

# **Environmental Impact Assessment (EIA) Report**

## ***LT384 Tealing to Westfield Overhead Line (OHL) 400 kV Upgrade***

***November 2024***



## VOLUME 4: APPENDIX 14.4 - CONSTRUCTION ACTIVITY

Table 14.4- 1 Worst Case Construction Activities and Associated Noise Levels for Felling Works

Activity	Plant Item	Quantity	Utilisation %	Sound Power, LW (dB(A))	Sound Power corrected for quantity and utilisation, LW (dB(A))	L <sub>Aeq</sub> at 10 m (dB)
Felling	Forwarder	1	100%	84	84	56
	Harvester	1	100%	92	92	64
	Wood Chipper	1	100%	119	119	91
	Tracked Excavator	1	100%	105	105	77
<b>Total</b>					119	91

Table 14.4- 2 Worst Case Construction Activities and Associated Noise Levels for Foundations

Activity	Plant Item	Quantity	Utilisation %	Sound Power, LW (dB(A))	Sound Power corrected for quantity and utilisation, LW (dB(A))	L <sub>Aeq</sub> at 10 m (dB)
Foundations	C4.27 Concrete mixer truck	2	100%	107	110	82
	C4.24 Concrete pump + cement mixer truck (discharging)	2	100%	96	99	71
	C2.15 Tracked excavator	2	50%	104	104	76
	C4.33 Poker vibrator	2	50%	106	106	78
	C4.95 Handheld cordless nail gun	2	50%	101	101	73
<b>Total</b>					113	85

Table 14.4- 3 Worst Case Construction Activities and Associated Noise Levels for Stringing

Activity	Plant Item	Quantity	Utilisation %	Sound Power, LW (dB(A))	Sound Power corrected for quantity and utilisation, LW (dB(A))	L <sub>Aeq</sub> at 10 m (dB)
Stringing	C3.7 Power pack	2	100%	98	101	73
	C4.57 Lifting platform	2	50%	95	95	67
<b>Total</b>					102	81

Table 14.4- 4 Worst Case Construction Activities and Associated Noise Levels for Dismantling

Activity	Plant Item	Quantity	Utilisation %	Sound Power, LW (dB(A))	Sound Power corrected for quantity and utilisation, LW (dB(A))	L <sub>Aeq</sub> at 10 m (dB)
Dismantling	C4.49 Tower crane	1	100%	105	105	77
	C2.29 Tracked excavator	1	100%	106	106	78
<b>Total</b>					109	81