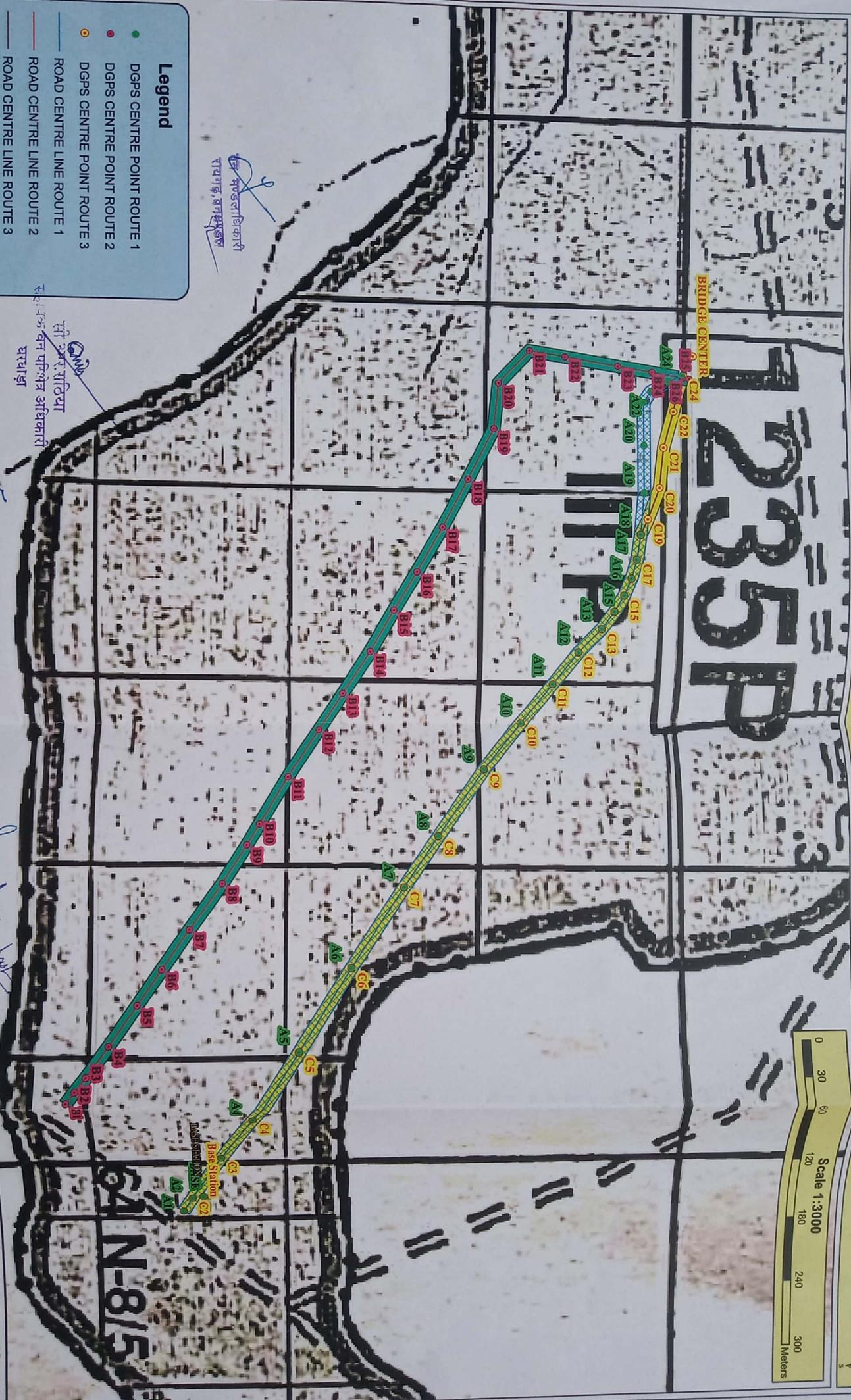
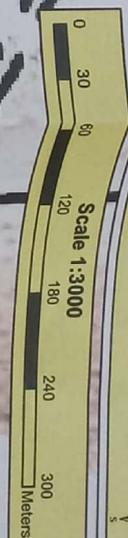


MAP SHOWING PROTECTED FOREST AREA UNDER COAL TRANSPORTATION APPROACH ROAD TO RAILWAY SIDING GHARGHODA SUPERIMPOSED ON FOREST MAP, ANNEXURE III VILLAGE - GHARGHODA, TEHSIL - GHARGHODA, DISTRICT - RAIGARH, CHHATTISGARH



- Legend**
- DGPS CENTRE POINT ROUTE 1
 - DGPS CENTRE POINT ROUTE 2
 - DGPS CENTRE POINT ROUTE 3
 - ROAD CENTRE LINE ROUTE 1
 - ROAD CENTRE LINE ROUTE 2
 - ROAD CENTRE LINE ROUTE 3
 - ▨ BOUNDING AREA ROUTE 1 (0.971 HA)
 - ▨ BOUNDING AREA ROUTE 2 (0.988 HA)
 - ▨ BOUNDING AREA ROUTE 3 (0.956HA)

श्री अरुण राविकाशी
रायगढ़, रायगढ़ जिला

श्री अरुण राविकाशी
वन परियोजना अधिकारी
बराभाड़ा

Chief Engineer (Civil Proj.-I)
C.S.P.G.C.L., RAIPUR
Date: 19/03/2020

वन परियोजना अधिकारी
बराभाड़ा

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बराभाड़ा

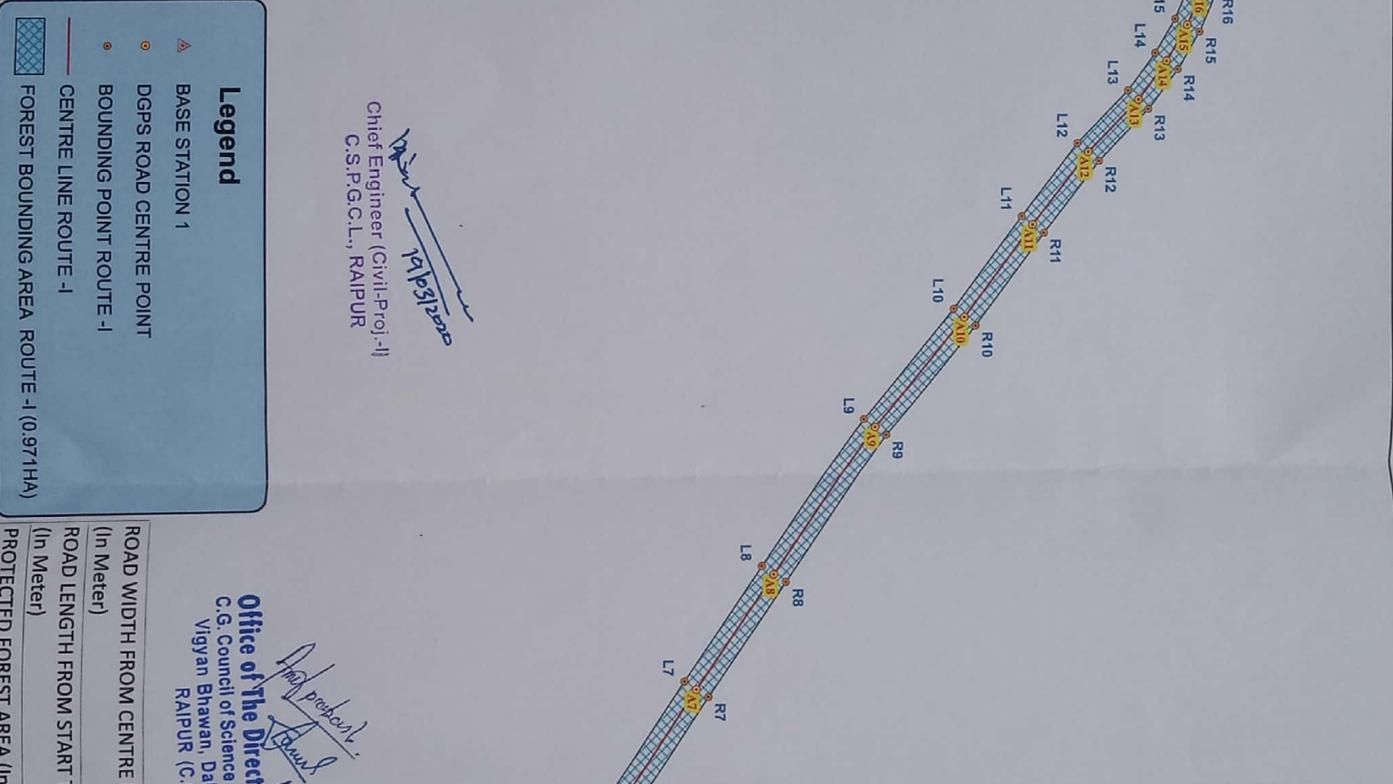
Office of The Director General
G. Council of Science & Technology
Vijayan Bhawan, Daidai Seoni,
RAIPUR (C.G.)

DGPS Survey Conducted & Map Prepared By
श्री अरुण राविकाशी
Chattisgarh Council of Science & Technology
Vijayan Bhawan, Vidhan Sabha Road, Daidai Seoni
Raipur. (CG) Pin - 492014

MAP SHOWING DGPS SURVEY POINTS AND COORDINATES OF ROUTE-I PROTECTED FOREST AREA UNDER COAL TRANSPORTATION APPROACH ROAD TO RAILWAY SIDING GHARGHODA, VILLAGE - GHARGHODA, TEHSIL - GHARGHODA, DISTRICT - RAIGARH, CHHATTISGARH

ANNEXURE IV (A)

S No	Survey Id	Latitude	Longitude	Northing	Eastng
1	L1	22° 9' 49.846597" N	83° 19' 57.139383" E	2452810.45	740538.4799
2	L2	22° 9' 50.11616" N	83° 19' 56.76099" E	2452818.572	740525.9486
3	L3	22° 9' 50.97775" N	83° 19' 55.34820" E	2452824.456	740485.0556
4	L4	22° 9' 51.91619" N	83° 19' 53.87308" E	2452872.678	740442.3404
5	L5	22° 9' 53.20503" N	83° 19' 51.85321" E	2452911.144	740383.8493
6	L6	22° 9' 54.67258" N	83° 19' 49.48282" E	2452955.546	740315.2297
7	L7	22° 9' 56.17699" N	83° 19' 47.12612" E	2453000.793	740246.985
8	L8	22° 9' 57.16980" N	83° 19' 45.61724" E	2453030.673	740203.2776
9	L9	22° 9' 58.51484" N	83° 19' 43.61659" E	2453071.174	740145.3121
10	L10	22° 9' 59.65381" N	83° 19' 42.13921" E	2453105.565	740102.4388
11	L11	22° 10' 0.53296" N	83° 19' 40.90503" E	2453132.069	740066.6574
12	L12	22° 10' 1.25291" N	83° 19' 39.92993" E	2453153.79	740038.3755
13	L13	22° 10' 1.90664" N	83° 19' 39.2457" E	2453173.592	740017.5844
14	L14	22° 10' 2.26040" N	83° 19' 38.72739" E	2453184.257	740003.4403
15	L15	22° 10' 2.51828" N	83° 19' 38.26162" E	2453191.986	739989.9716
16	L16	22° 10' 2.71918" N	83° 19' 37.76876" E	2453197.95	739975.7536
17	L17	22° 10' 2.87421" N	83° 19' 37.23516" E	2453202.485	739960.39
18	L18	22° 10' 2.98659" N	83° 19' 36.49752" E	2453205.618	739939.1992
19	L19	22° 10' 3.14514" N	83° 19' 32.42234" E	2453208.706	739921.3476
20	L20	22° 10' 3.10662" N	83° 19' 35.24950" E	2453208.763	739903.3797
21	L21	22° 10' 3.12818" N	83° 19' 33.80406" E	2453208.791	739881.9497
22	L22	22° 10' 3.40965" N	83° 19' 32.01619" E	2453216.665	739810.5842
23	L23	22° 10' 3.94103" N	83° 19' 31.68397" E	2453232.867	739800.814
24	L24	22° 10' 4.21551" N	83° 19' 31.55112" E	2453241.253	739796.8776
25	R1	22° 9' 50.14417" N	83° 19' 57.40669" E	2452819.718	740544.4388
26	R2	22° 9' 50.41438" N	83° 19' 56.97294" E	2452827.84	740531.8811
27	R3	22° 9' 51.27501" N	83° 19' 55.56172" E	2452853.666	740491.0338
28	R4	22° 9' 52.21139" N	83° 19' 54.09986" E	2452881.855	740448.413
29	R5	22° 9' 53.50133" N	83° 19' 52.06822" E	2452920.651	740389.8707
30	R6	22° 9' 54.96908" N	83° 19' 49.67356" E	2452964.763	740321.2433
31	R7	22° 9' 56.47060" N	83° 19' 47.34537" E	2453009.922	740253.1294
32	R8	22° 9' 57.46080" N	83° 19' 45.84048" E	2453039.724	740209.5375
33	R9	22° 9' 58.80177" N	83° 19' 43.84591" E	2453080.102	740151.7481
34	R10	22° 9' 59.93191" N	83° 19' 42.38070" E	2453114.227	740109.2277
35	R11	22° 10' 0.81520" N	83° 19' 41.40087" E	2453140.856	740073.2823
36	R12	22° 10' 1.52726" N	83° 19' 40.17667" E	2453162.339	740045.3165
37	R13	22° 10' 2.16798" N	83° 19' 39.48719" E	2453181.747	740025.2657
38	R14	22° 10' 2.55027" N	83° 19' 38.95273" E	2453193.274	740009.7608
39	R15	22° 10' 2.83186" N	83° 19' 38.44674" E	2453201.714	739995.1385
40	R16	22° 10' 3.05115" N	83° 19' 37.91211" E	2453208.226	739979.1289
41	R17	22° 10' 3.22434" N	83° 19' 37.31588" E	2453213.292	739967.5379
42	R18	22° 10' 3.34048" N	83° 19' 36.55341" E	2453216.53	739940.6339
43	R19	22° 10' 3.50130" N	83° 19' 32.54554" E	2453219.717	739925.71
44	R20	22° 10' 3.46924" N	83° 19' 35.28006" E	2453219.747	739904.0873
45	R21	22° 10' 3.48580" N	83° 19' 33.80971" E	2453219.796	739861.9428
46	R22	22° 10' 3.65765" N	83° 19' 32.30546" E	2453224.422	739818.7668
47	R23	22° 10' 4.10495" N	83° 19' 32.02581" E	2453238.06	739810.5323
48	R24	22° 10' 4.64451" N	83° 19' 31.76556" E	2453254.546	739802.8202



S No	Survey Id	Latitude	Longitude	Northing	Eastng
1	A1	22° 9' 49.99540" N	83° 19' 57.30031" E	2452815.09378	740541.46067
2	A2	22° 9' 50.26534" N	83° 19' 56.86666" E	2452823.20766	740528.91174
3	A3	22° 9' 51.12626" N	83° 19' 55.45512" E	2452849.07223	740488.04943
4	A4	22° 9' 52.06378" N	83° 19' 53.98146" E	2452877.26644	740445.37651
5	A5	22° 9' 53.35319" N	83° 19' 51.96070" E	2452916.04587	740386.85952
6	A6	22° 9' 54.82088" N	83° 19' 49.59007" E	2452960.15622	740318.23292
7	A7	22° 9' 56.32386" N	83° 19' 47.23561" E	2453005.35974	740250.05335
8	A8	22° 9' 57.31525" N	83° 19' 45.72891" E	2453055.19711	740206.40902
9	A9	22° 9' 58.65991" N	83° 19' 42.25855" E	2453109.92791	740105.79257
10	A10	22° 9' 59.79933" N	83° 19' 40.04954" E	2453158.14542	740069.96522
11	A11	22° 10' 0.67417" N	83° 19' 41.02279" E	2453177.77790	740021.44657
12	A12	22° 10' 1.39278" N	83° 19' 39.35214" E	2453188.85481	740006.48162
13	A13	22° 10' 2.40081" N	83° 19' 38.34853" E	2453207.88101	739997.57560
14	A14	22° 10' 2.67819" N	83° 19' 37.83811" E	2453203.15178	739977.57560
15	A15	22° 10' 2.88732" N	83° 19' 37.21828" E	2453207.88101	739993.86663
16	A16	22° 10' 3.04899" N	83° 19' 36.52239" E	2453214.26623	739903.60097
17	A17	22° 10' 3.28536" N	83° 19' 35.26016" E	2453214.26623	739961.94567
18	A18	22° 10' 3.30698" N	83° 19' 32.48394" E	2453214.21162	739824.02880
19	A19	22° 10' 3.32322" N	83° 19' 32.16083" E	2453220.54370	739814.67050
20	A20	22° 10' 3.53365" N	83° 19' 31.85489" E	2453235.46382	739805.67316
21	A21	22° 10' 4.02299" N	83° 19' 31.65533" E	2453248.06072	739799.76024
22	A22	22° 10' 4.43529" N	83° 19' 31.55533" E	2453248.06072	739799.76024
23	A23	22° 10' 4.43529" N	83° 19' 31.55533" E	2453248.06072	739799.76024
24	A24	22° 10' 4.43529" N	83° 19' 31.55533" E	2453248.06072	739799.76024

Chief Engineer (Civil- Proj.-II)
C.S.P.G.C.L., RAIPUR

Office of The Director General
C.G. Council of Science & Technology
Vijyan Bhawan, Daidal Seoni,
RAIPUR (C.G.)

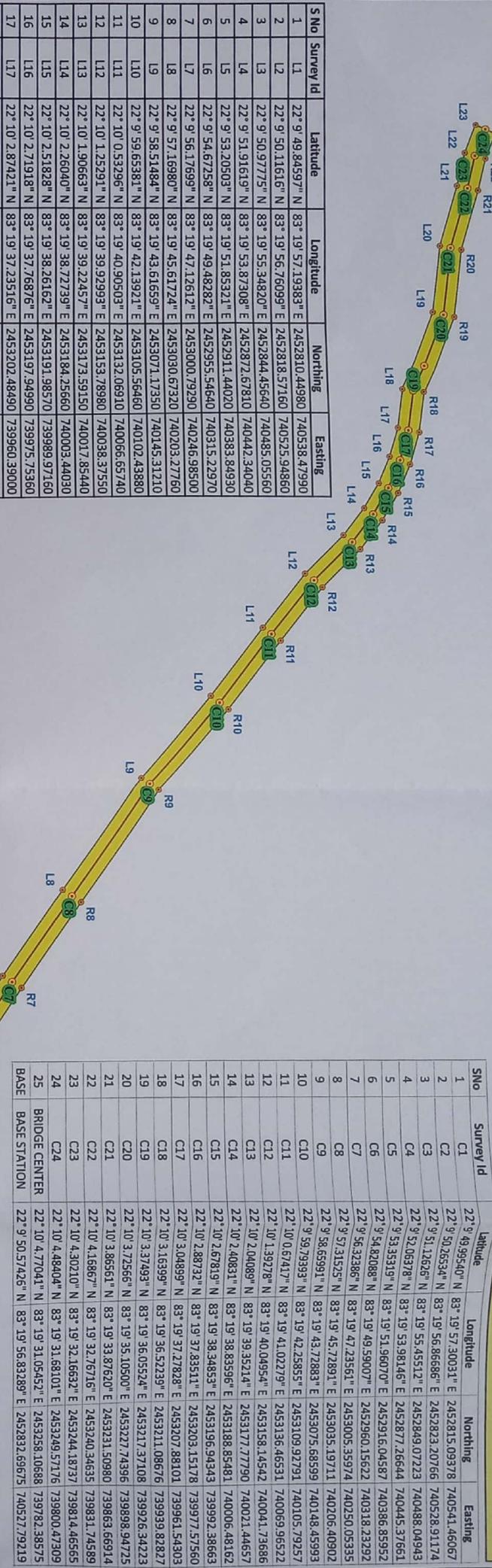
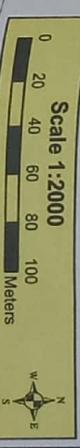
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- Legend**
- ▲ BASE STATION 1
 - DGPS ROAD CENTRE POINT
 - BOUNDING POINT ROUTE -I
 - CENTRE LINE ROUTE -I
 - ▨ FOREST BOUNDING AREA ROUTE -I (0.971HA)

ROAD WIDTH FROM CENTRE LINE (In Meter)	LEFT	RIGHT
ROAD LENGTH FROM START TO END (In Meter)	5.5	5.5
PROTECTED FOREST AREA (In Ha.)	0.971	

DGPS Survey Conducted & Map Prepared By
वर्तमान में परीक्षा अधिकाारी
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वर्तमान में परीक्षा अधिकाारी

MAP SHOWING DGPS SURVEY POINTS AND COORDINATES OF PROTECTED FOREST AREA UNDER COAL TRANSPORTATION APPROACH ROAD TO RAILWAY SIDING GHARGHODA, VILLAGE - GHARGHODA, TEHSIL - GHARGHODA, DISTRICT - RAIGARH, CHHATTISGARH



S No	Survey Id	Latitude	Longitude	Northing	Eastng
1	L1	22° 9' 49.84597" N	83° 19' 57.19383" E	2452810.44980	740538.47990
2	L2	22° 9' 50.11616" N	83° 19' 56.76099" E	2452818.57160	740525.94860
3	L3	22° 9' 50.97775" N	83° 19' 55.34820" E	2452844.45640	740485.05560
4	L4	22° 9' 51.91619" N	83° 19' 53.87308" E	2452872.67810	740442.34040
5	L5	22° 9' 53.20503" N	83° 19' 51.85321" E	2452911.44020	740383.84930
6	L6	22° 9' 54.67258" N	83° 19' 49.48282" E	2452955.54640	740315.22970
7	L7	22° 9' 56.17699" N	83° 19' 47.12612" E	2453000.79290	740246.98500
8	L8	22° 9' 57.16980" N	83° 19' 45.61724" E	2453030.67320	740203.27760
9	L9	22° 9' 58.51484" N	83° 19' 43.61659" E	2453071.17350	740145.31210
10	L10	22° 9' 59.65381" N	83° 19' 42.13921" E	2453105.56460	740102.43880
11	L11	22° 10' 0.53296" N	83° 19' 40.90503" E	2453132.06910	740066.65740
12	L12	22° 10' 1.25291" N	83° 19' 39.92993" E	2453153.78980	740038.37550
13	L13	22° 10' 1.90663" N	83° 19' 39.22457" E	2453173.59150	740017.85440
14	L14	22° 10' 2.26040" N	83° 19' 38.72739" E	2453184.25660	740003.44030
15	L15	22° 10' 2.51828" N	83° 19' 38.26162" E	2453191.98570	739999.97160
16	L16	22° 10' 2.71918" N	83° 19' 37.76876" E	2453197.94990	739975.75360
17	L17	22° 10' 2.87421" N	83° 19' 37.23516" E	2453202.48440	739960.30000
18	L18	22° 10' 2.98659" N	83° 19' 36.49752" E	2453205.61810	739939.19920
19	L19	22° 10' 3.09585" N	83° 19' 35.71786" E	2453235.00802	739830.41468
20	L20	22° 10' 3.55102" N	83° 19' 35.05723" E	2453222.35005	739897.66066
21	L21	22° 10' 3.68996" N	83° 19' 34.83728" E	2453226.08876	739862.63671
22	L22	22° 10' 4.13116" N	83° 19' 32.10858" E	2453238.90302	739812.89156
23	L23	22° 10' 4.32357" N	83° 19' 31.59646" E	2453244.59775	739798.12593
24	L24	22° 9' 50.14417" N	83° 19' 57.40669" E	2452819.71755	740544.43884
25	L25	22° 9' 50.41438" N	83° 19' 56.97294" E	2452827.83970	740531.88110
26	R3	22° 9' 51.27501" N	83° 19' 55.56172" E	2452853.69560	740491.03380
27	R4	22° 9' 52.21139" N	83° 19' 54.08986" E	2452881.85540	740448.41300
28	R5	22° 9' 53.50135" N	83° 19' 52.06822" E	2452920.65130	740389.87070
29	R6	22° 9' 54.96908" N	83° 19' 49.69756" E	2452964.76280	740321.24330
30	R7	22° 9' 56.47060" N	83° 19' 47.34537" E	2453009.92240	740253.12940
31	R8	22° 9' 57.56408" N	83° 19' 45.84048" E	2453080.10185	740151.74807
32	R9	22° 9' 58.80177" N	83° 19' 43.84591" E	2453080.10185	740151.74807
33	R10	22° 9' 59.93191" N	83° 19' 42.38070" E	2453114.22660	740109.22770
34	R11	22° 10' 0.81520" N	83° 19' 41.14087" E	2453140.85600	740073.28230
35	R12	22° 10' 1.52726" N	83° 19' 40.17667" E	2453162.33870	740045.31650
36	R13	22° 10' 2.16798" N	83° 19' 39.48719" E	2453181.74740	740025.25670
37	R14	22° 10' 2.55027" N	83° 19' 38.95273" E	2453193.27350	740009.76080
38	R15	22° 10' 2.83186" N	83° 19' 38.44674" E	2453201.71430	739995.12850
39	R16	22° 10' 3.05115" N	83° 19' 37.91211" E	2453208.22590	739979.70490
40	R17	22° 10' 3.22434" N	83° 19' 37.31588" E	2453213.29200	739962.53790
41	R18	22° 10' 3.34048" N	83° 19' 36.55341" E	2453216.59300	739940.63390
42	R19	22° 10' 3.43419" N	83° 19' 32.81645" E	2453245.68468	739833.07710
43	R20	22° 10' 3.90031" N	83° 19' 35.15278" E	2453233.13787	739900.23384
44	R21	22° 10' 4.04126" N	83° 19' 33.91512" E	2453236.99084	739864.70157
45	R22	22° 10' 4.47304" N	83° 19' 32.22406" E	2453249.47172	739816.03974
46	R23	22° 10' 4.64451" N	83° 19' 31.76556" E	2453254.54578	739802.82025

Legend

- BRIDGE CENTER
- ▲ BASE STATION
- DGPS CENTRE POINT ROUTE-III
- BOUNDING POINT ROUTE-III
- ROAD CENTRE LINE ROUTE -III
- FOREST BOUNDING AREA ROUTE -III (0.956HA)

Office of the Director of Science & Technology
 C.G. Council of Science & Technology,
 Vigyan Bhawan, Daidal Seoni,
 RAIPUR (C.G.)

Chief Engineer (Civil-Prof-I)
 C.S.P.G.C.L., RAIPUR

Road Width from Centre Line: LEFT 5.5, RIGHT 5.5
 Road Length from Start to End: 869.77 (in Meter)
 Protected Forest Area: 0.956 (in Ha.)

DGPS Survey Conducted & Map Prepared By
 Chhattisgarh Council of Science & Technology
 Vigyan Bhawan, Vidhan Sabha Road, Daidal Seoni
 Raipur, (CG) Pin- 492014

MAP SHOWING DGPS SURVEY POINTS OF PROTECTED FOREST AREA UNDER COAL TRANSPORTATION APPROACH ROAD TO RAILWAY SIDING GHARGHODA, SUPERIMPOSED ON SATELLITE IMAGE, VILLAGE - GHARGHODA, TEHSIL - GHARGHODA, DISTRICT - RAIGARH, CHHATTISGARH

ANNEXURE V



SL NO	DESCRIPTION	ROUTE-I	ROUTE-II	ROUTE-III
1	TYPES OF FOREST & COMPARTMENT NO	1235P	1235P	1235P
2	ROAD LENGTH	882.86 Mtr	902.126 Mtr	869.77Mtr
3	BOUNDING AREA	0.971 Ha	0.988 Ha	0.956Ha

DGPS SURVEY COORDINATES OF ROUTE -I			
S No	Survey Id	Latitude	Longitude
1	B1	22° 9' 47.08188" N	83° 19' 53.21127" E
2	B2	22° 9' 47.29651" N	83° 19' 52.89781" E
3	B3	22° 9' 47.50028" N	83° 19' 52.51031" E
4	B4	22° 9' 48.17266" N	83° 19' 51.64881" E
5	B5	22° 9' 48.93227" N	83° 19' 50.80697" E
6	B6	22° 9' 49.62050" N	83° 19' 49.48272" E
7	B7	22° 9' 50.36819" N	83° 19' 48.54011" E
8	B8	22° 9' 51.27895" N	83° 19' 47.00888" E
9	B9	22° 9' 52.15867" N	83° 19' 45.88977" E
10	B10	22° 9' 53.1188" N	83° 19' 45.26887" E
11	B11	22° 9' 54.11516" N	83° 19' 43.86355" E
12	B12	22° 9' 54.00017" N	83° 19' 42.97227" E
13	B13	22° 9' 54.69349" N	83° 19' 41.34221" E
14	B14	22° 9' 55.47824" N	83° 19' 39.97207" E
15	B15	22° 9' 56.46321" N	83° 19' 38.73188" E
16	B16	22° 9' 56.82215" N	83° 19' 37.56837" E
17	B17	22° 9' 57.66898" N	83° 19' 36.23888" E
18	B18	22° 9' 58.49759" N	83° 19' 34.80628" E
19	B19	22° 9' 59.04744" N	83° 19' 33.28364" E
20	B20	22° 9' 59.20593" N	83° 19' 31.99265" E
21	B21	22° 10' 0.09717" N	83° 19' 30.98977" E
22	B22	22° 10' 1.0783" N	83° 19' 31.09140" E
23	B23	22° 10' 2.60192" N	83° 19' 31.37883" E
24	B24	22° 10' 3.57424" N	83° 19' 31.56589" E
25	B25	22° 10' 4.46041" N	83° 19' 31.72630" E
26	B26	22° 10' 4.64451" N	83° 19' 31.75556" E

DGPS SURVEY COORDINATES OF ROUTE -II			
S No	Survey Id	Latitude	Longitude
1	B1	22° 9' 47.08188" N	83° 19' 53.21127" E
2	B2	22° 9' 47.29651" N	83° 19' 52.89781" E
3	B3	22° 9' 47.50028" N	83° 19' 52.51031" E
4	B4	22° 9' 48.17266" N	83° 19' 51.64881" E
5	B5	22° 9' 48.93227" N	83° 19' 50.80697" E
6	B6	22° 9' 49.62050" N	83° 19' 49.48272" E
7	B7	22° 9' 50.36819" N	83° 19' 48.54011" E
8	B8	22° 9' 51.27895" N	83° 19' 47.00888" E
9	B9	22° 9' 52.15867" N	83° 19' 45.88977" E
10	B10	22° 9' 53.1188" N	83° 19' 45.26887" E
11	B11	22° 9' 54.11516" N	83° 19' 43.86355" E
12	B12	22° 9' 54.00017" N	83° 19' 42.97227" E
13	B13	22° 9' 54.69349" N	83° 19' 41.34221" E
14	B14	22° 9' 55.47824" N	83° 19' 39.97207" E
15	B15	22° 9' 56.46321" N	83° 19' 38.73188" E
16	B16	22° 9' 56.82215" N	83° 19' 37.56837" E
17	B17	22° 9' 57.66898" N	83° 19' 36.23888" E
18	B18	22° 9' 58.49759" N	83° 19' 34.80628" E
19	B19	22° 9' 59.04744" N	83° 19' 33.28364" E
20	B20	22° 9' 59.20593" N	83° 19' 31.99265" E
21	B21	22° 10' 0.09717" N	83° 19' 30.98977" E
22	B22	22° 10' 1.0783" N	83° 19' 31.09140" E
23	B23	22° 10' 2.60192" N	83° 19' 31.37883" E
24	B24	22° 10' 3.57424" N	83° 19' 31.56589" E
25	B25	22° 10' 4.46041" N	83° 19' 31.72630" E
26	B26	22° 10' 4.64451" N	83° 19' 31.75556" E

DGPS SURVEY COORDINATES OF ROUTE -III			
S No	Survey Id	Latitude	Longitude
1	C1	22° 9' 49.95940" N	83° 19' 57.30031" E
2	C2	22° 9' 50.26634" N	83° 19' 56.86868" E
3	C3	22° 9' 51.28236" N	83° 19' 55.46512" E
4	C4	22° 9' 52.06878" N	83° 19' 53.98146" E
5	C5	22° 9' 53.05919" N	83° 19' 53.06070" E
6	C6	22° 9' 54.82088" N	83° 19' 49.59007" E
7	C7	22° 9' 56.32366" N	83° 19' 47.23561" E
8	C8	22° 9' 57.31925" N	83° 19' 45.72851" E
9	C9	22° 9' 58.65991" N	83° 19' 43.72889" E
10	C10	22° 9' 59.29393" N	83° 19' 42.28555" E
11	C11	22° 10' 0.16717" N	83° 19' 41.02279" E
12	C12	22° 10' 1.39278" N	83° 19' 40.04954" E
13	C13	22° 10' 2.04089" N	83° 19' 39.32144" E
14	C14	22° 10' 2.40831" N	83° 19' 38.85595" E
15	C15	22° 10' 2.87819" N	83° 19' 38.48537" E
16	C16	22° 10' 2.88732" N	83° 19' 37.85317" E
17	C17	22° 10' 3.04899" N	83° 19' 37.27828" E
18	C18	22° 10' 3.16399" N	83° 19' 36.82397" E
19	C19	22° 10' 3.27496" N	83° 19' 36.50544" E
20	C20	22° 10' 3.28266" N	83° 19' 35.91500" E
21	C21	22° 10' 3.66661" N	83° 19' 34.87607" E
22	C22	22° 10' 4.49201" N	83° 19' 32.76766" E
23	C23	22° 10' 4.90210" N	83° 19' 32.16692" E
24	C24	22° 10' 4.84804" N	83° 19' 31.68010" E
25	C25	22° 10' 4.77041" N	83° 19' 31.05952" E

Legend			
	BASE STATION		
	BRIDGE CENTER		
	DGPS CENTRE POINT ROUTE		
	ROAD CENTRE LINE ROUTE -I		
	ROAD CENTRE LINE ROUTE -II		
	ROAD CENTRE LINE ROUTE -III		
	FOREST BOUNDING AREA ROUTE -I (0.971HA)		
	FOREST BOUNDING AREA ROUTE -II (0.988 HA)		
	FOREST BOUNDING AREA ROUTE -III (0.956HA)		

DGPS Survey Conducted & Map Prepared By
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