

**SUMMARY OF THE MINERAL MAGNESITE BLOCK FOR ML
PART - A – GENERAL INFORMATION ABOUT MINERAL BLOCK**

	Features	Block Details			
1.	Location				
	Mineral Block	Selu Magnesite Block			
	Sr.No.	Points	Latitude	Longitude	
1.	B-1	24° 47' 06.098"	73° 38' 55.837"		
2.	B-20	24° 46'58.920"	73° 39'07.045"		
3.	B-19	24° 46' 35.770"	73° 39'06.890"		
4.	B-18	24° 46'32.016"	73° 39'04.378"		
5.	B-17	24° 46'17.000"	73° 39'03.900"		
6.	BZ	24° 45'55.0574"	73° 38'52.6821"		
7.	B-16	24° 45'48.002"	73° 38'47.040"		
8.	B-15	24° 45'45.9792"	73° 38' 52.321"		
9.	B-14	24° 45'40.1307"	73° 38'49.797"		
10.	B-13	24° 45'30.340"	73° 38' 53.080"		
11.	B-12	24° 45' 30.600"	73° 38'56.400"		
12.	B-11	24° 45'29.540"	73° 38'59.240"		
13.	B-10	24° 45'26.630"	73° 39'01.460"		
14.	B-9	24° 45'17.940"	73° 39'01.550"		
15.	B-8	24° 45'17.460"	73° 38'57.930"		
16.	B-7	24° 45'24.250"	73° 38'45.530"		
17.	B-6	24° 45'45.720"	73° 38'38.650"		
18.	BY	24° 46' 02.294"	73° 38' 45.812"		
19.	2B	24° 46' 01.235"	73° 38' 49.297"		
20.	1C	24° 45' 59.633"	73° 38' 48.713"		
21.	1B	24° 45' 55.610"	73° 38' 51.466"		
22.	1A	24° 46' 05.43705"	73° 38' 54.89695"		
23.	1F	24° 46' 07.843"	73° 38' 54.002"		
24.	1E	24° 46' 10.729"	73° 38' 54.527"		
25.	1D	24° 46' 11.212"	73° 38' 52.94"		
26.	2A	24° 46' 09.376"	73° 38' 52.27"		
27.	BX	24° 46' 10.283"	73° 38' 49.276"		
28.	B-5	24° 46' 12.260"	73° 38' 50.130"		
29.	B-4	24° 46' 24.910"	73° 38' 46.800"		
30.	B-3	24° 46' 34.880"	73° 38' 49.930"		
31.	B-2	24° 46' 58.180"	73° 38' 49.740"		
Coordinates in UTM					
Sr. No.	Boundary Points	NORTHING	EASTING		
1	B-1	2741819.6917	363416.1574		
2	B-20	2741596.0000	363723.2500		
3	B-19	2740884.0103	363715.3917		
4	B-18	2740768.8997	363640.1473		
5	B-17	2740309.0482	363628.2756		
6	BZ	2739635.0000	363300.0000		
7	B-16	2739419.9355	363139.8920		
8	B-15	2739356.0205	363287.4974		
9	B-14	2739176.9749	363215.0655		

		10	B-13	2738875.3602	363300.9255
		11	B-12	2738882.1162	363397.5376
		12	B-11	2738848.7883	363470.8004
		13	B-10	2738758.3184	363538.5088
		14	B-9	2738491.0403	363538.3864
		15	B-8	2738477.1457	363436.7075
		16	B-7	2738691.2699	363090.6114
		17	B-6	2739351.7228	362903.3484
		18	BY	2739860.0000	363110.0000
		19	2B	2739826.0000	363207.0000
		20	1C	2739777.0000	363190.0000
		21	1B	2739653.0000	363266.0000
		22	1A	2739954.0000	363366.0000
		23	1F	2740028.0000	363341.0000
		24	1E	2740117.0000	363357.0000
		25	1D	2740132.0000	363313.0000
		26	2A	2740076.0000	363293.0000
		27	BX	2740104.5120	363209.4020
		28	B-5	2740165.3291	363234.0922
		29	B-4	2740554.6456	363144.1807
		30	B-3	2740867.1997	363233.8029
		31	B-2	2741578.9986	363235.6453
	Villages	Selu, Bansliyan			
	Tehsil / Taluka	Badgaon			
	District	Udaipur			
	State	Rajasthan			
2.	Area (hectares/square kilometers)	1.15 Sq. km.			
	Mineralised Area	Magnesite mineralisation in the block outcrops as N-S extending series of patches within dolomitic/dolomite marble, these are carbonate-hosted crystalline magnesite. Commonly magnesite strata, lenses and irregular masses are few metres to several metres in strike length. Small dimensions of the magnesite patches (metres to tens of metres) are generally common in the block. In broader way the strike length is about 3 km and width is 0.50 km, Sometimes talc formed due to low temperature metamorphism is present in the area.			
	Non-mineralised Area	-			
3.	Exploration				
	Status (G2/G3/G4etc.)	G-2			
	Exploration Agency	MECL (Mineral Exploration Corporation Ltd.)			
	Total Number of Boreholes with meterage	Exploratory Core Drilling (G-4 Level)- 669.0 m (20 Bhs) Exploratory Core Drilling(G-2 Level)-1350.0 m (43 Bhs) Total Drilling – 2019 m (63 BHs)			
	Borehole Spacing (Density)	Borehole spacing is 70 m to upto 230 m.			

4.	Quantity of Minerals (Grade-wise)	
	Mineral	<p>A total of 14.04 million tonnes (11.78 million tonnes of Indicated category i.e 332 and 2.26 million tonnes Inferred Category i.e 333) of Net In-situ Resource of Magnesite with average grade of 3.70% CaO, 39.99% MgO and 2.06% SiO₂ have been estimated by cross sectional method and 14.85 million tonnes with average grade of 3.66% CaO, 39.95% MgO and 1.97% SiO₂ have been estimated by polygonal method.</p> <p>A total of 25.75 million tonnes of net In-situ Resource of dolomite (grade-6) with average grade of 26.94% CaO, 20.29% MgO, 3.28% SiO₂, 2.40% Fe₂O₃, 0.87% Al₂O₃ and 43.04% LOI have been estimated by cross sectional method and 28.94 million tonnes with average grade 27.35% CaO, 20.26% MgO, 2.84% SiO₂, 2.40% Fe₂O₃, 0.79% Al₂O₃ and 43.65% LOI has been estimated by polygonal method.</p>
	Total Geological Resources	Magnesite -14.85 Million Tonnes.(Polygonal Method) , Dolomite -28.94 Million tonnes.(Polygonal Method)
5.	Mineralised Zones	
	Number of Mineral Zones	Magnesite mineralisation in the block outcrops as series of patches within dolomitic/ dolomite marble, these are carbonate-hosted crystalline magnesite.
	Trend (Dip and Strike)	Strike North-South
	Total Thickness	
6.	Accessibility	
	Nearest Rail Head	The nearest railhead is Udaipur City about 33 km south of Selu village.
	Road	The Selu block is well connected by roads and can be approached from district headquarter Udaipur through National Highway-27 Udaipur-Gogunda road up to the Iswal village and further through moterable village roads.
	Airport	The nearest airport is Dabok (Udaipur) which is about 43 km from Selu.
7.	Hydrography	
	Local Surface Drainage Pattern (Channels)	Low ridge trending almost N-S direction with undulating terrain and isolated hillocks are present in the Selu block.
	Rivers/Streams	There is dendritic pattern of drainage forming few seasonal nalas. In northern portion flow of streams are in N-E direction and in the southern portion almost in S-E direction. Ponds, tube wells and dug wells are the major ground water sources of the study area.
8.	Climate	
	Mean Annual Rainfall	The area annually receives around 587 mm of rainfall.
	Temperatures (December)	5–10°C.
	Temperatures (June)	35 °C to 42°C

9.	Topography	
	Toposheet Number	45 H/ 09
	Morphology of the Area	There are some narrow valley portions between the foot-hills of the ridges. The highest peak of 761 m from mean sea level is in the southern portion near borehole No. MMS-12 drilled by MECL. The general ground level is around 726 m from mean sea level.

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

	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 mine opening	
8.	Permission of installation/trial operation of equipment	
9.	Groundwater 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.	Grama Sabha consent	
15.	Any other clearances to start mining operation	

PART C – PARTICULARS OF LAND

	LandType	Area(inHectares)
1.	TotalConcessionArea	1.15 Sq.km. (115 Hect.) *
2.	ForestLandwithStatus	There is no forest area in the block.
3.	Government Land with Status	55.0636 (Hect.)
4.	Private Land with Status	52.6123 (Hect.)
5.	Others	7.0384 (Hect.)
6	Angore land	-
7	DPAP Bhed vikas	-
8	Nadi (Talab)	-
9	Paal/ bala	-
10.	Revenue survey details of the area	114.714 Hect. <u>Enclosure as Annexure :-</u> - Revenue Certificate - Khasra details - Joint demarcation report <u>Plates :-</u> - Map of Block Superimposed on Khasra - Digital Map of Block Superimposed on Khasra

- Demarcated area is 1.15 Sq. km. while as per revenue superimposition it comes to be 114.7143 Hectares probably due to projection difference.