

TECHNICAL APPENDIX 13.2: CONSTRUCTION NOISE ASSESSMENT OF 400 KV OHL

- 1. TECHNICAL APPENDIX 13.2 CONSTRUCTION NOISE ASSESSMENT OF
400 KV OHL** **1-2**

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Table 1-1: BS 5228-1 Assessment – Felling and Access – Evenings and Weekends

NSR	Shortest distance to felling buffer boundary (m)	Daytime Construction Noise Limit (dB)	Total Equivalent Noise Level at 10 m from OHL (dB)	Sound Pressure Level at Receptor (dB)	Construction Noise Limit Exceedance
1	250	55	91	61	6
2	187	55	91	64	9
3	328	55	91	58	3
4	329	55	91	58	3
5	279	55	91	60	5
6	179	55	91	64	9
7	403	55	91	56	1
8	256	55	91	61	6
9	277	55	91	60	5
10	234	55	91	61	6
11	236	55	91	61	6
12	281	55	91	60	5
13	236	55	91	61	6
14	229	55	91	62	7

Table 1-2: BS 5228-1 Assessment – Foundations and Access – Evenings and Weekends

NSR	Shortest distance to OHL (m)	Daytime Construction Noise Limit (dB)	Total Equivalent Noise Level at 10 m from OHL (dB)	Sound Pressure Level at Receptor (dB)	Construction Noise Limit Exceedance
1	340	55	85	52	-3
2	277	55	85	54	-1
3	378	55	85	50	-5
4	379	55	85	50	-5
5	329	55	85	52	-3
6	269	55	85	54	-1
7	493	55	85	48	-7
8	346	55	85	51	-4

9	367	55	85	51	-4
10	324	55	85	52	-3
11	326	55	85	52	-3
12	371	55	85	51	-4
13	326	55	85	52	-3
14	319	55	85	52	-3

Table 1-3: BS 5228-1 Assessment – Tower Erection – Evenings and Weekends

NSR	Shortest distance to OHL (m)	Daytime Construction Noise Limit (dB)	Total Equivalent Noise Level at 10 m from OHL (dB)	Sound Pressure Level at Receptor (dB)	Construction Noise Limit Exceedance
1	340	55	84	51	-4
2	277	55	84	53	-2
3	378	55	84	49	-6
4	379	55	84	49	-6
5	329	55	84	51	-4
6	269	55	84	53	-2
7	493	55	84	47	-8
8	346	55	84	50	-5
9	367	55	84	50	-5
10	324	55	84	51	-4
11	326	55	84	51	-4
12	371	55	84	50	-5
13	326	55	84	51	-4
14	319	55	84	51	-4

Table 1-4: BS 5228-1 Assessment – Stringing – Evenings and Weekends

NSR	Shortest distance to OHL (m)	Daytime Construction Noise Limit (dB)	Total Equivalent Noise Level at 10 m from OHL (dB)	Sound Pressure Level at Receptor (dB)	Construction Noise Limit Exceedance
1	340	55	74	44	-11
2	277	55	74	45	-10
3	378	55	74	40	-15
4	379	55	74	40	-15

5	329	55	74	41	-14
6	269	55	74	47	-8
7	493	55	74	40	-15
8	346	55	74	42	-13
9	367	55	74	41	-14
10	324	55	74	42	-13
11	326	55	74	41	-14
12	371	55	74	40	-15
13	326	55	74	41	-14
14	319	55	74	41	-14