

Reference Point Details - Original Route			
Sr.No.	Tower	Longitude	Latitude
1	DD	77° 0' 34.582" E	28° 32' 29.550" N
2	DE	77° 0' 34.358" E	28° 32' 31.308" N
3	AP-1	77° 0' 34.662" E	28° 32' 33.740" N
4	AP2	77° 0' 43.380" E	28° 32' 39.430" N
5	AP-3	77° 0' 51.387" E	28° 32' 48.500" N
6	AP-4	77° 0' 56.698" E	28° 32' 56.964" N
7	AP-5	77° 1' 9.014" E	28° 33' 6.137" N
8	AP-6	77° 1' 17.087" E	28° 33' 6.959" N
9	AP-7	77° 1' 22.853" E	28° 33' 10.284" N
10	AP-7/1	77° 1' 29.098" E	28° 33' 21.300" N
11	AP-8	77° 1' 35.646" E	28° 33' 32.799" N
12	AP9	77° 1' 35.073" E	28° 33' 37.453" N
13	LOC.9/1	77° 1' 37.951" E	28° 33' 41.698" N
14	LOC. 9/2	77° 1' 41.079" E	28° 33' 47.466" N
15	LOC. 9/3	77° 1' 44.676" E	28° 33' 52.772" N
16	LOC. 9/4	77° 1' 48.310" E	28° 33' 58.045" N
17	AP-10	77° 1' 51.944" E	28° 34' 3.383" N
18	LOC. 10/1	77° 1' 55.507" E	28° 34' 6.838" N
19	LOC. 10/2	77° 2' 0.782" E	28° 34' 11.372" N
20	LOC. 10/3	77° 2' 5.725" E	28° 34' 15.846" N
21	AP-11	77° 2' 10.743" E	28° 34' 20.351" N
22	LOC. 11/1	77° 2' 14.129" E	28° 34' 26.115" N
23	AP-12	77° 2' 17.515" E	28° 34' 31.878" N
24	LOC. 12/1	77° 2' 20.454" E	28° 34' 35.408" N
25	AP-13	77° 2' 25.984" E	28° 34' 39.742" N
26	AP-14	77° 2' 25.937" E	28° 34' 43.024" N
27	AP-15	77° 2' 26.407" E	28° 34' 48.344" N
28	AP-16	77° 2' 29.819" E	28° 34' 51.606" N
29	AP-17	77° 2' 27.741" E	28° 34' 58.329" N
30	AP-18	77° 2' 26.290" E	28° 35' 7.024" N
31	AP-19	77° 2' 32.050" E	28° 35' 17.528" N
32	AP-20	77° 2' 34.863" E	28° 35' 20.246" N
33	AP-21	77° 2' 39.259" E	28° 35' 21.090" N
34	AP-22	77° 2' 43.606" E	28° 35' 23.233" N
35	AP-23	77° 2' 52.192" E	28° 35' 25.670" N
36	ap 24	77° 3' 3.166" E	28° 35' 29.824" N
37	ap-25	77° 3' 11.395" E	28° 35' 30.934" N
38	ap-26	77° 3' 16.853" E	28° 35' 33.385" N
39	AP-27	77° 3' 24.255" E	28° 35' 41.134" N
40	AP-28	77° 3' 27.491" E	28° 35' 44.788" N
41	AP-29	77° 3' 32.379" E	28° 35' 48.190" N
42	AP-30	77° 3' 33.442" E	28° 35' 49.830" N
43	400kv Gantry	77° 3' 30.821" E	28° 35' 53.248" N
Total Line Length- 8.6182 km			

Reference Point Details - Alternate Route 1			
Sr.No.	Tower	Longitude	Latitude
1	L2 -9/1	77° 1' 39.410" E	28° 33' 46.810" N
2	L2-9/1	77° 1' 45.130" E	28° 33' 55.330" N
3	L2-10/0	77° 1' 51.000" E	28° 34' 4.010" N
4	L2-10/1	77° 1' 57.730" E	28° 34' 9.760" N
5	L2-11/0	77° 2' 5.330" E	28° 34' 16.180" N

S. Bhardwaj

श्री श्री गणेशाय नमः / S.C. BHARDWAJ
 स. गणेशाय नमः / DGM
 400/200 KV. Substation (Dwarka Sec-3) New Delhi
 Power Grid Corporation of India Ltd.

6	L2-11/1	77° 2' 10.580" E	28° 34' 21.390" N
7	L2-12/0	77° 2' 15.440" E	28° 34' 29.280" N
8	L2-12/1	77° 2' 19.000" E	28° 34' 34.260" N
9	DD	77° 0' 34.582" E	28° 32' 29.550" N
10	DE	77° 0' 34.358" E	28° 32' 31.308" N
11	AP-1	77° 0' 34.662" E	28° 32' 33.740" N
12	AP2	77° 0' 43.380" E	28° 32' 39.430" N
13	AP-3	77° 0' 51.387" E	28° 32' 48.500" N
14	AP-4	77° 0' 56.698" E	28° 32' 56.964" N
15	AP-5	77° 1' 9.014" E	28° 33' 6.137" N
16	AP-6	77° 1' 17.087" E	28° 33' 6.959" N
17	AP-7	77° 1' 22.853" E	28° 33' 10.284" N
18	AP-7/1	77° 1' 29.098" E	28° 33' 21.300" N
19	AP-8	77° 1' 35.646" E	28° 33' 32.799" N
20	AP9	77° 1' 35.073" E	28° 33' 37.453" N
21	LOC. 12/1	77° 2' 20.454" E	28° 34' 35.408" N
22	AP-13	77° 2' 25.984" E	28° 34' 39.742" N
23	AP-14	77° 2' 25.937" E	28° 34' 43.024" N
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27	AP-18	77° 2' 26.290" E	28° 35' 7.024" N
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33	ap 24	77° 3' 3.166" E	28° 35' 29.824" N
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36	AP-27	77° 3' 24.255" E	28° 35' 41.134" N
37	AP-28	77° 3' 27.491" E	28° 35' 44.788" N
38	AP-29	77° 3' 32.379" E	28° 35' 48.190" N
39	AP-30	77° 3' 33.442" E	28° 35' 49.830" N
40	400kv Gantry	77° 3' 30.821" E	28° 35' 53.248" N
Total Line Length - 8.7576 km			

Reference Point Details - Alternate Route 2			
Sr.No.	Tower	Longitude	Latitude
1	L3-12G/0	77° 2' 25.158" E	28° 34' 36.221" N
2	L3-12F/0	77° 2' 24.236" E	28° 34' 32.570" N
3	L3-12E/0	77° 2' 25.682" E	28° 34' 29.481" N
4	L3-12D/0	77° 2' 28.986" E	28° 34' 28.607" N
5	L3-12C/0	77° 2' 34.427" E	28° 34' 27.819" N
6	L3-12B/1	77° 2' 38.551" E	28° 34' 27.409" N
7	L3-12B/0	77° 2' 48.300" E	28° 34' 25.032" N
8	L3-12A/1	77° 2' 52.487" E	28° 34' 17.907" N
9	L3-12A/0	77° 2' 56.437" E	28° 34' 10.942" N
10	L3-12/1	77° 2' 54.282" E	28° 34' 8.019" N
11	L3-12/0	77° 2' 52.078" E	28° 34' 4.468" N
12	L3-11/1	77° 2' 45.513" E	28° 34' 3.629" N
13	L3-11/0	77° 2' 37.304" E	28° 34' 2.130" N
14	L3-10/1	77° 2' 33.067" E	28° 33' 56.856" N
15	L3-10/0	77° 2' 27.484" E	28° 33' 50.848" N

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16	L3-9/3	77° 2' 15.484" E	28° 33' 47.514" N
17	L3-9/2	77° 1' 58.477" E	28° 33' 42.929" N
18	L3-9/1	77° 1' 44.595" E	28° 33' 39.263" N
19	DD	77° 0' 34.582" E	28° 32' 29.550" N
20	DE	77° 0' 34.358" E	28° 32' 31.308" N
21	AP-1	77° 0' 34.662" E	28° 32' 33.740" N
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48	AP-30	77° 3' 33.442" E	28° 35' 49.830" N
49	400kv Gantry	77° 3' 30.821" E	28° 35' 53.248" N
Total Line Length - 10.4867 km			

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