MAP SHOWING DGPS SURVEY CO-ORDINATES AND BOUNDARY OF FOREST AREA PROPOSED TO BE DIVERTED FOR NETRABANDHA PAHAR IRON ORE BLOCK OF M/s. BHUSAN POWER & STEEL LTD. IN SUNDARGARH DISTRICT

— DGPS survey of forest areas proposed for diversion within Netrabandha Pahar Iron Ore block of M/s. Bhusan Power & Steel Ltd. in Sundargarh District. has been carried out by the user agency through M/s. DCS PVT. LTD., Bhubaneswar.

— DGPS Survey Co-ordinates are rectified by ORSAC. Also submitted lease boundary is verified with ORSAC provided lease boundary. The submitted map showing forest areas proposed for diversion is rectified with geo-referenced Cadastral Mouzas/ Surveyed points and compared with Geo-rectified Cartosat Satellite image and found that map is correct at a Confidence level of 95%.

— All the forest areas proposed for diversion comes in One Cadastral sheet of village Baldihi and works out to 112.621 Ha. includes 1.808 Ha. under Safety Zone from the submitted shp.files against the alloted area of 112.621 Ha. as per submitted land records. From the total 112.621 Ha. forest areas proposed for diversion 57.868 Ha. includes 8.479 Ha. under Safety Zone in Reserve forest Category and 54.753 Ha. includes 1.329 Ha under Safety Zone in P.R.F.

Certified that this map is a true finally framed and a copy of it has been finally published in accordance with rule 22 read with rule 40 of O.S. R. Rules 1962 on 3 January 1975.

Settlement Officer.

SCALE -1:3,960

Meters 0 50 100 200

ML CO-ORDINATES GIVEN BY ORSAC

PILLAR	EASTING	NORTHING	LONGITUDE	LATITUDE
ML1	323197.874	2419213.659	85°17'20.07528"	21°52'05.24244"
ML2	324253.702	2419314.686	85°17'56.81004"	21°52'08.90760"
ML3	324224.957	2419727.567	85°17'55.64976"	21°52'22.32012"
ML4	324229.058	2419922.678	85°17'55.71744"	21°52'28.66476"
ML5	324184.621	2420001.326	85°17'54.13920"	21°52'31.20564"
ML6	323992.454	2419973.632	85°17'47.45652"	21°52'30.23616"
ML7	323982.184	2420162.297	85°17'47.02596"	21°52'36.36624"
ML8	323939.06	2420311.577	85°17'45.46644"	21°52'41.20356"
ML9	323879.423	2420387.466	85°17'43.35972"	21°52'43.64940"
ML10	323774.758	2420466.116	85°17'39.68376"	21°52'46.16868"
ML11	323584.487	2420614.762	85°17'32.99856"	21°52'50.93256"
ML12	323405.497	2420727.784	85°17'26.72052"	21°52'54.54228"
ML13	322937.824	2420678.615	85°17'10.44924"	21°52'52.77432"
ML14	323112.068	2419597.033	85°17'16.93824"	21°52'17.67504"
ML15	323228.713	2419621.977	85°17'20.99112"	21°52'18.52788"
ML16	323221.076	2419555.652	85°17'20.75100"	21°52'16.36896"
ML17	323216.987	2419495.828	85°17'20.63184"	21°52'14.42280"
ML18	323200.8	2419263.98	85°17'20.15772"	21°52'06.87936"

POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
G1	324434.3069	2420514.662	85°18'02.63844"	21°52'47.98416"
G2	323989.806	2420328.395	85°17'47.22756"	21°52'41.76876"
G3	324510.5071	2419659.527	85°18'05.62176"	21°52'20.21088"
G4	324122.2303	2419289.903	85°17'52.24056"	21°52'08.05440"
G5	322847.6637	2419050.6	85°17'07.94112"	21°51'59.81436"
G6	323704.9154	2418978.369	85°17'37.82616"	21°51'57.77604"

CO-ORDINATES OF PRF POINTS

SL.NO.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	PRF-1	322940.8	2420659.921	85°17'10.56156"	21°52'52.16772"
2	PRF-2	323099.9	2420660.712	85°17'16.10340"	21°52'52.25088"
3	PRF-3	323499.6	2420165.384	85°17'30.21684"	21°52'36.29244"
4	PRF-4	323601.2	2420166.159	85°17'33.75420"	21°52'36.35436"
5	PRF-5	323602.6	2419764.914	85°17'33.95688"	21°52'23.31012"
6	PRF-6	323194.9	2419761.978	85°17'19.75992"	21°52'23.06712"
7	PRF-7	323194.5	2419614.652	85°17'19.80096"	21°52'18.27768"
8	PRF-8	323207.7	2419362.459	85°17'20.35896"	21°52'10.08336"
9	PRF-9	323294.5	2419361.908	85°17'23.38368"	21°52'10.09704"
10	PRF-10	323700.7	2419359.672	85°17'37.53132"	21°52'10.17084"
11	PRF-11	323937.4	2419359.911	85°17'45.77460"	21°52'10.26408"

CO-ORDINATES OF SAFETY ZONE POINTS

SL.NO.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	SZ-1	323205.8692	2419221.958	85°17'20.35068"	21°52'05.51496"
2	SZ-2	323296.1761	2419230.599	85°17'23.49276"	21°52'05.82852"
3	SZ-3	323396.643	2419240.212	85°17'26.98800"	21°52'06.17736"
4	SZ-4	323496.17	2419249.736	85°17'30.45084"	21°52'06.52296"
5	SZ-5	323595.811	2419259.27	85°17'33.91764"	21°52'06.86892"
6	SZ-6	323696.2241	2419268.878	85°17'37.41108"	21°52'07.21740"
7	SZ-7	323796.4213	2419278.465	85°17'40.89732"	21°52'07.56516"
8	SZ-8	323895.6232	2419287.957	85°17'44.34864"	21°52'07.90968"
9	SZ-9	323995.599	2419297.524	85°17'47.82696"	21°52'08.25672"
10	SZ-10	324095.788	2419307.11	85°17'51.31284"	21°52'08.60448"
11	SZ-11	324195.7835	2419316.678	85°17'54.79188"	21°52'08.95152"
12	SZ-12	324245.7125	2419321.456	85°17'56.52924"	21°52'09.12468"
13	SZ-13	324239.2158	2419414.772	85°17'56.26680"	21°52'12.15624"
14	SZ-14	324232.3176	2419513.854	85°17'55.98852"	21°52'15.37500"
15	SZ-15	324225.386	2419613.418	85°17'55.70844"	21°52'18.60924"
16	SZ-16	324217.4587	2419727.725	85°17'55.38840"	21°52'22.32264"
17	SZ-17	324219.2725	2419814.022	85°17'55.41828"	21°52'25.12884"
18	SZ-18	324221.5164	2419920.779	85°17'55.45536"	21°52'28.60032"
19	SZ-19	324180.6143	2419993.171	85°17'54.00276"	21°52'30.93924"
20	SZ-20	324086.0238	2419979.539	85°17'50.71344"	21°52'30.46188"
21	SZ-21	323984.8945	2419964.347	85°17'47.19696"	21°52'29.93160"
22	SZ-22	323979.5655	2420072.418	85°17'46.96944"	21°52'33.44304"
23	SZ-23	323974.7415	2420161.036	85°17'46.76748"	21°52'36.32232"
24	SZ-24	323943.1771	2420270.301	85°17'45.62556"	21°52'39.86328"
25	SZ-25	323932.2601	2420308.092	85°17'45.23100"	21°52'41.08800"
26	SZ-26	323874.1326	2420382.06	85°17'43.17756"	21°52'43.47156"
27	SZ-27	323770.1966	2420460.163	85°17'39.52716"	21°52'45.97356"
28	SZ-28	323687.6659	2420524.638	85°17'36.62736"	21°52'48.03960"
29	SZ-29	323580.1654	2420608.621	85°17'32.85060"	21°52'50.73132"
30	SZ-30	323488.5233	2420666.488	85°17'29.63616"	21°52'52.57956"
31	SZ-31	323403.6931	2420720.053	85°17'26.66040"	21°52'54.29028"
32	SZ-32	323306.4303	2420709.827	85°17'23.27676"	21°52'53.92272"
33	SZ-33	323205.7495	2420699.242	85°17'19.77360"	21°52'53.54184"
34	SZ-34	323106.3631	2420688.793	85°17'16.31616"	21°52'53.16636"
35	SZ-35	323006.4258	2420678.286	85°17'12.83892"	21°52'52.78836"
36	SZ-36	322946.4889	2420671.985	85°17'10.75380"	21°52'52.56192"
37	SZ-37	322961.3708	2420579.608	85°17'11.30784"	21°52'49.56420"
38	SZ-38	322977.561	2420479.111	85°17'11.91084"	21°52'46.30296"
39	SZ-39	323009.7721	2420279.168	85°17'13.11036"	21°52'39.81432"
40	SZ-40	323025.853	2420179.349	85°17'13.70940"	21°52'36.57504"
41	SZ-41	323041.8906	2420079.799	85°17'14.30664"	21°52'33.34440"
42	SZ-42	323058.0797	2419979.309	85°17'14.90964"	21°52'30.08316"
43	SZ-43	323074.0967	2419879.886	85°17'15.50580"	21°52'26.85684"
44	SZ-44	323090.1322	2419780.35	85°17'16.10304"	21°52'23.62656"
45	SZ-45	323118.2173	2419606.018	85°17'17.14884"	21°52'17.96916"
46	SZ-46	323237.2533	2419630.846	85°17'21.28524"	21°52'18.81948"
47	SZ-47	323228.5467	2419554.967	85°17'21.01128"	21°52'16.34952"
48	SZ-48	323224.4692	2419495.311	85°17'20.89248"	21°52'14.40840"
49	SZ-49	323217.427	2419394.445	85°17'20.68620"	21°52'11.12664"
50	SZ-50	323208.2848	2419263.501	85°17'20.41872"	21°52'06.86640"

CO-ORDINATES OF FOREST BOUNDARY

SL.NO.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	FR-1	323115.2447	2420697.268	85°17'16.62216"	21°52'53.44500"
2	FR-2	323129.2908	2420689.099	85°17'17.11464"	21°52'53.18472"
3	FR-3	323123.289	2420663.405	85°17'16.91556"	21°52'52.34700"
4	FR-4	323133.4113	2420652.062	85°17'17.27232"	21°52'51.98196"
5	FR-5	323146.3031	2420638.926	85°17'17.72664"	21°52'51.55968"
6	FR-6	323155.8265	2420629.125	85°17'18.06216"	21°52'51.24432"
7	FR-7	323166.3931	2420620.361	85°17'18.43368"	21°52'50.96316"
8	FR-8	323181.7564	2420609.792	85°17'18.97260"	21°52'50.62512"
9	FR-9	323192.9435	2420602.802	85°17'19.36500"	21°52'50.40192"
10	FR-10	323198.4926	2420597.427	85°17'19.56048"	21°52'50.22948"
11	FR-11	323226.5798	2420592.634	85°17'20.54076"	21°52'50.08368"
12	FR-12	323247.6109	2420591.403	85°17'21.27372"	21°52'50.05128"
13	FR-13	323269.6929	2420586.287	85°17'22.04484"	21°52'49.89288"
14	FR-14	323291.3089	2420578.684	85°17'22.80084"	21°52'49.65348"
15	FR-15	323316.6009	2420571.651	85°17'23.68428"	21°52'49.43424"
16	FR-16	323345.1408	2420580.241	85°17'24.67536"	21°52'49.72368"
17	FR-17	323374.5465	2420590.325	85°17'25.69560"	21°52'50.06208"
18	FR-18	323390.6363	2420596.066	85°17'26.25360"	21°52'50.25468"
19	FR-19	323399.226	2420599.012	85°17'26.55168"	21°52'50.35332"
20	FR-20	323409.5957	2420601.757	85°17'26.91204"	21°52'50.44656"
21	FR-21	323443.9287	2420603.68	85°17'28.10724"	21°52'50.52144"
22	FR-22	323484.2249	2420605.331	85°17'29.51016"	21°52'50.58948"
23	FR-23	323502.3011	2420588.436	85°17'30.14628"	21°52'50.04696"
24	FR-24	323516.1374	2420576.135	85°17'30.63300"	21°52'49.65204"
25	FR-25	323531.9395	2420566.474	85°17'31.18704"	21°52'49.34352"
26	FR-26	323545.7071	2420563.49	85°17'31.66764"	21°52'49.25172"
27	FR-27	323573.3205	2420557.718	85°17'32.63172"	21°52'49.07388"
28	FR-28	323616.1852	2420549.235	85°17'34.12824"	21°52'48.81360"
29	FR-29	323656.4356	2420542.399	85°17'35.53296"	21°52'48.60588"
30	FR-30	323670.6039	2420540.244	85°17'36.02724"	21°52'48.54108"
31	FR-31	323679.1001	2420540.847	85°17'36.32280"	21°52'48.56376"
32	FR-32	323725.5193	2420504.583	85°17'37.95396"	21°52'47.40132"
33	FR-33	323772.9726	2420447.778	85°17'39.62868"	21°52'45.57180"
34	FR-34	323797.2188	2420420.633	85°17'40.48368"	21°52'44.69808"
35	FR-35	323828.4081	2420381.476	85°17'41.58528"	21°52'43.43628"
36	FR-36	323855.0257	2420347.016	85°17'42.52560"	21°52'42.32568"
37	FR-37	323857.3029	2420307.371	85°17'42.62028"	21°52'41.03760"
38	FR-38	323857.8751	2420274.591	85°17'42.65268"	21°52'39.97200"
39	FR-39	323857.7378	2420234.186	85°17'42.66384"	21°52'38.65836"
40	FR-40	323857.6258	2420200.197	85°17'42.67284"	21°52'37.55316"
41	FR-41	323890.0519	2420190.088	85°17'43.80612"	21°52'37.23636"
42	FR-42	323885.078	2420167.133	85°17'43.64196"	21°52'36.48828"
43	FR-43	323876.4767	2420138.576	85°17'43.35324"	21°52'35.55696"
44	FR-44	323866.3973	2420106.768	85°17'43.01448"	21°52'34.51908"
45	FR-45	323873.479	2420051.979	85°17'43.28232"	21°52'32.74032"
46	FR-46	323882.5042	2420020.026	85°17'43.60920"	21°52'31.70496"
47	FR-47	323915.8627	2420024.416	85°17'44.76912"	21°52'31.85976"
48	FR-48	323957.5437	2420029.9	85°17'46.21884"	21°52'32.05308"
49	FR-49	323958.8126	2420005.186	85°17'46.27248"	21°52'31.24992"
50	FR-50	323990.5115	2420009.317	85°17'47.37516"	21°52'31.39572"
51	FR-51	323991.7676	2419986.241	85°17'47.42772"	21°52'30.64584"
52	FR-52	324009.7373	2419976.123	85°17'48.05772"	21°52'30.32328"
53	FR-53	324009.4288	2419917.462	85°17'48.06960"	21°52'28.41600"
54	FR-54	324009.1773	2419869.651	85°17'48.07932"	21°52'26.86188"
55	FR-55	324008.9166	2419820.081	85°17'48.08940"	21°52'25.25016"
56	FR-56	324008.6153	2419762.806	85°17'48.10092"	21°52'23.38788"
57	FR-57	324007.9883	2419726.448	85°17'48.09300"	21°52'22.20564"
58	FR-58	324005.1313	2419705.304	85°17'48.00156"	21°52'21.51732"
59	FR-59	324001.3439	2419677.274	85°17'47.88060"	21°52'20.60472"
60	FR-60	323995.5596	2419634.465	85°17'47.69556"	21°52'19.21080"
61	FR-61	323989.2029	2419587.42	85°17'47.49252"	21°52'17.67900"
62	FR-62	323987.0355	2419568.44	85°17'47.42412"	21°52'17.06124"
63	FR-63	323984.4458	2419542.486	85°17'47.34420"	21°52'16.21668"
64	FR-64	323976.1014	2419518.301	85°17'47.06268"	21°52'15.42720"
65	FR-65	323955.0076	2419522.789	85°17'46.32648"	21°52'15.56544"
66	FR-66	323950.6021	2419482.125	85°17'46.18860"	21°52'14.24208"
67	FR-67	323945.2638	2419432.852	85°17'46.02156"	21°52'12.63828"
68	FR-68	323937.7163	2419363.187	85°17'45.78576"	21°52'10.37064"
69	FR-69	323935.5252	2419284.241	85°17'45.73968"	21°52'07.80312"
70	FR-70	323873.1179	2419278.27	85°17'43.56852"	21°52'07.58676"
71	FR-71	323871.6193	2419285.361	85°17'43.51344"	21°52'07.81644"
72	FR-72	323863.7657	2419288.836	85°17'43.23876"	21°52'07.92660"
73	FR-73	323836.8369	2419300.753	85°17'42.29628"	21°52'08.30460"
74	FR-74	323812.3525	2419313.089	85°17'41.43876"	21°52'08.69664"
75	FR-75	323784.2433	2419295.048	85°17'40.46676"	21°52'08.10012"
76	FR-76	323750.9688	2419273.692	85°17'39.31584"	21°52'07.39380"
77	FR-77	323737.9501	2419265.336	85°17'38.86584"	21°52'07.11732"
78	FR-78	323689.9846	2419260.747	85°17'37.19688"	21°52'06.95100"
79	FR-79	323685.4051	2419262.847	85°17'37.03668"	21°52'07.01760"
80	FR-80	323672.176	2419261.788	85°17'36.57624"	21°52'06.97836"
81	FR-81	323612.8619	2419265.803	85°17'34.50876"	21°52'07.08744"
82	FR-82	323541.6038	2419266.815	85°17'32.02656"	21°52'07.09464"
83	FR-83	323539.034	2419262.801	85°17'31.93872"	21°52'06.96324"
84	FR-84	323530.6404	2419245.5	85°17'31.65288"	21°52'06.39768"

FOREST AREA STATISTICS OF NETRABANDHA PAHAR IRON ORE BLOCK

SL.NO.	PLOT NO	PLOT STATUS	KISSAM	FOREST TYPE	ALLOTED AREA IN HA.	MAP AREA IN HA. FOREST AREA	SAFETY ZONE AREA	TOTAL FOREST AREA
1	16	PART	PAHAD	DLC	0.517	0.371	0.146	0.517
2	99	PART	PAHAD	DLC	12.289	12.272	0.017	12.289
3	100	PART	PAHAD	DLC	12.101	12.043	0.059	12.102
4	101	FULL	PAHAD	PRF	17.669	17.669		17.669
5	102	PART	JUNGLE	PRF	5.877	5.497	0.380	5.877
6	103	PART	JUNGLE	PRF	1.725	1.422	0.303	1.725
7	104	FULL	PAHAD	PRF	20.247	20.247		20.247
8	105	PART	PAHAD	DLC	19.836	19.609	0.227	19.836
9	106	PART	PAHAD	PRF	1.506	1.324	0.182	1.506
10	107	PART	BADA JUNGLE	PRF	1.322	1.143	0.179	1.322
11	108	PART	BADA JUNGLE	PRF	6.387	6.102	0.285	6.387
12	218/570	FULL	GRAMYA JUNGLE	DLC	11.086	11.086		11.086
13	99/571	PART	GRAMYA JUNGLE	DLC	2.059	2.028	0.030	2.058
TOTAL AREA					112.621	110.813	1.808	112.621

Tehsildar KOIRA

Range Officer Koira Forest Range

Revenue Supervisor KOIRA

FORESTER RANISAL SECTION

JUNIOR MINING OFFICER O/o THE DDM, KOIRA DIST-SUNDARGARH

Asst. Mining Officer O/o The D.D.M., Koira

DEPUTY DIRECTOR OF MINES KOIRA MINING CIRCLE, KOIRA

DGPS Survey Conducted and Map Prepared by:-

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LEGEND

- ML POINTS
- GEOREFERENCED POINTS
- FOREST POINTS
- PRF POINTS
- SAFETY ZONE POINTS
- ML BOUNDARY
- SAFETY ZONE
- DLC
- PRF

BHUSAN POWER & STEEL LTD. THELKOLOI SAMBALPUR