

Summary of Mineral Block
Part A- GENERAL INFORMATION ABOUT MINERAL BLOCK

Sl. No.	Features	Details
1.	Location	
	Mineral Block	Alathiyur Limestone Block
	Corner Points (Latitude Longitude)	See Appendix 1
	Villages	Alathiyur and Adhanakurichi
	Tehsil/Taluka	Sendurai
	District	Ariyalur
	State	Tamil Nadu
2.	Area (Hectares/ Square Kilometres)	139.72 Ha
	Mineralised Area	139.72 Ha
	Non-Mineralised Area	Nil
3.	Exploration	
	Status	G2
	Exploration Agency	Mineral Exploration Corporation Limited
	Total Number of Boreholes with meterage	7 boreholes 590 meter
	Borehole Spacing (Density)	400 m, 400+ meter
4	Quantity of Minerals (Grade-wise)	
	Cement Grade Limestone (> 44% CaO)	Total Resources- 99821716.18 MT Indicated Resources (332)- 87862298.8 MT (CaO%- 48.89, MgO%- 0.45, SiO ₂ %-7.51) Inferred Resources (333)- 11959417.38 MT (CaO%- 48.36, MgO%- 0.46, SiO ₂ %-8.08)
	Threshold Grade (34% to 38% CaO)	Total Resources: 23154412.09 MT Indicated Resources (332)- 21695075.38 mt (CaO%- 38.19, MgO%- 0.79, SiO ₂ %-22.05) Inferred Resources (333)- 1459336.71 MT (CaO%- 37.79, MgO%- 0.82, SiO ₂ %-22.99)
	Total Resources	122976128.27 MT (CaO%- 46.82, MgO%- 0.51, SiO ₂ %-10.32)
5	Mineralised Zones	
	Number of mineral zones	Three
	Trend (Dip and Strike)	Strike- NE-SW Dip- 2 ⁰ to 5 ⁰ due east/south east
	Total Thickness	Cement Grade Limestone- (Minimum- 9 m, Maximum- 37 m) Threshold Grade Limestone- (Minimum 1 m, Maximum- 8 m)
6	Accessibility	
	Nearest Rail Head	Pennadam, 10 Km
	Road	10 Km from Sendurai, Taluka town
	Airport	120 Km from Tiruchirappalli,
7	Hydrography	

	Local Surface Drainage Pattern (Channels)	-
	Rivers/Streams	No perennial river/streams
8	Climate	
	Mean Annual Rainfall	Approximately 600-1100 mm/annum
	Temperatures (December) Temperatures (June)	>20 ⁰ C 46 ⁰ C
9	Topography	
	Toposheet No.	58 M/7
	Morphology of the Area	Gently Sloping

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

<i>Sl. No.</i>	<i>Particulars</i>	<i>Details/ Status</i>
1	Forest clearance	As Applicable
2	Wild life clearance (sanctuary, reserve or special zone clearances)	As Applicable
3	Mining Plan Approval	To be obtained by the Preferred / Successful Bidder
4	Environmental clearance	To be obtained by the Preferred / Successful Bidder
5	Consent to establish	To be obtained by the Preferred / Successful Bidder
6	Explosive license	To be obtained by the Preferred / Successful Bidder
7	Permission for mine opening	To be obtained by the Preferred / Successful Bidder
8	Permission of installation/ trial operation of equipment	To be obtained by the Preferred / Successful Bidder
9	Ground water clearance (Centre/State)	To be obtained by the Preferred / Successful Bidder
10	Railway siding approval	To be obtained by the Preferred / Successful Bidder
11	Approval for diesel storage	To be obtained by the Preferred / Successful Bidder
12	Power line from State Discom	To be obtained by the Preferred / Successful Bidder
13	Clearances relating to work under an existing transmission line or shifting of the transmission line	To be obtained by the Preferred / Successful Bidder
14	Grama Sabha consent	To be obtained by the Preferred / Successful Bidder
15	Any other clearances to start mining operation	To be obtained by the Preferred / Successful Bidder

PART C – PARTICULARS OF LAND

Area		Details
1.	Total Concession Area	139.72 Ha
2.	Forest Land with Status	Nil
3.	Land owned by the State Government	13.391 Ha
4.	Land not owned by the State Government	126.329 Ha
5.	Revenue survey details of the area	As per Attached Cadastral Plan

Appendix 1: Block Boundary Corner Points

WGS 84 spheroid and datum

Sl.No	Latitude	Longitude	Northing	Easting
1	11°21'39.53"N	79°15'10.10"E	1256467	309338.3
2	11°21'44.07"N	79°15'10.82"E	1256606	309361
3	11°21'43.99"N	79°15'12.82"E	1256603	309421.6
4	11°21'48.89"N	79°15'13.49"E	1256754	309442.9
5	11°21'49.48"N	79°15'16.42"E	1256771	309531.8
6	11°21'51.77"N	79°15'16.52"E	1256842	309535.3
7	11°21'53.27"N	79°15'11.76"E	1256889	309391.2
8	11°21'57.24"N	79°15'12.72"E	1257010	309421.1
9	11°21'57.43"N	79°15'11.04"E	1257017	309370.1
10	11°21'59.39"N	79°15'11.12"E	1257077	309372.9
11	11°22'03.12"N	79°15'12.03"E	1257191	309401.2
12	11°22'04.20"N	79°15'12.70"E	1257224	309421.7
13	11°22'07.14"N	79°15'13.74"E	1257314	309453.8
14	11°22'08.34"N	79°15'14.39"E	1257351	309473.7
15	11°22'11.08"N	79°15'14.59"E	1257435	309480.3
16	11°22'13.40"N	79°15'15.02"E	1257507	309493.8
17	11°22'12.74"N	79°15'18.32"E	1257486	309593.7
18	11°22'11.01"N	79°15'20.05"E	1257432	309645.8
19	11°22'10.31"N	79°15'21.38"E	1257411	309686
20	11°22'14.29"N	79°15'22.79"E	1257533	309729.5
20	11°22'14.29"N	79°15'22.79"E	1257533	309729.5
21	11°22'14.01"N	79°15'26.67"E	1257523	309847.1
22	11°22'13.40"N	79°15'27.68"E	1257504	309877.6
23	11°22'13.38"N	79°15'28.50"E	1257504	309902.5
24	11°22'11.82"N	79°15'28.46"E	1257456	309901
25	11°22'11.64"N	79°15'29.59"E	1257450	309935.2
26	11°22'09.16"N	79°15'29.68"E	1257374	309937.5
27	11°22'08.13"N	79°15'37.83"E	1257341	310184.4
28	11°22'09.53"N	79°15'37.99"E	1257384	310189.5
29	11°22'09.53"N	79°15'38.43"E	1257383	310202.9
30	11°22'13.37"N	79°15'39.41"E	1257501	310233.3
31	11°22'13.23"N	79°15'40.44"E	1257497	310264.5
32	11°22'14.60"N	79°15'40.71"E	1257539	310272.9
33	11°22'13.64"N	79°15'45.20"E	1257509	310408.9
34	11°22'14.13"N	79°15'45.28"E	1257524	310411.4
35	11°22'13.63"N	79°15'47.92"E	1257508	310491.3
36	11°22'12.16"N	79°15'50.60"E	1257462	310572.3
37	11°22'10.56"N	79°15'55.30"E	1257412	310714.5
38	11°22'05.65"N	79°15'54.62"E	1257261	310693
39	11°22'06.02"N	79°15'53.67"E	1257273	310664.3
40	11°22'05.75"N	79°15'53.41"E	1257265	310656.4
41	11°22'05.47"N	79°15'53.33"E	1257256	310653.9

Sl.No	Latitude	Longitude	Northing	Easting
42	11°21'58.85"N	79°15'51.70"E	1257053	310603.2
43	11°21'57.97"N	79°15'51.76"E	1257026	310604.9
44	11°21'56.18"N	79°15'47.18"E	1256972	310465.7
45	11°21'52.18"N	79°15'48.09"E	1256849	310492.6
46	11°21'52.47"N	79°15'44.91"E	1256858	310396.2
47	11°21'48.32"N	79°15'44.13"E	1256731	310371.8
48	11°21'47.28"N	79°15'44.24"E	1256699	310374.9
49	11°21'45.87"N	79°15'44.12"E	1256655	310371
50	11°21'45.88"N	79°15'44.43"E	1256656	310380.4
51	11°21'46.97"N	79°15'44.53"E	1256689	310383.7
52	11°21'46.76"N	79°15'46.67"E	1256682	310448.5
53	11°21'43.04"N	79°15'45.61"E	1256568	310415.7
54	11°21'40.20"N	79°15'44.70"E	1256481	310387.6
55	11°21'35.44"N	79°15'43.60"E	1256335	310353.3
56	11°21'35.03"N	79°15'43.35"E	1256322	310345.7
57	11°21'29.84"N	79°15'42.69"E	1256163	310324.7
58	11°21'27.78"N	79°15'42.66"E	1256100	310323.4
59	11°21'25.65"N	79°15'42.25"E	1256034	310310.6
60	11°21'25.63"N	79°15'40.61"E	1256034	310260.9
61	11°21'27.04"N	79°15'32.23"E	1256079	310007
62	11°21'27.09"N	79°15'32.13"E	1256080	310004
63	11°21'27.27"N	79°15'31.46"E	1256086	309983.7
64	11°21'27.33"N	79°15'27.89"E	1256089	309875.5
65	11°21'27.56"N	79°15'28.55"E	1256096	309895.6
66	11°21'27.83"N	79°15'24.01"E	1256105	309758
67	11°21'29.78"N	79°15'21.94"E	1256165	309695.5
68	11°21'30.42"N	79°15'24.30"E	1256184	309767.2
69	11°21'32.14"N	79°15'23.59"E	1256237	309746
70	11°21'32.89"N	79°15'23.25"E	1256260	309735.8
71	11°21'32.94"N	79°15'22.19"E	1256262	309703.7
72	11°21'32.39"N	79°15'22.00"E	1256245	309697.8
73	11°21'32.62"N	79°15'21.22"E	1256252	309674.2
74	11°21'33.15"N	79°15'20.34"E	1256269	309647.7
75	11°21'33.49"N	79°15'18.02"E	1256280	309577.4
76	11°21'33.74"N	79°15'16.53"E	1256288	309532.2
77	11°21'35.38"N	79°15'14.10"E	1256339	309458.9
78	11°21'36.03"N	79°15'14.45"E	1256358	309469.6
79	11°21'36.78"N	79°15'12.99"E	1256382	309425.5

**LAND SCHEDULE MAP OF ALATHIYUR LIMESTONE BLOCK
TAHSIL – SENDURAI, DIST. – ARIYALUR, (TN),
(Map Attached)**

