Summary of the Mineral Block

PART A – GENERAL INFORMATION ABOUT MINERAL BLOCK

	Features	Details
1.	**Location**	
	Mineral Block	Kesla
	Corner Points (Latitude, Longitude)	See Appendix 1
	Villages	Kharora and Kesla
	Tehsil/ Taluka	Tilda Tehsil
	District	Raipur
	State	Chhattisgarh
2.	**Area (hectares/square kilometres)**	
	Mineralised Area	108 ha
	Non-mineralised Area	0 ha
3.	**Exploration**	
	Status (G2/G3/G4 etc.)	G2
	Exploration Agency	Directorate of Geology and Mining
	Total Number of Boreholes with meterage	38 boreholes 1,182.42 meter
	Borehole Spacing (Density)	Approximately 200m
4.	**Quantity of Minerals (Grade-wise)**	
	Limestone	Cement Grade: 23 Mt (45.3% CaO) Cement Grade (Blendable/Beneficable): 41 Mt (41.5% CaO) Blendable Grade: 3 Mt (37.6% CaO)
	Total Geological Resources (Reserves)	67 Mt
5.	**Mineralised Zones**	
	Number of Mineral Zones	One
	Trend (Dip and Strike)	Strike NE-SW, Dip 0^0
	Total Thickness	Average 28.1m
6.	**Accessibility**	
	Nearest Rail Head	Siliyari Railway Station (21 km)
	Road	40 km from Raipur towards Baloda – Bazar
	Airport	55 km from Raipur Airport
7.	**Hydrography**	
	Local Surface Drainage Pattern (Channels)	Sub-parallel to dendritic
	Rivers/Streams	Khorsi nala
8.	**Climate**	
	Mean Annual Rainfall	Approximately 1200 mm/annum
	Temperatures (December)	17^0 C -25^0 C
	Temperatures (June)	46^0 C
9.	**Topography**	
	Topo Sheet Number	64G/15
	Morphology of the Area	Gently Undulated

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

	Particulars	**Details/Status**
1.	Forest clearance	Not Required
2.	Wild life clearance (sanctuary, reserve or special zone clearances)	Not Required
3.	Mining Plan Approval	To be obtained by the Successful Bidder
4.	Environmental clearance	To be obtained by the Successful Bidder
5.	Consent to establish	To be obtained by the Successful Bidder
6.	Explosive license	To be obtained by the Successful Bidder
7.	Permission for mine opening	To be obtained by the Successful Bidder
8.	Permission of installation/ trial operation of equipment	To be obtained by the Successful Bidder
9.	Ground water clearance (Centre/State)	To be obtained by the Successful Bidder
10.	Railway siding approval	To be obtained by the Successful Bidder
11.	Approval for diesel storage	To be obtained by the Successful Bidder
12.	Power line from State Discom	To be obtained by the Successful Bidder
13.	Clearances relating to work under an existing transmission line or shifting of the transmission line	To be obtained by the Successful Bidder
14.	*Grama Sabha* consent	To be obtained by the Successful Bidder
15.	Any other clearances to start mining	To be obtained by the Successful Bidder

PART C – PARTICULARS OF LAND

	Area	**Details**
1.	Total Concession Area	108.33 ha
2.	Forest Land with Status	NIL
3.	Government Land with Status	9.144 ha
4.	Private Land with Status	99.190 ha
5.	Revenue survey details of the area	Block boundary is demarcated using Differential Geographic Positioning System (DGPS) by Chhattisgarh Council of Science and Technology (CCOST).

Appendix 1: Block Boundary Corner Points

WGS 84 spheroid and datum

PILLAR NO.	EASTING	NORTHING	LATITUDE	LONGITUDE
1	597578.3509	2368977.7874	21° 25' 13.74423" N	81° 56' 29.49717" E
2	597410.8666	2368582.5943	21° 25' 00.92430" N	81° 56' 23.59777" E
3	597205.7527	2368598.7685	21° 25' 01.49024" N	81° 56' 16.47716" E
4	597184.5626	2368176.2141	21° 24' 47.75189" N	81° 56' 15.65348" E
5	596998.5745	2368198.0046	21° 24' 48.49668" N	81° 56' 09.19846" E
6	596994.5152	2367931.3596	21° 24' 39.82554" N	81° 56' 09.00224" E
7	596196.3348	2367924.2877	21° 24' 39.74970" N	81° 55' 41.27961" E
8	596162.2822	2368907.7256	21° 25' 11.74006" N	81° 55' 40.29892" E
A-1	597539.3301	2368885.7147	21° 25' 10.75743" N	81° 56' 28.12269" E
A-2	597500.3094	2368793.6420	21° 25' 07.77062" N	81° 56' 26.74823" E
A-3	597461.2886	2368701.5693	21° 25' 04.78382" N	81° 56' 25.37379" E
A-4	597422.2679	2368609.4966	21° 25' 01.79700" N	81° 56' 23.99936" E
A1	597585.6933	2368975.3701	21° 25' 13.66418" N	81° 56' 29.75169" E
B-1	596261.1612	2368912.6178	21° 25' 11.88013" N	81° 55' 43.73425" E
B-2	596360.0403	2368917.5099	21° 25' 12.02019" N	81° 55' 47.16959" E
B-3	596458.9193	2368922.4021	21° 25' 12.16023" N	81° 55' 50.60492" E
B-4	596557.7984	2368927.2943	21° 25' 12.30024" N	81° 55' 54.04026" E
B-5	596656.6774	2368932.1864	21° 25' 12.44024" N	81° 55' 57.47559" E
B-6	596755.5565	2368937.0786	21° 25' 12.58021" N	81° 56' 00.91093" E
B-7	596854.4355	2368941.9708	21° 25' 12.72017" N	81° 56' 04.34627" E
B-8	596953.3146	2368946.8629	21° 25' 12.86011" N	81° 56' 07.78161" E
B-9	597052.1936	2368951.7551	21° 25' 13.00003" N	81° 56' 11.21695" E
B-10	597151.0727	2368956.6473	21° 25' 13.13993" N	81° 56' 14.65229" E
B-11	597249.9517	2368961.5394	21° 25' 13.27980" N	81° 56' 18.08763" E
B-12	597348.8308	2368966.4316	21° 25' 13.41966" N	81° 56' 21.52298" E
B-13	597447.7098	2368971.3237	21° 25' 13.55950" N	81° 56' 24.95832" E
B-14	597546.5889	2368976.2159	21° 25' 13.69932" N	81° 56' 28.39367" E
C-1	596192.9089	2368023.2284	21° 24' 42.96816" N	81° 55' 41.18095" E
C-2	596189.4830	2368122.1691	21° 24' 46.18661" N	81° 55' 41.08229" E
C-3	596186.0570	2368221.1098	21° 24' 49.40506" N	81° 55' 40.98362" E
C-4	596182.6311	2368320.0505	21° 24' 52.62352" N	81° 55' 40.88496" E
C-5	596179.2052	2368418.9913	21° 24' 55.84197" N	81° 55' 40.78629" E
C-6	596175.7792	2368517.9320	21° 24' 59.06042" N	81° 55' 40.68763" E
C-7	596172.3533	2368616.8727	21° 25' 02.27888" N	81° 55' 40.58897" E
C-8	596168.9274	2368715.8134	21° 25' 05.49733" N	81° 55' 40.49030" E
C-9	596165.5014	2368814.7541	21° 25' 08.71578" N	81° 55' 40.39163" E
D-1	596895.5191	2367930.4825	21° 24' 39.81620" N	81° 56' 05.56389" E
D-2	596796.5230	2367929.6054	21° 24' 39.80685" N	81° 56' 02.12552" E
D-3	596697.5269	2367928.7283	21° 24' 39.79747" N	81° 55' 58.68716" E
D-4	596598.5307	2367927.8512	21° 24' 39.78807" N	81° 55' 55.24880" E
D-5	596499.5346	2367926.9741	21° 24' 39.77866" N	81° 55' 51.81044" E

PILLAR NO.	EASTING	NORTHING	LATITUDE	LONGITUDE
D-6	596400.5385	2367926.0970	21° 24' 39.76922" N	81° 55' 48.37208" E
D-7	596301.5424	2367925.2199	21° 24' 39.75977" N	81° 55' 44.93371" E
D-8	596202.5463	2367924.3428	21° 24' 39.75030" N	81° 55' 41.49535" E
E-1	596997.0676	2368099.0161	21° 24' 45.27763" N	81° 56' 09.12561" E
E-2	596995.5606	2368000.0275	21° 24' 42.05858" N	81° 56' 09.05277" E
F-1	597086.2352	2368187.7342	21° 24' 48.14565" N	81° 56' 12.24087" E
G-1	597200.7943	2368499.8927	21° 24' 58.27553" N	81° 56' 16.28442" E
G-2	597195.8359	2368401.0170	21° 24' 55.06082" N	81° 56' 16.09168" E
G-3	597190.8776	2368302.1412	21° 24' 51.84611" N	81° 56' 15.89894" E
G-4	597185.9192	2368203.2655	21° 24' 48.63140" N	81° 56' 15.70621" E
H-1	597311.1760	2368590.4554	21° 25' 01.19937" N	81° 56' 20.13697" E
H-2	597211.4855	2368598.3164	21° 25' 01.47442" N	81° 56' 16.67617" E

Annexure - IX

LAND SCHEDULE MAP OF KESLA PROSPECTING BLOCK OF LIMESTONE
TAHSIL - TILDA, DIST. - RAIPUR, (CG)

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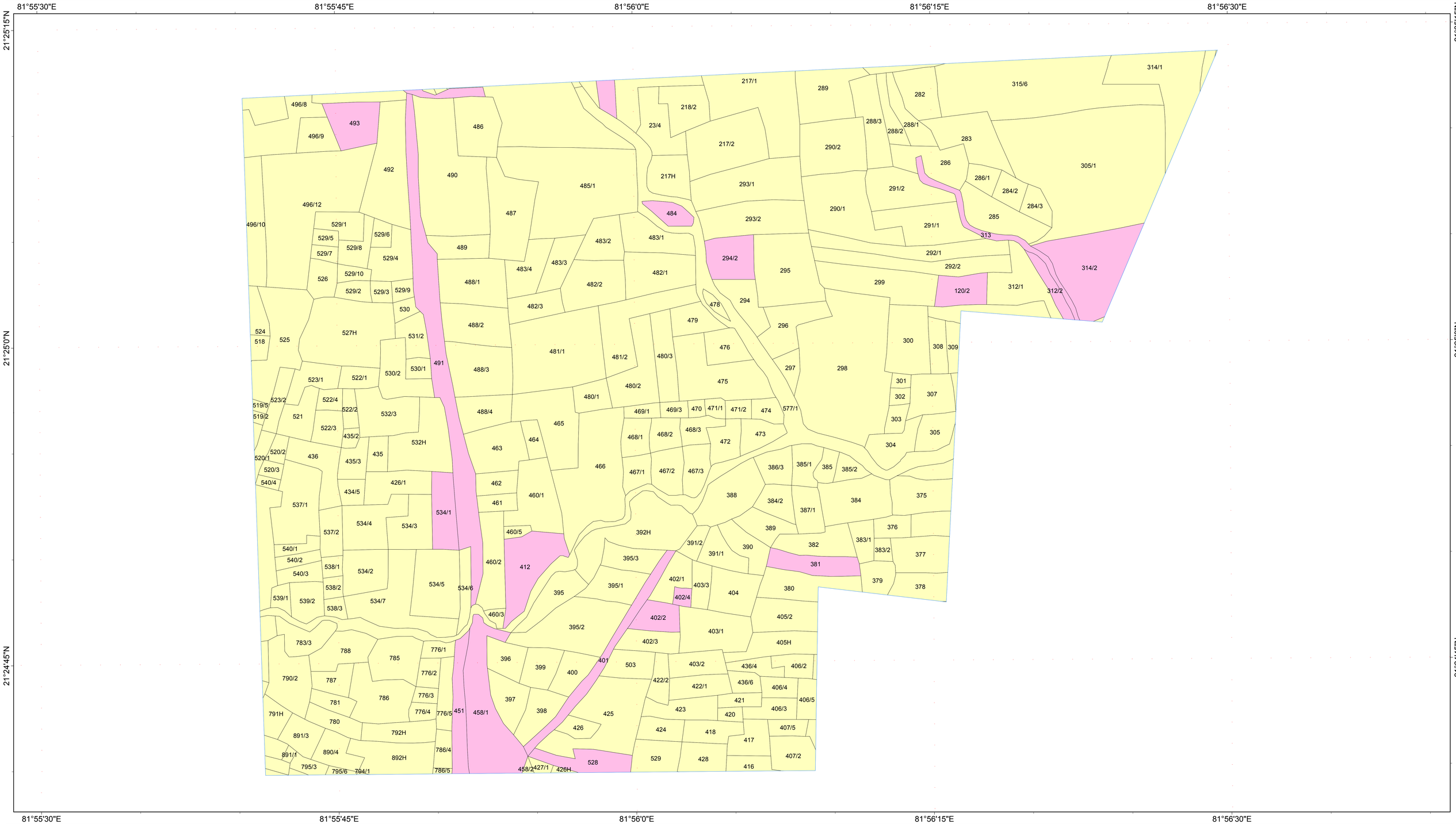

GOVERNMENT LAND	:	9.144 Hc
PRIVATE LAND	:	99.190 Hc
TOATAL AREA	:	**108.335 Ha**

0 62.5 125 250 375 500 Meters

GOVERNMENT LAND
PRIVATE LAND
DGPS_SURVEY_AREA

DGPS Survey Conducted & Map Prepared By
Nŕrhlŕx< vŕrfj{k vui;;ix dŭn
Chhattisgarh Council of Science & Technology
MIG - 25, Indravati Colony, Raipur, C.G.

Source : http://cg.nic.in/bhunakshaweb/