

PME	% Operation	Corr, dB(A)	Unmitigated SWLs					Quiet Plant				Mitigated Scenario			
			ID	Description	Power rating Size, wieght	PME SWL, dB(A)	Unmitigated SWL, dB(A)	ID	Power rating Size, wieght	PME SWL, dB(A)	Quiet Plant SWL, dB(A)	Enclosure, dB(A)	Barrier, dB(A)	Total Reduction, dB(A)	Mitigated SWL, dB(A)
Air Compressor (CNP002) (30%)	30	-5	CNP002	Air compressor, air flow > 10m ³ /min and =< 30m ³ /min	-	102	97				97	-15		-15	82
Air Compressor (CNP003) (50%)	50	-3	CNP003	Air compressor, air flow > 30m ³ /min	-	104	101				101	-15		-15	86
Air Compressor (CNP003) (70%)	70	-2	CNP003	Air compressor, air flow > 30m ³ /min	-	104	102				102	-15		-15	87
Air Compressor (CNP003) (100%)	100	0	CNP003	Air compressor, air flow > 30m ³ /min	-	104	104				104	-15		-15	89
Asphalt Paver (CNP004) (30%)	30	-5	CNP004	Asphalt paver	-	109	104	EPD-01226	VOLVO, Model: ABG5770	104	99		-5	-5	94
Asphalt Paver (CNP004) (40%)	40	-4	CNP004	Asphalt paver	-	109	105	EPD-01226	VOLVO, Model: ABG5770	104	100		-5	-5	95
Asphalt Paver (CNP004) (50%)	50	-3	CNP004	Asphalt paver	-	109	106	EPD-01226	VOLVO, Model: ABG5770	104	101		-5	-5	96
Bar Bender and Cutter (Electric) (CNP021) (30%)	30	-5	CNP021	Bar bender and cutter (electric)	-	90	85				85		-10	-10	75
Bar Bender and Cutter (Electric) (CNP021) (50%)	50	-3	CNP021	Bar bender and cutter (electric)	-	90	87				87		-10	-10	77
Bar Bender and Cutter (Electric) (CNP021) (80%)	80	-1	CNP021	Bar bender and cutter (electric)	-	90	89				89		-10	-10	79
Bar Bender and Cutter (Electric) (CNP021) (100%)	100	0	CNP021	Bar bender and cutter (electric)	-	90	90				90		-10	-10	80
Hand Held Breaker (CNP025) (30%)	30	-5	CNP025	Breaker, hand held, mass => 20kg and <= 35kg	-	111	106				106		-10	-10	96
Concrete Lorry Mixer (CNP044) (30%)	30	-5	CNP044	Concrete lorry mixer	-	109	104				104		-5	-5	99
Concrete Lorry Mixer (CNP044) (40%)	40	-4	CNP044	Concrete lorry mixer	-	109	105				105		-5	-5	100
Concrete Lorry Mixer (CNP044) (50%)	50	-3	CNP044	Concrete lorry mixer	-	109	106				106		-5	-5	101
Concrete Lorry Mixer (CNP044) (60%)	60	-2	CNP044	Concrete lorry mixer	-	109	107				107		-5	-5	102
Concrete pump (CNP047) (30%)	30	-5	CNP047	Concrete pump, stationary / lorry mounted	-	109	104				104	-15		-15	89
Concrete pump (CNP047) (60%)	60	-2	CNP047	Concrete pump, stationary / lorry mounted	-	109	107				107	-15		-15	92
Concrete pump (CNP047) (100%)	100	0	CNP047	Concrete pump, stationary / lorry mounted	-	109	109				109	-15		-15	94
Mobile Crane (CNP048) (30%)	30	-5	CNP048	Crane, mobile / barge mounted (diesel), P >55	-	112	107	EPD-01516	KOBELCO, Model:CKS900	101	96		-5	-5	91
Mobile Crane (CNP048) (50%)	50	-3	CNP048	Crane, mobile / barge mounted (diesel), P >55	-	112	109	EPD-01516	KOBELCO, Model:CKS900	101	98		-5	-5	93
Mobile Crane (CNP048) (80%)	80	-1	CNP048	Crane, mobile / barge mounted (diesel), P >55	-	112	111	EPD-01516	KOBELCO, Model:CKS900	101	100		-5	-5	95
Compactor, vibratory (CNP050) (30%)	30	-5	CNP050	Compactor, vibrator	-	105	100	EPD-00085	DYNAPAC, Model: LF62	102	97		-5	-5	92
Compactor, vibratory (CNP050) (50%)	50	-3	CNP050	Compactor, vibrator	-	105	102	EPD-00085	DYNAPAC, Model: LF62	102	99		-5	-5	94
Grinder (CNP 065) (50%)	50	-3	CNP065	Drill / grinder, hand-held (electric)	-	98	95				95		-5	-5	90
Dump Truck (CNP068) (30%)	30	-5	CNP068	Dump truck (5.5 tonne < gross vehicle weight <=38 tonne	-	105	100				100		-5	-5	95
Dump Truck (CNP068) (40%)	40	-4	CNP068	Dump truck (5.5 tonne < gross vehicle weight <=38 tonne	-	105	101				101		-5	-5	96
Dump Truck (CNP068) (50%)	50	-3	CNP068	Dump truck (5.5 tonne < gross vehicle weight <=38 tonne	-	105	102				102		-5	-5	97
Drill Rig, rotary type (Diesel)(CNP072)(50%)	50	-3	CNP072	Drill Rig, rotary type (Diesel)	-	110	107				107		-10	-10	97
Excavator (CNP081) (30%)	30	-5	CNP081	Excavator / loader, wheeled / tracked	-	112	107	EPD-02101	YANMAR, Model: SV08-1A	90	85		-5	-5	80
Excavator (CNP081) (50%)	50	-3	CNP081	Excavator / loader, wheeled / tracked	-	112	109	EPD-02101	YANMAR, Model: SV08-1A	90	87		-5	-5	82
Excavator (CNP081) (80%)	80	-1	CNP081	Excavator / loader, wheeled / tracked	-	112	111	EPD-02101	YANMAR, Model: SV08-1A	90	89		-5	-5	84
Excavator (CNP081) (100%)	100	0	CNP081	Excavator / loader, wheeled / tracked	-	112	112	EPD-02101	YANMAR, Model: SV08-1A	90	90		-5	-5	85
Backhoe (CNP081) (30%)	30	-5	CNP081	Excavator / loader, wheeled / tracked	-	112	107	EPD-02101	YANMAR, Model: SV08-1A	90	85		-5	-5	80
Backhoe (CNP081) (50%)	50	-3	CNP081	Excavator / loader, wheeled / tracked	-	112	109	EPD-02101	YANMAR, Model: SV08-1A	90	87		-5	-5	82
Backhoe (CNP081) (100%)	100	0	CNP081	Excavator / loader, wheeled / tracked	-	112	112	EPD-02101	YANMAR, Model: SV08-1A	90	90		-5	-5	85
Generator (CNP101) (100%)	100	0	CNP101	Generator, standard	-	108	108	EPD-02175	DENYO, Model:DCA-45ESI	89	89	-15		-15	74
Generator (CNP103) (50%)	50	-3	CNP103	Generator, super silenced, 70 db(A) at 7 m	-	95	92	EPD-02175	DENYO, Model:DCA-45ESI	89	86	-15		-15	71
Generator (CNP103) (80%)	80	-1	CNP103	Generator, super silenced, 70 db(A) at 7 m	-	95	94	EPD-02175	DENYO, Model:DCA-45ESI	89	88	-15		-15	73
Generator (CNP103) (100%)	100	0	CNP103	Generator, super silenced, 70 db(A) at 7 m	-	95	95	EPD-02175	DENYO, Model:DCA-45ESI	89	89	-15		-15	74
Grout Mixer (CNP105) (30%)	30	-5	CNP105	Grout Mixer	-	90	85				85	-15		-15	70
Grout Mixer (CNP105) (100%)	100	0	CNP105	Grout Mixer	-	90	90				90	-15		-15	75
Grout Pump (CNP106) (100%)	100	0	CNP106	Grout Pump	-	105	105				105	-15		-15	90
Hoist, Passenger / Material (CNP 122) (50%)	50	-3	CNP122	Hoist, passenger / material (electric)	-	95	92				92		-5	-5	87
Lorry (CNP141) (30%)	30	-5	CNP141	Lorry	-	112	107	CPME#	5.5 tonnes <gross vehicle weight ≤38 tonne	105	100		-5	-5	95
Lorry (CNP141) (50%)	50	-3	CNP141	Lorry	-	112	109	CPME#	5.5 tonnes <gross vehicle weight ≤38 tonne	105	102		-5	-5	97
Lorry (CNP142) (30%)	30	-5	CNP142	Lorry 5.5 tonnes < gross vehicle weight ≤38 tonnes	-	105	100				100		-5	-5	95
Lorry (CNP142) (50%)	50	-3	CNP142	Lorry 5.5 tonnes < gross vehicle weight ≤38 tonnes	-	105	102				102		-5	-5	97
Piling, Diaphragm Wall, Hydraulic Extractor (CNP 163) (50%)	50	-3	CNP163	Piling, D-wall, hydraulic extractor	-	90	87				87		-5	-5	82
Piling, large dia bored, reverse circulation drill (CNP166) (50%)	50	-3	CNP166	Piling, large dia bored, reverse circulation drill	-	100	97				97		-10	-10	87
Piling, large dia bored, reverse circulation drill (CNP166) (70%)	70	-2	CNP166	Piling, large dia bored, reverse circulation drill	-	100	98				98		-10	-10	88
Power rammer (petrol) (CNP 169) (50%)	50	-3	CNP169	Power rammer (petrol)	-	108	105	EPD-00536	Dynapac, Model: LT700	107	104		-10	-10	94
Vibratory Poker (CNP170) (30%)	30	-5	CNP170	Poker, vibratory, hand held	-	113	108	EPD-00509	SAKAI, Model: SW250-1	95	90		-10	-10	80
Vibratory Poker (CNP170) (50%)	50	-3	CNP170	Poker, vibratory, hand held	-	113	110	EPD-00509	SAKAI, Model: SW250-1	95	92		-10	-10	82
Vibratory Poker (CNP170) (80%)	80	-1	CNP170	Poker, vibratory, hand held	-	113	112	EPD-00509	SAKAI, Model: SW250-1	95	94		-10	-10	84
Vibrating Hammer (CNP172) (30%)	30	-5	CNP172	Piling, vibrating hammer	-	115	110				110		-10	-10	100
Vibrating Hammer (CNP172) (50%)	50	-3	CNP172	Piling, vibrating hammer	-	115	112				112		-10	-10	102
Poker, vibratory, hand-held (electric) (CNP 173) (50%)	50	-3	CNP173	Poker, vibratory, hand-held (electric)	-	102	99	Others			99		-10	-10	89
Roller (CNP185) (30%)	30	-5	CNP185	Road Roller	-	108	103	EPD-01806	KANTO-TK, Model: KV25DS	95	90		-5	-5	85
Roller (CNP185) (50%)	50	-3	CNP185	Road Roller	-	108	105	EPD-01806	KANTO-TK, Model: KV25DS	95	92		-5	-5	87
Roller, Vibratory (CNP 186) (30%)	30	-5	CNP186	Roller, vibratory	-	108	103	EPD-03756	SAKAI, Model: SW502S-1	94	89		-5	-5	84
Roller, Vibratory (CNP 186) (50%)	50	-3	CNP186	Roller, vibratory	-	108	105	EPD-03756	SAKAI, Model: SW502S-1	94	91		-5	-5	86
Saw, Concrete (CNP 203) (30%)	30	-5	CNP203	Saw / groover, concrete (petrol)	-	115	110				110		-10	-10	100
Water pump (CNP281) (Electric) (100%)	100	0	CNP281	Water pump (electric)	-	88	88				88		-10	-10	78
Water Pump, Submersible (Electric) (CNP 283) (50%)	50	-3	CNP283	Water pump, submersible (electric)	-	85	82				82		-10	-10	72

Note:
 [1] SWL with utilisation rates adjustment
 [2] Piling, Diaphragm Wall, Hydraulic Extractor (CNP 163) = Piling Extractor (CNP 163)