue survey details of the Area	Available

Note:

- ❖ The variation in the total block area (476.8022 hectare) and area calculated by superimposition of block on revenue record (476.8021 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 within the coordinates but when superimposed on revenue map, slightly it may differ being both on different projections, one is spherical and other is linear.