Summary of the Mineral Block

PART A – GENERAL INFORMATION ABOUT MINERAL BLOCK

	Features	Details
1.	**Location**	
	Mineral Block	Karhi Chandi
	Corner Points (Latitude, Longitude)	See Appendix 1
	Villages	Karhi and Chandi
	Tehsil/ Taluka	Simga
	District	Balodabazar-Bhatapara
	State	Chhattisgarh
2.	**Area (hectares/square kilometres)**	
	Mineralised Area	242.127 ha
	Non-mineralised Area	0 ha
3.	**Exploration**	
	Status (G2/G3/G4 etc.)	G2
	Exploration Agency	Directorate of Geology and Mining, Chhattisgarh
	Total Number of Boreholes with meterage	54 boreholes 1625.43 meter
	Borehole Spacing (Density)	Approximately 300 m
4.	**Quantity of Minerals (Grade-wise)**	
	Limestone	Cement Grade: 87 Mt Cement Grade (Blendable/Beneficable): 67 Mt Blendable Grade: 1 Mt
	Total Geological Resources (Reserves)	155 Mt
5.	**Mineralised Zones**	
	Number of Mineral Zones	One
	Trend (Dip and Strike)	Horizontal
	Total Thickness	Average 15.7m
6.	**Accessibility**	
	Nearest Rail Head	Hathbandh (22 km)
	Road	15 km from Baloda Bazar 100 km from Raipur
	Airport	120 km from Raipur Airport
7.	**Hydrography**	
	Local Surface Drainage Pattern (Channels)	Dendritic
	Rivers/Streams	Karhi tank and Banjari 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	64K/2
	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 operation	To be obtained by the Successful Bidder

PART C – PARTICULARS OF LAND

	Area	**Details**
1.	Total Concession Area	242.127 ha
2.	Forest Land with Status	NIL
3.	Government Land with Status	20.331 ha
4.	Private Land with Status	221.796 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

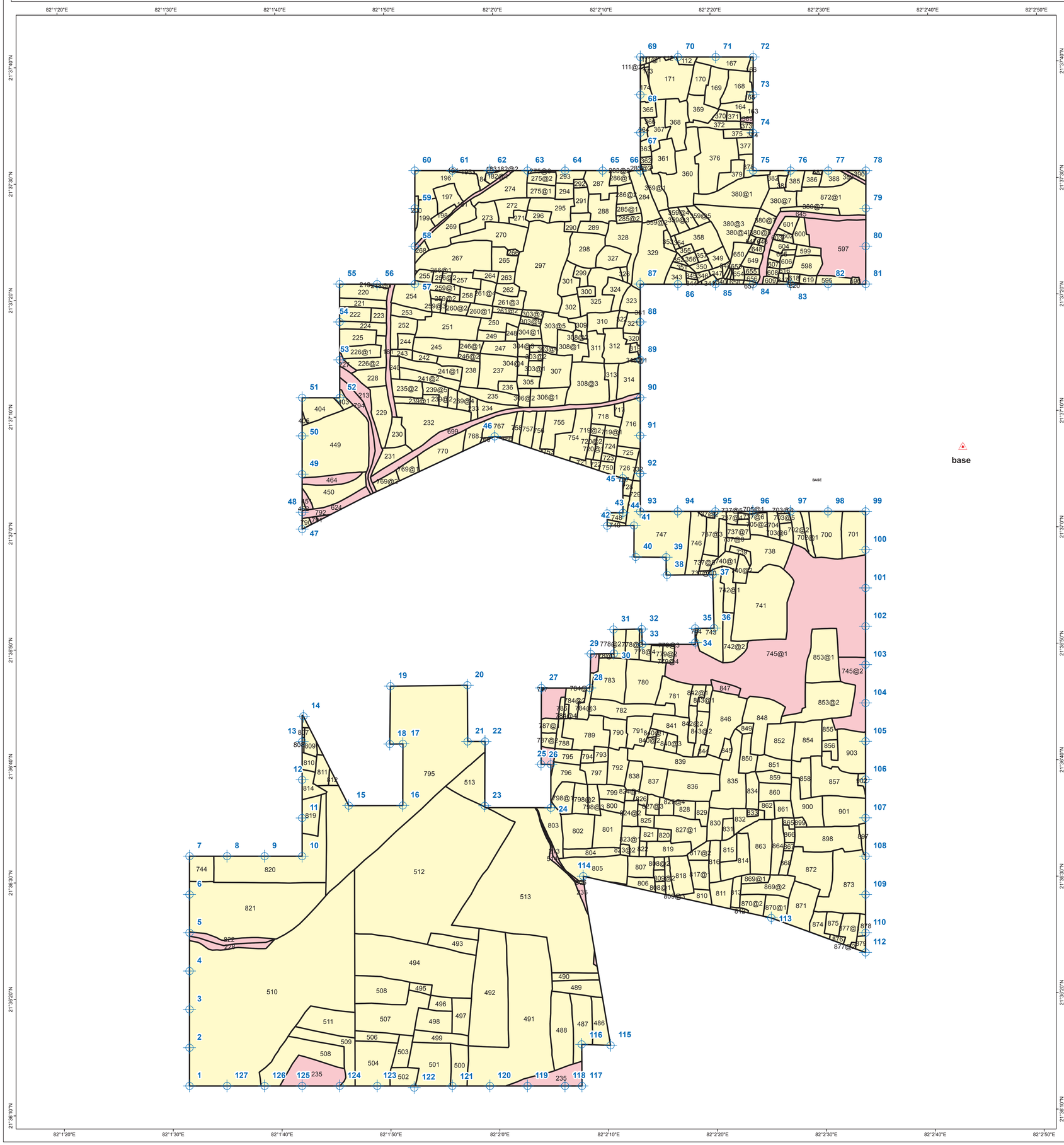
WGS 84 spheroid and datum

Pillar Number	Geographic Coordinate		UTM Coordinate	
	LATITUDE	LONGITUDE	EASTING	NORTHING
1	21^{0}36' 12.470" N	82^{0}1' 31.413" E	606137.7707	2389286.738
2	21^{0}36' 15.759" N	82^{0}1' 31.437" E	606137.7707	2389387.874
3	21^{0}36' 19.048" N	82^{0}1' 31.460" E	606137.7707	2389489.011
4	21^{0}36' 22.337" N	82^{0}1' 31.483" E	606137.7707	2389590.147
5	21^{0}36' 25.626" N	82^{0}1' 31.506" E	606137.7707	2389691.283
6	21^{0}36' 28.915" N	82^{0}1' 31.529" E	606137.7707	2389792.42
7	21^{0}36' 32.204" N	82^{0}1' 31.552" E	606137.7707	2389893.556
8	21^{0}36' 32.183" N	82^{0}1' 35.003" E	606236.9863	2389893.556
9	21^{0}36' 32.162" N	82^{0}1' 38.453" E	606336.2019	2389893.556
10	21^{0}36' 32.141" N	82^{0}1' 41.904" E	606435.4175	2389893.556
11	21^{0}36' 35.420" N	82^{0}1' 41.927" E	606435.4175	2389994.408
12	21^{0}36' 38.700" N	82^{0}1' 41.950" E	606435.4175	2390095.261
13	21^{0}36' 41.980" N	82^{0}1' 41.973" E	606435.4175	2390196.113
14	21^{0}37' 1.659" N	82^{0}1' 42.112" E	606435.4175	2390801.226
15	21^{0}37' 4.938" N	82^{0}1' 42.134" E	606435.3778	2390902.079
16	21^{0}37' 8.218" N	82^{0}1' 42.156" E	606435.3372	2391002.931
17	21^{0}37' 11.498" N	82^{0}1' 42.178" E	606435.2965	2391103.783
18	21^{0}37' 11.477" N	82^{0}1' 45.629" E	606534.539	2391103.783
19	21^{0}37' 14.729" N	82^{0}1' 45.651" E	606534.5077	2391203.783
20	21^{0}37' 17.981" N	82^{0}1' 45.673" E	606534.4763	2391303.783
21	21^{0}37' 21.233" N	82^{0}1' 45.695" E	606534.445	2391403.783
22	21^{0}37' 21.212" N	82^{0}1' 49.148" E	606633.7144	2391403.783
23	21^{0}37' 21.190" N	82^{0}1' 52.600" E	606732.9837	2391403.783
24	21^{0}37' 24.442" N	82^{0}1' 52.623" E	606732.9703	2391503.783
25	21^{0}37' 27.694" N	82^{0}1' 52.645" E	606732.9569	2391603.783
26	21^{0}37' 30.946" N	82^{0}1' 52.668" E	606732.9435	2391703.783
27	21^{0}37' 30.925" N	82^{0}1' 56.122" E	606832.2397	2391703.783
28	21^{0}37' 30.903" N	82^{0}1' 59.575" E	606931.536	2391703.783
29	21^{0}37' 30.882" N	82^{0}2' 3.029" E	607030.8323	2391703.783
30	21^{0}37' 30.860" N	82^{0}2' 6.482" E	607130.1285	2391703.783
31	21^{0}37' 30.839" N	82^{0}2' 9.936" E	607229.4248	2391703.783
32	21^{0}37' 30.817" N	82^{0}2' 13.389" E	607328.721	2391703.783
33	21^{0}37' 34.069" N	82^{0}2' 13.414" E	607328.7614	2391803.783
34	21^{0}37' 37.322" N	82^{0}2' 13.439" E	607328.8018	2391903.783
35	21^{0}37' 40.574" N	82^{0}2' 13.463" E	607328.8422	2392003.783
36	21^{0}37' 40.552" N	82^{0}2' 16.918" E	607428.1653	2392003.783
37	21^{0}37' 40.530" N	82^{0}2' 20.372" E	607527.4885	2392003.783
38	21^{0}37' 40.509" N	82^{0}2' 23.827" E	607626.8116	2392003.783
39	21^{0}37' 37.257" N	82^{0}2' 23.801" E	607626.7444	2391903.783
40	21^{0}37' 34.005" N	82^{0}2' 23.776" E	607626.6771	2391803.783
41	21^{0}37' 30.753" N	82^{0}2' 23.750" E	607626.6098	2391703.783

Pillar Number	Geographic Coordinate		UTM Coordinate	
	LATITUDE	LONGITUDE	EASTING	NORTHING
42	21°37' 30.731" N	82°2' 27.204" E	607725.9061	2391703.783
43	21°37' 30.709" N	82°2' 30.657" E	607825.2024	2391703.783
44	21°37' 30.688" N	82°2' 34.111" E	607924.4986	2391703.783
45	21°37' 27.436" N	82°2' 34.084" E	607924.4045	2391603.783
46	21°37' 24.184" N	82°2' 34.057" E	607924.3103	2391503.783
47	21°37' 20.932" N	82°2' 34.031" E	607924.2162	2391403.783
48	21°37' 20.953" N	82°2' 30.578" E	607824.9468	2391403.783
49	21°37' 20.975" N	82°2' 27.126" E	607725.6774	2391403.783
50	21°37' 20.997" N	82°2' 23.673" E	607626.408	2391403.783
51	21°37' 21.018" N	82°2' 20.221" E	607527.1387	2391403.783
52	21°37' 21.040" N	82°2' 16.768" E	607427.8693	2391403.783
53	21°37' 21.061" N	82°2' 13.316" E	607328.5999	2391403.783
54	21°37' 17.809" N	82°2' 13.291" E	607328.5596	2391303.783
55	21°37' 14.557" N	82°2' 13.266" E	607328.5192	2391203.783
56	21°37' 11.305" N	82°2' 13.242" E	607328.4788	2391103.783
57	21°37' 8.053" N	82°2' 13.217" E	607328.4385	2391003.783
58	21°37' 4.801" N	82°2' 13.193" E	607328.3981	2390903.783
59	21°37' 1.549" N	82°2' 13.168" E	607328.3577	2390803.783
60	21°37' 1.527" N	82°2' 16.618" E	607427.5733	2390803.783
61	21°37' 1.506" N	82°2' 20.069" E	607526.7889	2390803.783
62	21°37' 1.484" N	82°2' 23.520" E	607626.0045	2390803.783
63	21°37' 1.463" N	82°2' 26.970" E	607725.22	2390803.783
64	21°37' 1.441" N	82°2' 30.421" E	607824.4356	2390803.783
65	21°37' 1.420" N	82°2' 33.871" E	607923.6512	2390803.783
66	21°36' 58.131" N	82°2' 33.848" E	607923.6512	2390702.647
67	21°36' 54.842" N	82°2' 33.824" E	607923.6512	2390601.511
68	21°36' 51.553" N	82°2' 33.800" E	607923.6512	2390500.374
69	21°36' 48.263" N	82°2' 33.777" E	607923.6512	2390399.238
70	21°36' 44.974" N	82°2' 33.753" E	607923.6512	2390298.102
71	21°36' 41.685" N	82°2' 33.730" E	607923.6512	2390196.965
72	21°36' 38.396" N	82°2' 33.706" E	607923.6512	2390095.829
73	21°36' 35.107" N	82°2' 33.683" E	607923.6512	2389994.692
74	21°36' 31.818" N	82°2' 33.659" E	607923.6512	2389893.556
75	21°36' 28.529" N	82°2' 33.635" E	607923.6512	2389792.42
76	21°36' 25.240" N	82°2' 33.612" E	607923.6512	2389691.283
77	21°36' 12.257" N	82°2' 5.916" E	607129.9265	2389286.738
78	21°36' 12.278" N	82°2' 2.466" E	607030.711	2389286.738
79	21°36' 12.300" N	82°1' 59.015" E	606931.4954	2389286.738
80	21°36' 12.321" N	82°1' 55.565" E	606832.2798	2389286.738
81	21°36' 12.202" N	82°1' 52.065" E	606731.6709	2389282.422
82	21°36' 12.364" N	82°1' 48.665" E	606633.8486	2389286.738
83	21°36' 12.385" N	82°1' 45.214" E	606534.633	2389286.738
84	21°36' 12.406" N	82°1' 41.764" E	606435.4175	2389286.738
85	21°36' 12.428" N	82°1' 38.314" E	606336.2019	2389286.738
86	21°36' 12.449" N	82°1' 34.864" E	606236.9863	2389286.738

Pillar Number	Geographic Coordinate		UTM Coordinate	
	LATITUDE	LONGITUDE	EASTING	NORTHING
87	21°36' 44.147" N	82^{0}1' 42.108" E	606438.8515	2390262.762
88	21°36' 36.453" N	82^{0}1' 46.218" E	606558.589	2390026.977
89	21°36' 36.441" N	82^{0}1' 51.183" E	606701.3705	2390027.567
90	21°36' 41.735" N	82^{0}1' 51.235" E	606701.7695	2390190.353
91	21°36' 41.718" N	82^{0}1' 50.018" E	606666.7981	2390189.595
92	21°36' 46.687" N	82^{0}1' 50.121" E	606668.7415	2390342.382
93	21°36' 46.721" N	82^{0}1' 57.180" E	606871.6858	2390344.781
94	21°36' 41.890" N	82^{0}1' 57.180" E	606872.672	2390196.228
95	21°36' 41.890" N	82^{0}1' 58.773" E	606918.4842	2390196.532
96	21°36' 36.363" N	82^{0}1' 58.716" E	606917.979	2390026.597
97	21°36' 36.159" N	82^{0}2' 4.786" E	607092.5644	2390021.488
98	21°36' 39.885" N	82^{0}2' 4.812" E	607092.5375	2390136.053
99	21°36' 39.902" N	82^{0}2' 3.915" E	607066.7412	2390136.388
100	21°36' 46.438" N	82^{0}2' 3.990" E	607067.5523	2390337.39
101	21°36' 46.412" N	82^{0}2' 8.435" E	607195.3875	2390337.451
102	21°36' 49.342" N	82^{0}2' 8.538" E	607197.7433	2390427.551
103	21°36' 49.368" N	82^{0}2' 10.671" E	607259.0665	2390428.749
104	21°36' 51.424" N	82^{0}2' 10.645" E	607257.9064	2390491.959
105	21°36' 51.449" N	82^{0}2' 13.241" E	607332.5295	2390493.246
106	21°36' 50.139" N	82^{0}2' 13.267" E	607333.5371	2390452.952
107	21°36' 50.267" N	82^{0}2' 18.149" E	607473.901	2390457.84
108	21°36' 51.475" N	82^{0}2' 18.149" E	607473.6531	2390494.978
109	21°36' 51.484" N	82^{0}2' 19.895" E	607523.8415	2390495.595
110	21°36' 56.075" N	82^{0}2' 19.794" E	607519.9976	2390636.736
111	21°36' 56.075" N	82^{0}2' 15.605" E	607399.5588	2390635.932
112	21°36' 57.601" N	82^{0}2' 15.530" E	607397.088	2390682.836
113	21°36' 57.642" N	82^{0}2' 12.727" E	607316.4819	2390683.58
114	21°37' 0.341" N	82^{0}2' 12.599" E	607312.2343	2390766.524
115	21°37' 0.341" N	82^{0}2' 10.132" E	607241.3017	2390766.052
116	21°37' 1.394" N	82^{0}2' 10.132" E	607241.0858	2390798.449
117	21°37' 1.446" N	82^{0}2' 11.586" E	607282.8849	2390800.322
118	21°37' 4.401" N	82^{0}2' 11.596" E	607282.5858	2390891.18
119	21°37' 8.076" N	82^{0}1' 59.852" E	606944.1686	2391001.928
120	21°37' 0.221" N	82^{0}1' 42.102" E	606435.4175	2390757.01
121	21°36' 23.557" N	82^{0}2' 33.600" E	607923.6512	2389639.518
122	21°36' 26.576" N	82^{0}2' 24.964" E	607674.7178	2389730.698
123	21°36' 30.259" N	82^{0}2' 7.716" E	607178.0191	2389840.616
124	21°36' 15.721" N	82^{0}2' 10.124" E	607250.2365	2389394.066
125	21°36' 15.816" N	82^{0}2' 7.473" E	607173.9897	2389396.468
126	21°36' 12.247" N	82^{0}2' 7.473" E	607174.7199	2389286.737

Land Schedule Map of Karhi - Chandi Prospecting Block of LimestoneTehsil - Simga, Dist: Balodabazar-Bhatapara, C.G.



0 40 80 160 240 320 400 Meters

DGPS Pillar point of Base Station DGPS Pillar Point of Prospecting Block Boundary	Prospecring Block Boundary as per DGPS Survey

Private Land 221.796	Actual area after DGPS Survey 242.130 Ha
Government Land 20.331	

DGPS Survey Conducted & Map Prepared By

छत्तीसगढ़ अंतरिक्ष अनुप्रयोग केन्द्र

Chhattisgarh Council of Science & Technology

MIG - 25, Indravati Colony, Raipur, C.G.