

Project : Agreement No. CE 32/2014 (HY) Elevated Pedestrian Corridor in Yuen Long Town Connecting with Long Ping Station – Investigation, Design and Construction
Title : Appendix 5.2 -- SWL of PME

PME	% Operati on	Unmitigated SWLs				Quiet Plant			Mitigated Scenario			
		ID	Description	PME SWL, dB(A)	Unmitigated SWL, dB(A) [1]	ID	PME SWL, dB(A)	Quiet Plant SWL, dB(A) [1]	Enclosure	Movable Noise Barrier	Acoustic mat	Mitigated SWL, dB(A) [1]
Air compressor, air flow > 10m3/min and <= 30 m3/min	100	CNP 002	Air compressor, air flow > 10m3/min and <= 30 m3/min	102	102			102	-15	0	0	87
Bar bender and cutter (electric)	100	CNP 021	Bar bender and cutter (electric)	90	90			90	0	0	0	90
Breaker - hand-held - mass > 10 kg and < 20 kg	70	CNP 024	Breaker - hand-held - mass > 10 kg and < 20 kg	108	106	e.g. Multi-purpose breaker (e.g. Atlas Copco -- LH 400 E)	106	104	0	-10	0	94
Breaker - hand-held - mass > 20 kg and < 35 kg	70	CNP 025	Breaker - hand-held - mass > 20 kg and < 35 kg	111	109	e.g. Multi-purpose breaker (e.g. Atlas Copco -- LH 400 E)	106	104	0	-10	0	94
Backhoe	100	CNP 082	Backhoe	94	94			94	0	-5	0	89
Concrete lorry mixer	70	CNP 044	Concrete lorry mixer	109	107			107	0	-5	0	102
Concrete pump, stationary/lorry mounted	70	CNP 047	Concrete pump, stationary/lorry mounted	109	107			107	0	-10	0	97
Crane, mobile/barge mounted (diesel)	100	CNP 048	Crane, mobile/barge mounted (diesel)	112	112	EPD-01516	101	101	0	-5	0	96
Dump truck	70	CNP 067	Dump truck	117	115	Dump truck EPD/PME/38	105	103	0	-5	0	98
Generator, super silenced, 70 dB(A) at 7 m	100	CNP 103	Generator, super silenced, 70 dB(A) at 7 m	95	95			95	-15	0	0	80
Grout mixer	100	[2]	Grout mixer	90	90			90	0	-10	0	80
Grout pump	100	[2]	Grout pump	105	105			105	0	-10	0	95
Poker, vibratory, hand-held	100	CNP 170	Poker, vibratory, hand-held	113	113	CPME CNP 173	102	102	0	-5	0	97
Roller, vibratory	100	CNP 186	Roller, vibratory	108	108	QPME (EPD-00509)	95	95	0	-5	0	90
Saw - circular and wood	100	CNP 201	Saw - circular and wood	108	108	e.g. Makita 5703R (Also see BS5228-D7-79) [3]	103	103	0	-5	0	98
Water pump (electric)	100	CNP 281	Water pump (electric)	88	88			88	0	0	0	88
Piling rig (H pile)	100		Rotary drilling rig (e.g. Liebherr Rotary Drilling Rig LB28-320)	112	112			112	-15	0	0	97
Piling rig (Diaphragm wall)	100	CNP 162	Piling, diaphragm wall, bentonite filtering plant	105	105			105	-15	0	0	90

Note:
 [1] SWL with utilisation rates adjustment. The utilization rates for each work front during different periods have been reviewed by the engineer and have been concluded to be practicable for the purpose of this EIA (refer to Section 5.3.3 in EIA Chapter 5)
 [2] The SWL of grout mixer and grout pump could be found in http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf
 [3] PME is for reference only, contractor(s) can use other brands or series of this kind of PME with same of lower SWL.