

Appendix 4.5.3 SWL of PME

Reference	Identification Code	Description	Unit Sound Power Level, dB(A)	Brand	Model	Serial No.
GW-TM	CNP 001	Air Compressor, air flow < 10m3/min	100			
	CNP 002	Air Compressor, air flow > 10m3/min and < 30m3/min	102			
	CNP 003	Air Compressor, air flow > 30m3/min	104			
	CNP 004	Asphalt paver	109			
	CNP 005	Agitator (electric)	90			
	CNP 006	Air blower (electric)	95			
	CNP 021	Bar bender and cutter (electric)	90			
	CNP 022	Batching plant	108			
	CNP 023	Breaker, hand-held, mass < 10kg	108			
	CNP 024	Breaker, hand-held, mass > 10kg and < 20kg	108			
	CNP 025	Breaker, hand-held, mass > 20kg and < 35kg	111			
	CNP 026	Breaker, hand-held, mass > 35kg	114			
	CNP 027	Breaker, excavator mounted (pneumatic)	122			
	CNP 028	Breaker, excavator mounted (hydraulic)	122			
	CNP 029	Ballast tamper, hand-held (electric)	105			
	CNP 030	Bulldozer	115			
	CNP 031	Breaker, mini-robot mounted (electric)	115			
	CNP 041	Conveyor belt	90			
	CNP 042	Concrete core	117			
	CNP 043	Chipper, hand-held (pneumatic)	112			
	CNP 044	Concrete lorry mixer	109			
	CNP 045	Concrete mixer (electric)	96			
	CNP 046	Concrete mixer (petrol)	96			
	CNP 047	Concrete pump, stationary/lorry mounted	109			
	CNP 048	Crane, mobile/barge mounted (diesel)	112			
	CNP 049	Crane, tower (electric)	95			
	CNP 050	Compactor, vibratory	105			
	CNP 051	Concrete burster	90			
	CNP 052	Concrete crusher, mini-robot mounted (electric)	94			
	CNP 053	Concrete crusher, hand-held	97			
	CNP 054	Concrete pump (electric)	109			
	CNP 055	Concrete crusher, excavator mounted	103			
	CNP 056	Cutter, circular, steel (electric)	112			
	CNP 061	Derrick barge	104			
	CNP 062	Dredger, chain bucket	118			
	CNP 063	Dredger, grab	112			
	CNP 064	Drill, percussive, hand-held (electric)	103			
	CNP 065	Drill/grinder, hand-held (electric)	98			
	CNP 066	Dumper	106			
	CNP 067	Dump truck, gross vehicle weight > 38 tonne	117			
	CNP 068	Dump truck, 5.5 tonne < gross vehicle weight < 38 tonne	105			
	CNP 069	Dump truck, with grab, 5.5 tonne < gross vehicle weight < 38 tonne	105			
	CNP 070	Dredger, suction	103			
	CNP 071	Drill, hand-held (dry cell)	89			
	CNP 072	Drill rig, rotary type (diesel)	110			
	CNP 081	Excavator/loader, wheeled/tracked	112			
	CNP 082	Excavator, mini-robot mounted (electric)	94			
	CNP 101	Generator, standard	108			
	CNP 102	Generator, silenced, 75dB(A) at 7m	100			
	CNP 103	Generator, super silenced, 70dB(A) at 7m	95			
	CNP 104	Grader	113			
	CNP 105	Grout mixer	90			
	CNP 106	Grout pump	105			
	CNP 121	Hoist, passenger/material (pneumatic)	108			
	CNP 122	Hoist, passenger/material (electric)	95			
	CNP 123	Hoist, passenger/material (petrol)	104			
	CNP 131	Jig-saw, hand-held, wood (electric)	99			
	CNP 141	Lorry, gross vehicle weight > 38 tonne	112			
	CNP 142	Lorry, 5.5 tonne < gross vehicle weight < 38 tonne	105			
	CNP 143	Light goods vehicle, gross vehicle weight < 5.5 tonne	101			
	CNP 144	Lorry, with crane, gross vehicle weight > 38 tonne	112			
	CNP 145	Lorry, with crane, 5.5 tonne < gross vehicle weight < 38 tonne	105			
	CNP 161	Paint line marker	90			
	CNP 162	Piling, diaphragm wall, bentonite filter plant	105			
	CNP 163	Piling, diaphragm wall, hydraulic extractor	90			
	CNP 164	Piling, large diameter bored, grab and chisel	115			
	CNP 165	Piling, large diameter bored, oscillator	115			
	CNP 166	Piling, large diameter bored, reverse circulation drill	100			
	CNP 167	Piling, earth auger, auger	114			
	CNP 168	Power pack for hand-held items of PME	100			
	CNP 169	Power rammer (petrol)	108			
	CNP 170	Poker, vibratory, hand-held	113			
	CNP 171	Planer, wood, hand-held (electric)	117			
	CNP 172	Piling, vibrating hammer	112			
	CNP 173	Poker, vibratory, hand-held (electric)	94			
	CNP 174	Power pack (diesel)	100			
	CNP 175	Power swivel	100			
	CNP 176	Paint line marker (low pressure)	87			
	CNP 177	Paint line remover	104			
	CNP 181	Rock drill, crawler mounted (pneumatic)	128			
	CNP 182	Rock drill, crawler mounted (hydraulic)	123			
	CNP 183	Rock drill, hand-held (pneumatic)	116			
	CNP 184	Road planer or miller	111			
	CNP 185	Road roller	108			
	CNP 186	Roller, vibratory	108			
	CNP 187	Road grinder (petrol)	108			
	CNP 188	Road sweeper	107			
	CNP 189	Road ripper, mini-robot mounted (electric)	97			
	CNP 190	Road ripper, excavator mounted (hydraulic)	105			
	CNP 201	Saw, circular, wood	108			
	CNP 202	Saw, chain, hand-held	114			
	CNP 203	Saw/groover, concrete (petrol)	115			
	CNP 204	Scraper	119			
	CNP 205	Saw, wire	101			
	CNP 206	Soil pump	103			
	CNP 221	Tug boat	110			
	CNP 222	Tractor	118			
	CNP 241	Ventilation fan	108			
	CNP 281	Winch (pneumatic)	110			
	CNP 282	Winch (electric)	95			
	CNP 283	Winch (petrol)	102			
	CNP 281	Water pump (electric)	88			
	CNP 282	Water pump (petrol)	103			
	CNP 283	Water pump, submersible (electric)	85			
	CNP 284	Water jetting unit (diesel), silenced	94			
	CNP 285	Water jetting unit (diesel), standard	107			
EPD Sound power levels of other commonly used PME	OCUPME-001	Agitator (electric)	90			
	OCUPME-002	Air blower (electric)	95			
	OCUPME-003	Breaker, mini-robot mounted	115			
	OCUPME-004	Concrete burster	94			
	OCUPME-005	Concrete crusher mini-robot mounted	94			
	OCUPME-006	Concrete crusher, hand held	97			
	OCUPME-007	Concrete pump (electric)	109			
	OCUPME-008	Concrete crusher, excavator mounted	103			
	OCUPME-009	Cutter, circular, steel (electric)	112			
	OCUPME-010	Dredger, suction	103			
	OCUPME-011	Drill, hand-held (battery)	89			
	OCUPME-012	Drill rig, rotary type (diesel)	110			
	OCUPME-013	Excavator, mini-robot mounted	94			
	OCUPME-014	Grout mixer	90			
	OCUPME-015	Grout pump	105			
	OCUPME-016	Generator, portable	100			
	OCUPME-017	Jig-saw, hand-held, wood (electric)	99			

	OCUPME-018	Piling, vibrating hammer	115			
	OCUPME-019	Poker, vibratory, hand-held (electric)	102			
	OCUPME-020	Power pack (diesel)	100			
	OCUPME-021	Power swivel	100			
	OCUPME-022	Paint line marker (low pressure)	87			
	OCUPME-023	Paint line remover	104			
	OCUPME-024	Road grinder (petrol)	108			
	OCUPME-025	Road sweeper	107			
	OCUPME-026	Road ripper, mini-robot mounted	97			
	OCUPME-027	Road ripper, excavator mounted	105			
	OCUPME-028	Saw, wire	101			
	OCUPME-029	Soil pump	103			
	OCUPME-030	Water jetting unit (diesel), silenced	94			
	OCUPME-031	Water jetting unit (diesel), standard	107			
	OCUPME-032	Lorry, gross vehicle weight > 38 tonne	112			
	OCUPME-033	Lorry, 5.5 tonne < gross vehicle weight ≤ 38 tonne	105			
	OCUPME-034	Light goods vehicle, gross vehicle weight ≤ 5.5 tonne	101			
	OCUPME-035	Lorry, with crane/grab, gross vehicle weight > 38 tonne	112			
	OCUPME-036	Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≤ 38 tonne	105			
	OCUPME-037	Dump truck, gross vehicle weight > 38 tonne	117			
	OCUPME-038	Dump truck, 5.5 tonne < gross vehicle weight ≤ 38 tonne	105			
	OCUPME-039	Dump truck, with grab, 5.5 tonne < gross vehicle weight ≤ 38 tonne	105			
QPME (from EPD Website)	EPD-00054	Compactor, vibratory	102	Dynapac	LF 62	2620CN020
	EPD-00591	Roller, vibratory	105	DYNAPAC	CC122	60119997
	EPD-00599	Excavator, wheeled/tracked	103	CATERPILLAR	330D	RD400210
	EPD-00627	Roller, vibratory	108	WACKER	RD7H-S	5851163
	EPD-00647	Roller, vibratory	107	BOIAG	BW 177 DH-4	101583321042
	EPD-00772	Excavator, wheeled/tracked	103	CATERPILLAR	330D	CAT0330DLLDR00333
	EPD-00773	Excavator, wheeled/tracked	103	CATERPILLAR	330D	CAT0330DANEF00237
	EPD-00906	Roller, vibratory	108	HAMM	HD 110	H1740395
	EPD-01036	Roller, vibratory	104	HAMM	HD 8 VV	H199 0183
	EPD-01082	Roller, vibratory	106	DYNAPAC	CC224HF	284500136
	EPD-01140	Roller, vibratory	107	DYNAPAC	CA252D	10000109L0A005534
	EPD-01141	Roller, vibratory	107	DYNAPAC	CA252D	10000109H0A005535
	EPD-01142	Roller, vibratory	106	DYNAPAC	CC142	10000309A0A005768
	EPD-01143	Roller, vibratory	106	DYNAPAC	CC142	10000309L0A005769
	EPD-01145	Excavator, wheeled/tracked	99	CATERPILLAR	320D	CAT0320DHAZR03079
	EPD-01226	Asphalt paver	104	VOLVO	ABG5770	VCEP5770KH770071
	EPD-01425	Crane, mobile	103	NISSHA	DH900-5	D11280
	EPD-01434	Crane, mobile	106	KOBELCO	BM900HD-2F	GK04-03455
	EPD-01435	Crane, mobile	104	KOBELCO	CKE2500-2	JD04-02641
	EPD-01455	Crane, mobile	115	LIEBHERR	HS 885 HD	187510
	EPD-01477	Crane, mobile	104	KOBELCO	CKE2500-2	JD04-02697
	EPD-01478	Crane, mobile	115	LIEBHERR	HS 885 HD	187515
	EPD-01487	Crane, mobile	105	LIEBHERR	LR1160	134155
	EPD-01488	Crane, mobile	115	LIEBHERR	HS 885 HD	187463
	EPD-01489	Crane, mobile	115	LIEBHERR	HS 885 HD	187483
	EPD-01490	Crane, mobile	115	LIEBHERR	HS 885 HD	187484
	EPD-01692	Generator	93	DENYO	DCA-220ESM	3868849
	EPD-02215	Road roller	97	HITACHI	CP220-3	HCM8UC00A00030585
	EPD-01806	Road roller	95	KANTO-TK	KV25DS	3012
	EPD-02046	Excavator, wheeled/tracked (Backhoe)	101	DOOSAN	DX140LCR	DHKCEBAIPD0005944
Approved EIA report (AEIAR-189/2015)	Komatsu Model D21A-B	Buildzer	102			