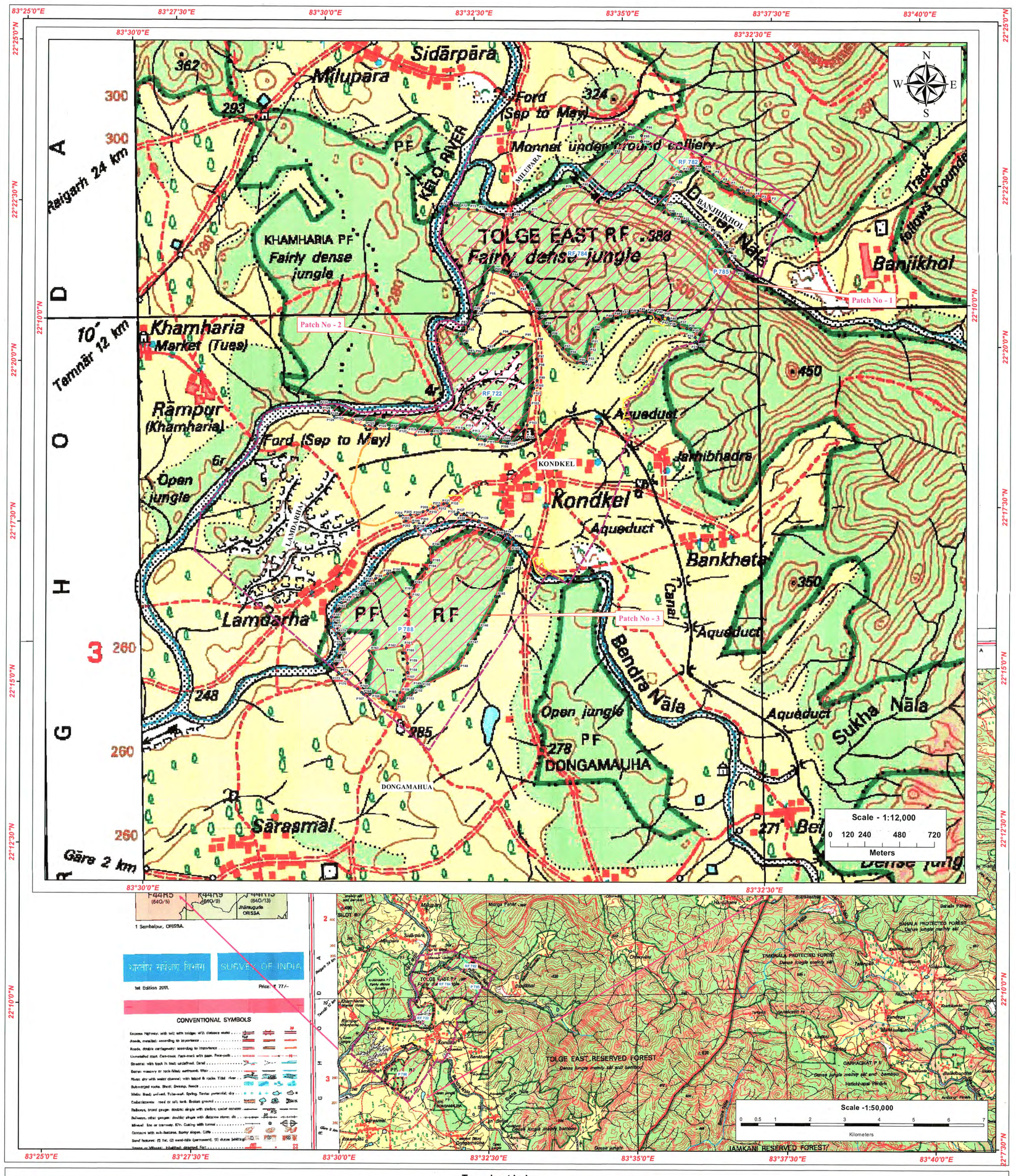
SURVEY OF INDIA MAP SHOWING FOREST AREA OF GARE PALMA IV/5 COAL BLOCK IN DIVISION - RAIGARH, RANGE - TAMNAR, C.G.



Forest Boundary Pillar Coordinates

Sl. No	Pillar Id	Patch No	Easting (m)	Northing (m)	Latitude (°N)	Longitude (°E)
1	P1		762308.188	2454114.764	22°10'20.86337"	83°32'37.38752"
2	P2		762190.958	2454206.158	22°10'23.89674"	83°32'33.35145"
3	P3		762126.150	2454218.739	22°10'24.34081"	83°32'31.09801"
4	P4		762077.759	2454240.312	22°10'25.06807"	83°32'29.42249"
5	P5		762012.377	2454260.334	22°10'25.75421"	83°32'27.15334"
6	P6		761970.850	2454284.025	22°10'26.54657"	83°32'25.71853"
7	P7		761910.835	2454312.021	22°10'27.48884"	83°32'23.64126"
8	P8		761857.001	2454337.483	22°10'28.34545"	83°32'21.77814"
9	P9		761801.684	2454388.114	22°10'30.02060"	83°32'19.87793"
10	P10		761733.356	2454421.681	22°10'31.14842"	83°32'17.51388"
11	P11		761695.149	2454440.081	22°10'31.76702"	83°32'16.19178"
12	P12		761660.993	2454452.372	22°10'32.18496"	83°32'15.00739"
13	P13		761579.903	2454409.144	22°10'30.82446"	83°32'12.15331"
14	P14		761523.716	2454367.760	22°10'29.51034"	83°32'10.16908"
15	P15		761502.786	2454325.298	22°10'28.14203"	83°32'09.41416"
16	P16		761533.093	2454317.298	22°10'27.86565"	83°32'10.46675"
17	P17		761467.331	2454160.328	22°10'22.80112"	83°32'08.08114"
18	P18		761517.807	2454110.839	22°10'21.16574"	83°32'09.81313"
19	P19		761534.532	2454118.086	22°10'21.39214"	83°32'10.40080"
20	P20		761569.309	2454097.107	22°10'20.69158"	83°32'11.60176"
21	P21		761605.158	2454082.547	22°10'20.19903"	83°32'12.84384"
22	P22		761612.196	2454065.528	22°10'19.64224"	83°32'13.07940"
23	P23		761632.756	2454048.804	22°10'19.08767"	83°32'13.78689"
24	P24		761685.030	2454024.366	22°10'18.26525"	83°32'15.59618"
25	P25		761755.958	2454007.720	22°10'17.68582"	83°32'18.06076"
26	P26		761801.988	2453971.420	22°10'16.48136"	83°32'19.64529"
27	P27		761855.027	2453901.762	22°10'14.18920"	83°32'21.45484"
28	P28		761896.440	2453857.149	22°10'12.71715"	83°32'22.87346"
29	P29		761908.649	2453809.899	22°10'11.17526"	83°32'23.27178"
30	P30		761957.728	2453739.076	22°10'08.84743"	83°32'24.94247"
31	P31		761674.539	2453233.093	22°09'52.56110"	83°32'14.76865"
32	P32		761687.141	2453241.198	22°09'52.81762"	83°32'15.21295"
33	P33		761677.728	2453266.227	22°09'53.63596"	83°32'14.89922"
34	P34		761676.050	2453321.346	22°09'55.42780"	83°32'14.87283"
35	P35		761645.764	2453331.276	22°09'55.76689"	83°32'13.82213"
36	P36	Patch - 1	761617.933	2453329.518	22°09'55.72488"	83°32'12.85030"
37	P37		761562.107	2453351.954	22°09'56.48418"	83°32'10.91600"
38	P38		761509.287	2453382.550	22°09'57.50698"	83°32'09.09131"
39	P39		761486.873	2453390.245	22°09'57.76916"	83°32'08.31392"
40	P40		761489.628	2453401.416	22°09'58.13063"	83°32'08.41654"
41	P41		761455.202	2453412.279	22°09'58.50229"	83°32'07.22199"
42	P42		761452.455	2453402.060	22°09'58.17174"	83°32'07.12021"
43	P43		761397.729	2453422.586	22°09'58.86837"	83°32'05.22315"
44	P44		761336.423	2453435.844	22°09'59.33242"	83°32'03.09232"
45	P45		761278.223	2453442.979	22°09'59.59582"	83°32'01.06627"
46	P46		761219.250	2453432.354	22°09'59.28258"	83°31'59.00291"
47	P47		761160.908	2453422.219	22°09'58.98491"	83°31'56.96184"
48	P48		761107.478	2453412.447	22°09'58.69636"	83°31'55.09235"
49	P49		761047.711	2453396.972	22°09'58.22595"	83°31'52.99846"
50	P50		760967.989	2453318.133	22°09'55.70753"	83°31'50.17166"
51	P51		760949.728	2453220.706	22°09'52.55183"	83°31'49.47797"
52	P52		760938.045	2453160.109	22°09'50.58925"	83°31'49.03519"
53	P53		760926.826	2453100.908	22°09'48.67177"	83°31'48.60943"
54	P54		760904.596	2453086.724	22°09'48.22293"	83°31'47.82576"
55	P55		760863.184	2453091.922	22°09'48.41426"	83°31'46.38421"
56	P56		760801.110	2453145.532	22°09'50.18977"	83°31'44.25006"
57	P57		760759.013	2453185.016	22°09'51.49547"	83°31'42.80455"
58	P58		760671.854	2453275.036	22°09'54.46758"	83°31'39.81649"
59	P59		760623.746	2453343.194	22°09'56.70819"	83°31'38.17793"
60	P60		760594.470	2453393.963	22°09'58.37362"	83°31'37.18617"
61	P61		760558.537	2453443.986	22°10'00.01839"	83°31'35.96177"
62	P62		760523.106	2453492.432	22°10'01.61168"	83°31'34.75395"
63	P63		760451.161	2453579.295	22°10'04.47295"	83°31'32.29467"
64	P64		760395.664	2453680.050	22°10'07.77669"	83°31'30.41720"
65	P65		760273.216	2453715.303	22°10'08.98832"	83°31'26.16617"
66	P66		760237.813	2453548.585	22°10'03.59044"	83°31'24.83446"
67	P67		760208.727	2453496.165	22°10'01.90292"	83°31'23.78940"
68	P68		760154.058	2453455.905	22°10'00.62432"	83°31'21.85901"
69	P69		760129.917	2453443.716	22°10'00.24132"	83°31'21.00982"
70	P70		759955.090	2454164.994	22°10'23.77156"	83°31'15.32921"
71	P71		759987.349	2454168.813	22°10'23.87823"	83°31'16.45680"
72	P72		760040.042	2454152.519	22°10'23.32036"	83°31'18.28556"
73	P73		760102.998	2454147.384	22°10'23.11951"	83°31'20.47882"
74	P74		760163.768	2454141.390	22°10'22.89192"	83°31'22.59531"
75	P75		760347.022	2454091.097	22°10'21.15874"	83°31'28.95896"
76	P76		760409.049	2454090.779	22°10'21.11487"	83°31'31.12259"
77	P77		760526.910	2454128.934	22°10'22.29086"	83°31'35.25633"
78	P78		760629.528	2454184.305	22°10'24.03442"	83°31'38.86834"
79	P79	Patch - 1	760764.296	2454285.246	22°10'27.24121"	83°31'43.62843"
80	P80		760882.045	2454302.212	22°10'27.72870"	83°31'47.74602"
81	P81		761031.930	2454457.528	22°10'32.69397"	83°31'53.06521"
82	P82		761102.026	2454530.166	22°10'35.01609"	83°31'55.55285"
83	P83		761201.312	2454626.527	22°10'38.09317"	83°31'59.07265"
84	P84		761304.829	2454616.274	22°10'37.70387"	83°32'02.67797"
85	P85		761306.075	2454658.051	22°10'39.06059"	83°32'02.74578"
86	P86		761323.170	2454694.499	22°10'40.23558"	83°32'03.36341"
87	P87		760084.988	2453351.440	22°09'57.26732"	83°31'19.38903"
88	P88		760093.104	2453298.660	22°09'55.54802"	83°31'19.64154"
89	P89		760029.153	2453266.221	22°09'54.52854"	83°31'17.39192"
90	P90		760055.547	2453219.440	22°09'52.99428"	83°31'18.28550"
91	P91		760110.695	2453151.812	22°09'50.76711"	83°31'20.17003"
92	P92		760142.050	2453149.037	22°09'50.66003"	83°31'21.26220"
93	P93		760222.528	2453182.671	22°09'51.70938"	83°31'24.08900"
94	P94		760330.240	2453287.335	22°09'55.05194"	83°31'27.90705"
95	P95		760486.049	2453263.989	22°09'54.20915"	83°31'33.32862"
96	P96		760569.615	2453235.522	22°09'53.23900"	83°31'36.22713"
97	P97		760576.394	2453115.245	22°09'49.32729"	83°31'36.39375"
98	P98		760579.248	2453056.876	22°09'47.42922"	83°31'36.45941"
99	P99		760583.714	2452969.997	22°09'44.60393"	83°31'36.56474"
100	P100		760560.565	2452915.385	22°09'42.84200"	83°31'35.72554"
101	P101		760542.253	2452860.592	22°09'41.07156"	83°31'35.05496"
102	P102		760529.815	2452793.946	22°09'38.91283"	83°31'34.58240"
103	P103		760515.103	2452656.679	22°09'34.46070"	83°31'33.98954"
104	P104		760495.803	2452555.484	22°09'31.18310"	83°31'33.25759"
105	P105		760440.776	2452532.916	22°09'30.47956"	83°31'31.32507"
106	P106		760390.076	2452543.505	22°09'30.85102"	83°31'29.56272"
107	P107		760382.093	2452536.254	22°09'30.61974"	83°31'29.28004"
108	P108	Patch - 2	760331.851	2452544.909	22°09'30.92811"	83°31'27.53256"
109	P109		760283.215	2452545.683	22°09'30.97951"	83°31'25.83648"
110	P110		760227.122	2452553.994	22°09'31.27985"	83°31'23.88474"
111	P111		760223.194	2452549.221	22°09'31.12692"	83°31'23.74492"
112	P112		760172.143	2452556.590	22°09'31.39390"	83°31'21.96845"
113	P113		760122.526	2452605.309	22°09'33.00367"	83°31'20.26597"
114	P114		760077.067	2452633.307	22°09'33.93793"	83°31'18.69649"
115	P115		760002.042	2452618.737	22°09'33.50500"	83°31'16.07104"
116	P116		759916.838	2452596.198	22°09'32.81864"	83°31'13.08590"
117	P117		759853.006	2452595.138	22°09'32.81864"	83°31'10.85872"
118	P118		759745.047	2452587.269	22°09'32.62115"	83°31'07.08837"
119	P119		759679.337	2452607.753	22°09'33.32217"	83°31'04.80813"
120	P120		759616.095	2452628.117	22°09'34.01789"	83°31'02.61389"
121	P121		759562.029	2452630.516	22°09'34.12497"	83°31'00.72936"
122	P122		759476.683	2452631.078	22°09'34.18921"	83°30'57.75265"
123	P123		759393.948	2452650.828	22°09'34.87550"	83°30'54.87810"
124	P124		759312.550	2452672.548	22°09'35.62503"	83°30'52.05130"
125	P125		759184.912	2452706.025	22°09'36.78145"	83°30'47.61836"
126	P126		759177.867	2452723.703	22°09'37.35965"	83°30'47.38280"
127	P127		759178.930	2452733.607	22°09'37.68088"	83°30'47.42563"
128	P128		759143.750	2452744.888	22°09'38.06636"	83°30'46.20496"
129	P129		759090.028	2452777.776	22°09'39.16385"	83°30'44.35000"
130	P130		759073.652	2452793.375	22°09'39.67950"	83°30'43.78776"
131	P131		759963.412	2452117.005	22°09'17.22348"	83°31'14.43297"
132	P132		759976.694	2452097.169	22°09'16.57182"	83°31'14.88479"
133	P133		760003.770	2452059.445	22°09'15.33145"	83°31'15.80735"
134	P134		760015.085	2452058.314	22°09'15.28862"	83°31'16.20139"
135	P135		760020.241	2452043.637	22°09'14.80892"	83°31'16.37271"
136	P136	Patch No - 3	760029.882	2452039.842	22°09'14.68043"	83°31'16.70679"
137	P137		760040.956	2452053.208	22°09'15.10873"	83°31'17.10083"
138	P138		760080.145	2452029.689	22°09'14.32341"	83°31'18.45413"
139	P139		760182.840	2451997.650	22°09'13.22696"	83°31'22.01761"
140	P140		760363.293	2451897.304	22°09'09.86906"	83°31'28.25370"
141	P141		760390.721	2451901.978	22°09'10.00612"	83°31'29.21310"
142	P142		760416.781	2451870.775	22°09'08.97819"	83°31'30.10397"
143	P143		760400.361	2451785.483	22°09'06.21574"	83°31'29.48177"
144	P144		760357.824	2451652.132	22°09'01.90585"	83°31'27.92077"
145	P145		760301.376	2451475.173	22°08'56.18657"	83°31'25.84931"
146	P146		760185.457	2451255.340	22°08'49.10630"	83°31'21.67878"
147	P147		760116.383	2451140.825	22°08'45.42272"	83°31'19.20325"
148	P148		760049.835	2450975.803	22°08'40.09669"	83°31'16.78661"
149	P149		759792.704	2450855.418	22°08'36.32371"	83°31'07.74872"
150	P150		759790.100	2450848.885	22°08'36.11285"	83°31'07.65412"
151	P151		759769.945	2450836.287	22°08'35.71436"	83°31'06.94385"
152	P152		759733.517	2450806.087	22°08'34.75273"	83°31'05.65587"
153	P153		759676.418	2450752.062	22°08'33.02806"	83°31'03.63315"
154	P154		759637.321	2450713.105	22°08'31.78332"	83°31'02.24702"
155	P155		759616.730	2450691.974	22°08'31.10781"	83°31'01.51664"
156	P156		759645.243	2450810.926	22°08'34.95750"	83°31'02.57987"
157	P157		759679.706	2450901.103	22°08'37.86900"	83°31'03.83398"
158	P158		759698.146	2450948.404	22°08'39.39598"	83°31'04.50448"
159	P159		759697.444	2451011.306	22°08'41.44019"	83°31'04.51636"
160	P160		759676.180	2451081.882	22°08'43.74481"	83°31'03.81550"
161	P161		759660.304	2451134.574	22°08'45.46545"	83°31'03.29224"
162	P162		759548.118	2451116.953	22°08'44.95331"	83°30'59.36917"
163	P163		759428.981	2451098.241	22°08'44.40943"	83°30'55.20301"
164	P164		759536.783	2450945.603	22°08'39.39185"	83°30'58.87480"
165	P165		759555.797	2450795.648	22°08'34.50922"	83°30'59.45133"
166	P166		759437.752	2450795.584	22°08'34.57067"	83°30'55.33413"
167	P167		759392.317	2450800.125	22°08'34.74267"	83°30'53.75208"
168	P168		759381.051	2450809.580	22°08'35.05595"	83°30'53.36458"
169	P169		759355.253	2450835.468	22°08'35.91097"	83°30'52.47976"
170	P170		759277.181	2450903.271	22°08'38.15604"	83°30'49.79589"
171	P171		759245.325	2450923.483	22°08'38.82992"	83°30'48.69646"
172	P172		759226.227	2450939.510	22°08'39.36094"	83°30'48.03963"
173	P173		759218.675	2450947.090	22°08'39.61128"	83°30'47.78059"
174	P174		759180.656	2451010.177	22°08'41.68157"	83°30'46.49095"
175	P175		759210.081	2451064.676	22°08'43.43656"	83°30'47.54870"
176	P176		759236.916	2451137.344	22°08'45.78330"	83°30'48.52660"
177	P177	Patch - 3	759235.813	2451159.471	22°08'46.50285"	83°30'48.50090"
178	P178		759205.381	2451217.494	22°08'48.40452"	83°30'47.47297"
179	P179		759169.332	2451258.815	22°08'49.76652"	83°30'46.23946"
180	P180		759163.718	2451286.404	22°08'50.66595"	83°30'46.05957"
181	P181		759168.931	2451327.617	22°08'52.00226"	83°30'46.26516"
182	P182		759198.899	2451386.639	22°08'53.90393"	83°30'47.34448"
183	P183		759239.427	2451430.809	22°08'55.31733"	83°30'48.78358"
184	P184		759296.330	2451464.969	22°08'56.39665"	83°30'50.78804"
185	P185		759376.658	2451508.216	22°08'57.75865"	83°30'53.61484"
186	P186		759396.562	2451552.045	22°08'59.17205"	83°30'54.33439"
187	P187		759420.392	2451574.472	22°08'59.88793"	83°30'55.17853"
188	P188		759474.425	2451596.047	22°09'00.55987"	83°30'57.07565"
189	P189		759553.985	2451630.891	22°09'01.64920"	83°30'59.87082"
190	P190		759576.308	2451642.007	22°09'01.99836"	83°31'00.65586"
191	P191		759659.691	2451510.047	22°08'57.66577"	83°31'03.48794"
192	P192		759714.789	2451465.966	22°08'56.20379"	83°31'05.38424"
193	P193		759725.398	2451550.754	22°08'58.95303"	83°31'05.80331"
194	P194		759822.068	2451663.976	22°09'02.57978"	83°31'09.24063"
195	P195		759850.209	2451706.100	22°09'03.93331"	83°31'10.24656"
196	P196		759846.898	2451813.379	22°09'07.42083"	83°31'10.19315"
197	P197		759790.545	2451880.485	22°09'09.63165"	83°31'08.26637"
198	P198		759739.989	2451957.080	22°09'12.14763"	83°31'06.54730"
199	P199		759772.617	2451975.297	22°09'12.72194"	83°31'07.69591"
200	P200		759769.537	2451989.177	22°09'13.17461"	83°31'07.59650"
201	P201		759729.697	2451985.382	22°09'13.07277"	83°31'06.20466"
202	P202		759680.454	2451993.002	22°09'13.34688"	83°31'04.49145"
203	P203		759638.104	2452029.208	22°09'14.54613"	83°31'03.03522"
204	P204		759654.834	2452029.343	22°09'14.54151"	83°31'03.61882"
205	P205		759710.872	2452035.964	22°09'14.72642"	83°31'05.57730"
206	P206		759760.997	2452042.577	22°09'14.91429"	83°31'07.32952"
207	P207		759779.970	2452053.569	22°09'15.26121"	83°31'07.99768"
208	P208		759795.379	2452057.383	22°09'15.37685"	83°31'08.53734"
209	P209		759830.904	2452069.836	22°09'15.76233"	83°31'09.78370"
210	P210		759870.020	2452087.885	22°09'16.32769"	83°31'11.15855"
211	P211		759902.626	2452098.708	22°09'16.66176"	83°31'12.30212"
212	P212		759938.138	2452111.952	22°09'17.07293"	83°31'13.54848"

M/S HINDALCO INDUSTRIES LIMITED (HIL)
GARE PALMA IV/5 COAL BLOCK (TOTAL BLOCK AREA 797.655 HA)
SCHEDULE OF FOREST LAND (PROTECTED FOREST, RESERVED FOREST & REVENUE FOREST)

Details of Protected Forest and Reserved Forest

Sl. No	Circle	Division	Range	Compartment No	Forest Type	Patch No	Proposed Area (Ha.)	Patch Wise Proposed Area (Ha.)
1				P 785	Protected Forest		4.399	
2				RF 784		Patch - 1	156.748	174.276
3	Bilaspur	Raigarh	Tamnar	RF 782	Reserved Forest		13.129	
4				RF 722		Patch - 2	53.011	53.011
5				P 788	Protected Forest	Patch - 3	88.959	88.959
Total Proposed Area (Ha.)							**316.246**	**316.246**

Details of Revenue Forest (Chote Jhad Ka Jungal (CJJ) + Bade Jhad Ka Jungal (BJJ))

Sl. No	District	Tehsil	Village	Proposed Area (Ha.)		Village Wise Total Area (Ha.)
				CJJ Proposed Area (Ha.)	BJJ Proposed Area (Ha.)	
1	Raigarh	Tamnar	Kondkel	3.009	0.475	3.484
Total Proposed Area (Ha.)				**3.009**	**0.475**	**3.484**

Total Proposed PF/RF Area (Ha.)	**316.246**
Total Proposed Revenue Area (Ha.)	**3.484**
Total Proposed Forest Area (Ha.)	**319.730**

Legend

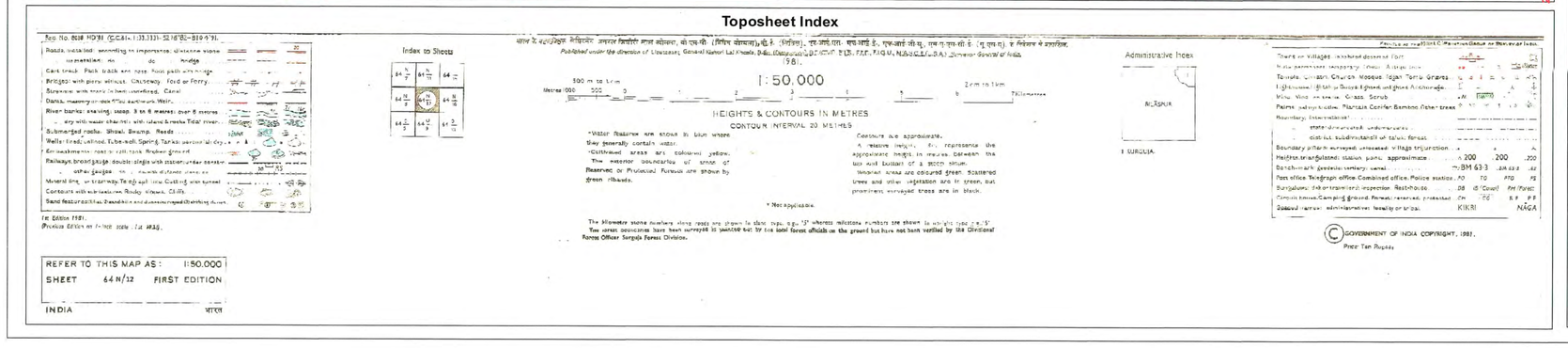
- PF/RF Patch Boundary Points
- GP IV/4 Lease Boundary
- Proposed PF/RF Patch Area
- Proposed PF/RF/ Area
- Proposed Revenue Area
- Village Boundary

Toposheet No	Projection	Datum
F - 44L12 (64N/12)	UTM (Zone - 44 N)	WGS - 84

Survey & Mapping By:
Geotrax International Services
B.O: #53, Neera Extension, Parthvi Nagar, Hirapur, Raipur-492099
ISO 9001 : 2008 Certified
Printed On : 27.08.2019

Submitted By :
M/s Hindalco Industries Limited (HIL)
Gare Palma Mines, Raigarh (C.G.)

Toposheet



वन परिक्षेत्र अधिकारी तमनार

Dipankar Khan
Authorised Person
Gare Palma IV/5 Coal Mine
Hindalco Industries Ltd