РМЕ	TM or other reference	SWL, dB(A)	No. of PME per group	% on time	Screening Effect, dB(A)	Noise Mitigation Measures	Total SWL, dB(A)
Advanced Works							
Activity 1 - Aviation Fuel Pipeline Diversion Drill rig, rotary type (diesel)	[1]	110	2	70%	-10	Movable Barrier	101
Piling, diaphragm wall, bentonite filtering plant	CNP 162	105	2	100%	-10	Movable Barrier	98
Welding plant	[2]	78	5	70%	-10	Movable Barrier	73
Tug boat	CNP 221	110	3	80%			114
Derrick barge	CNP 061	104	2	80%			106
			Total SW	L, dB (A)			115
Activity 2 - Power Cable Diversion Drill rig, rotary type (diesel)	[1]	110	2	70%	-10	Movable Barrier	101
Piling, diaphragm wall, bentonite filtering plant	CNP 162	105	2	100%	-10	Movable Barrier	98
Welding plant	[2]	78	5	70%	-10	Movable Barrier	73
Tug boat	CNP 221	110	3	80%			114
Derrick barge	CNP 061	104	2	80%			106
	•		Total SW	L, dB (A)			115
Land Formation Construction Activities							
Activity 3 - Sand Blanket Laying Dredger, suction	[4]	103	1	909/			102
Water pump (electric)	[1] CNP 281	88	1	80% 100%	-10	Movable Barrier	78
Derrick barge	CNP 061	104	1	80%	-10	NOVADIE Darrier	103
Demok barge		104	Total SW				105
				, (//)			100
Activity 4 - Steel Cell							
Steel Cell Barge	CNP 061	104	1	80%			103
Tug boat	CNP 221	110	2	80%			112
Derrick barge	CNP 061	104	1	80%			103
			Total SW	L, dB (A)			113
Activity Eq. Cround Tractment by DOM Down			_				
Activity 5a - Ground Treatment by DCM Barge Dredger, grab	CNP 063	112	1	80%			111
Tug boat	CNP 063 CNP 221	112	2	80%			112
Derrick barge	CNP 221 CNP 061	104	1	80%			103
Water pump (electric)	CNP 281	88	1	100%	-10	Movable Barrier	78
		00	Total SW		-10	Movable Damer	115
Activity 5b - Ground Treatment by PVD Barge							
Dredger, grab	CNP 063	112	1	80%			111
Tug boat	CNP 221	110	1	80%			109
			Total SW	L, dB (A)			113
Activity 5c - Ground Treatment by Stone Column (Water Based)							
Stone Column Barge	CNP 063	112	1	80%			111
Tug boat	CNP 221	110	2	80%			112
Dredger, grab	CNP 063	112	1	80%			111
			Total SW	L, dB (A)			116
Asticity Ed. One of Transformed by Otana Oslama (Land Dasad)							
Activity 5d - Ground Treatment by Stone Column (Land Based) Drill rig, rotary type (diesel)	[1]	110	1	50%	-10	Movable Barrier	97
Generator, standard	CNP 101	108	1	80%	-10	Noise Enclosure	92
Dredger, grab	CNP 063	112	1	80%	10		111
Crane, mobile	EPD- 01516	101	1	80%	-5	Movable Barrier	95
	•		Total SW	L, dB (A)			111
Activity 5e - Ground Treatment by Sand Drains Barge	CNP 063	440	1	0.00/			444
Stone Drain Barge Tug boat	CNP 003	112 110	2	80% 80%			111 112
Dredger, grab	CNP 063	112	1	80%			111
			Total SW	L, dB (A)			116
Activity 6 - Seawall Construction		101		0.021			100
Derrick lighter Derrick barge (delivery of rock)	CNP 061 CNP 061	104 104	1	80% 80%			103 103
Derrick barge (delivery of rock) Derrick barge (delivery of precast unit)	CNP 061 CNP 061	104	1	80%			103
Tug boat	CNP 001	110	1	80%			103
nug boar		110	Total SW				111
				, (.)			
Activity 7 - Marine Sand Filling					-		
Dredger, suction	[1]	103	1	80%			102
Water pump (electric)	CNP 281	88	1	100%	-10	Movable Barrier	78
Derrick barge	CNP 061	104	1 Tatal CW	80%			103
			Total SW	∟, uB (A)	l		106
Activity 8a - Filling Above Water (Public Fill)				_			
Derrick barge	CNP 061	104	1	80%			103
Conveyor belt	CNP 041	90	1	80%			89
Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	3	50%	-5	Movable Barrier	102
Bulldozer, wheeled	EPD- QPME	110	1	80%	-5	Movable Barrier	104
Roller, vibratory	EPD- 00591	105	1	80%	-5	Movable Barrier	99
			Total SW	L, dB (A)	L		108
Activity 9b - Filling Above Weter (Cond Fill)							
Activity 8b - Filling Above Water (Sand Fill) Dredger, suction	[1]	103	1	80%			102
Water pump (electric)	CNP 281	88	1	100%	-5	Movable Barrier	83
Derrick barge	CNP 061	104	1	80%	5		103
Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	104	5	50%	-5	Movable Barrier	103
Bulldozer, wheeled	EPD- QPME	110	1	80%	-5	Movable Barrier	104
			Total SW				109
·							

РМЕ	TM or other reference	SWL, dB(A)	No. of PME per group	% on time	Screening Effect, dB(A)	Noise Mitigation Measures	Total SWL, dB(A)
Activity 8c - Compaction							
Compactor, vibratory	EPD- 00054	102	1	80%	-5	Movable Barrier	96
Generator, standard	CNP 101	108	1	100%	-15	Noise Enclosure	93
Crane, mobile	EPD- 01516	101	1	80%	-5	Movable Barrier	95
			Total SW	L, dB (A)			100
Activity 9a - Placement of Surcharge							
Derrick barge	CNP 061	104	1	80%			103
Convevor belt	CNP 041	90	1	80%			89
Dump truck , 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Bulldozer, wheeled	EPD- QPME	110	1	80%	-5	Movable Barrier	100
		110	Total SW		-0	Novable Damer	107
Activity 9b - Removal of Surcharge		404		0.00/			100
Derrick barge	CNP 061	104	1	80%			103
Conveyor belt	CNP 041	90	1	80%			89
Dump truck , 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Excavator, wheeled/tracked	EPD- 01230	99	3	80%	-5	Movable Barrier	98
			Total SW	′L, dB (A)			106
Construction of Extension of South Perimeter Road Activity - Roadworks		102		400%	45	Neize Freiseure	00
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	-15	Noise Enclosure	90
Asphalt paver	CNP 00075	106	1	80%	-5	Movable Barrier	100
Breaker, hand-held, mass > 10kg and < 20kg	CNP 024	108	2	50%	-10	Movable Barrier	98
Breaker, excavator mounted (hydraulic)	CNP 028	122	2	80%	-10	Movable Barrier	114
Ballast tamper, hand-held (electric)	CNP 029	105	2	50%	-10	Movable Barrier	95
Bulldozer, wheeled	EPD- QPME	110	1	50%	-5	Movable Barrier	102
Concrete lorry mixer	CNP 044	109	2	50%	-5	Movable Barrier	104
Crane, mobile	CNP 01516	101	2	80%	-5	Movable Barrier	98
Compactor, vibratory	CNP 00054	102	2	50%	-5	Movable Barrier	97
Drill rig, rotary type (diesel)	[1]	110	1	50%	-10	Movable Barrier	97
Excavator, wheeled/tracked	EPD- 01230	99	2	80%	-5	Movable Barrier	96
Generator, silenced, 75 dB(A) at 7 m	CNP 102	100	2	70%	-5	Movable Barrier	96
Grader	CNP 104	113	1	50%	-5	Movable Barrier	105
Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Piling, large diameter bored, reverse circulation drill	CNP 166	100	2	50%	-10	Movable Barrier	90
Poker, vibratory, hand-held (electric)	[1]	102	2	50%	-5	Movable Barrier	97
Road roller	CNP 00223	99	2	50%	-5	Movable Barrier	94
	CNP 00591	105	2	50%	-5	Movable Barrier	100
Roller, vibratory	011 00001						
Roller, vibratory Water pump, submersible (electric)	CNP 283	85	2	100%	-10	Movable Barrier	78
		85 105	2	100% 50%	-10 -5	Movable Barrier Movable Barrier	78 100

Note: [1] Extracted from EPD document namely, "Sound Power Levels of Other Commonly Used PME" <u>http://www.epd.gov.hk/epd/english/application\_for\_licences/guidance/files/OtherSWLe.pdf</u> [2] SWL is referred to the Appendix 5.1 of approved EIA Report of Hong Kong Section of Guangzhou - Shenzhen - Hong Kong Express Rail Link (AEIAR-143/2009).

РМЕ	TM or other reference	SWL, dB(A)	No. of PME per group	% on time	Screening Effect, dB(A)	Noise Mitigation Measures	Total SWL, dB(A)
Terminal 2 & Roadworks Construction Activities							
Activity 1 - Advance Works for T2 Expansion Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	1	100%	-15	Movable Barrier	87
Breaker, hand-held, mass > 10kg and < 20kg	CNP 002 CNP 024	102	2	50%	-10	Movable Barrier	98
Concrete lorry mixer	CNP 044	109	2	50%	-5	Movable Barrier	104
Crane, mobile	EPD- 01516	101	1	80%	-5	Movable Barrier	95
Dump truck , 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Drill rig, rotary type (diesel)	[1]	110	1	50%	-10	Movable Barrier	97
Excavator, wheeled/tracked	EPD- 01230	99	1	80%	-5	Movable Barrier	93
Generator, silenced, 75 dB(A) at 7 m Lorry, with crane/grab, 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	CNP 102 [1]	100 105	1 2	69% 50%	-15 -5	Noise Enclosure Movable Barrier	83 100
Piling, large diameter bored, reverse circulation drill	CNP 166	105	2	50%	-10	Movable Barrier	90
Poker, vibratory, hand-held (electric)	[1]	100	1	50%	-5	Movable Barrier	94
Water pump, submersible (electric)	CNP 283	85	1	100%	-10	Movable Barrier	75
			Total SW	'L, dB (A)			108
Activity 2 - Piling and D-wall							
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	-15	Noise Enclosure	90
Bar bender and cutter (electric)	CNP 021	90	2	100%	-10	Movable Barrier	83
Concrete lorry mixer	CNP 044	109	2	50%	-5	Movable Barrier	104
Concrete pump, stationary/ lorry mounted	CNP 047 EPD- 01516	109 101	2	50% 80%	-10 -5	Movable Barrier	99 98
Crane, mobile Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	EPD- 01516 [1]	101	2	80% 50%	-5 -5	Movable Barrier Movable Barrier	98
Generator, silenced, 75 dB(A) at 7 m	CNP 102	105	2	70%	-15	Noise Enclosure	86
Welding plant	[2]	78	2	80%	-10	Movable Barrier	70
Piling, diaphragm wall, bentonite filtering plant	CNP 162	105	2	100%	-10	Movable Barrier	98
Piling, diaphragm wall, hydraulic extractor	CNP 163	90	2	100%	-10	Movable Barrier	83
Piling, large diameter bored, reverse circulation drill	CNP 166	100	2	70%	-10	Movable Barrier	91
Water pump, submersible (electric)	CNP 283	85	2 Total SW	100% L, dB (A)	-10	Movable Barrier	78 108
			10141 311	L, UB (A)			100
Activity 3 - AIS / BHS Sub-Structure		1			. –		1
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	-15	Noise Enclosure	90
Breaker, hand-held, mass >= 20kg and <= 35kg Concrete lorry mixer	CNP 025 CNP 044	111 109	2	50% 50%	-10 -5	Movable Barrier Movable Barrier	101 104
Crane, mobile	EPD- 01516	103	2	50%	-5	Movable Barrier	96
Concrete burster	[1]	90	2	80%	-10	Movable Barrier	82
Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Dump truck, with grab, 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Drill rig, rotary type (diesel)	[1]	110	2	50%	-10	Movable Barrier	100
Excavator, wheeled/tracked	EPD- 01230	99	2	70%	-5	Movable Barrier	95
Excavator, mini-robot mounted Generator, silenced, 75 dB(A) at 7 m	[1] CNP 102	94 100	2	50% 50%	-5 -15	Movable Barrier Noise Enclosure	89 85
Grout mixer	[1]	90	2	50%	-10	Movable Barrier	80
Grout pump	[1]	105	2	50%	-10	Movable Barrier	95
Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Piling, large diameter bored, reverse circulation drill	CNP 166	100	2	70%	-10	Movable Barrier	91
Poker, vibratory, hand-held (electric)	[1]	102	2	50%	-5	Movable Barrier	97
Water pump (electric)	CNP 281	88	2 Total SW	50% L. dB (A)	-10	Movable Barrier	78 110
			TUIAI SW	L, UD (A)	I		110
Activity 4 - Superstructure			-				1
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	-15	Noise Enclosure	90
Chipper, hand-held (pneumatic)	CNP 043	112	2	50%	-10	Movable Barrier	102
Concrete lorry mixer Concrete pump, stationary/ lorry mounted	CNP 044 CNP 047	109 109	2	50% 50%	-5 -10	Movable Barrier Movable Barrier	104 99
Crane, mobile	EPD- 01516	109	2	80%	-10	Movable Barrier	99
Generator, silenced, 75 dB(A) at 7 m	CNP 102	100	2	100%	-15	Noise Enclosure	88
Poker, vibratory, hand-held (electric)	[1]	102	2	50%	-5	Movable Barrier	97
Saw, circular, wood	CNP 201	108	2 Total SW	100%	-10	Movable Barrier	101
			I otal SW	'L, dB (A)	I		109
Activity 5 - Existing Structural Modification							
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	-15	Noise Enclosure	90
Chipper, hand-held (pneumatic)	CNP 043	112	2	50%	-10	Movable Barrier	102
Concrete lorry mixer	CNP 044	109	2	50%	-5	Movable Barrier	104
Concrete pump, stationary/ lorry mounted	CNP 047	109	1	50%	-10	Movable Barrier Noise Enclosure	96
Generator, silenced, 75 dB(A) at 7 m Poker, vibratory, hand-held (electric)	CNP 102 [1]	100 102	1 2	100% 50%	-15 -5	Movable Barrier	85 97
		102	2	100%	-5 -10		101
Saw, circular, wood	CINP /UI					wovable barrier	
Saw, circular, wood	CNP 201	100		L, dB (A)	-10	Movable Barrier	101

РМЕ	TM or other reference	SWL, dB(A)	No. of PME per group	% on time	Screening Effect, dB(A)	Noise Mitigation Measures	Total SWL, dB(A)
ctivity 6 - ABWF & E&M Works							
rane, mobile	EPD- 01516	101	2	80%	-5	Movable Barrier	98
rill/grinder, hand-held (electric)	CNP 065	98	2	50%	-10	Movable Barrier	88
ump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
loist, passenger/ material (electric)	CNP 122	95	2	100%	-5	Movable Barrier	93
orry, 5.5 tonne < gross vehicle weight ≦38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
ower pack for hand-held items of PME	CNP 168	100	2	50%	-10	Movable Barrier	90
			Total SW	L, dB (A)			105
ctivity 7 - At-Grade & Elevated Road Works							
ir compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	-15	Noise Enclosure	90
reaker, hand-held, mass > 10kg and < 20kg	CNP 024	108	2	50%	-10	Movable Barrier	98
concrete lorry mixer	CNP 044	109	2	50%	-5	Movable Barrier	104
concrete pump, stationary/ lorry mounted	CNP 047	109	1	50%	-10	Movable Barrier	96
rane, mobile	EPD- 01516	101	2	80%	-5	Movable Barrier	98
ump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
rill rig, rotary type (diesel)	[1]	110	2	50%	-10	Movable Barrier	100
xcavator, wheeled/tracked	EPD- 01230	99	2	80%	-5	Movable Barrier	96
enerator, silenced, 75 dB(A) at 7 m	CNP 102	100	2	69%	-15	Noise Enclosure	86
/elding plant	[2]	78	2	70%	-10	Movable Barrier	69
orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
iling, large diameter bored, reverse circulation drill	CNP 166	100	2	50%	-10	Movable Barrier	90
oker, vibratory, hand-held (electric)	[1]	102	2	50%	-5	Movable Barrier	97
/ater pump, submersible (electric)	CNP 283	85	2	100%	-10	Movable Barrier	78
			Total SW				109
oadworks at South Cargo Area Construction Activities							
ctivity 1 - Viaduct Roads							
ir compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	-15	Noise Enclosure	90
reaker, hand-held, mass > 10kg and < 20kg	CNP 024	108	1	50%	-10	Movable Barrier	95
allast tamper, hand-held (electric)	CNP 029	105	1	50%	-10	Movable Barrier	92
ompactor, vibratory	EPD- 00054	102	1	50%	-5	Movable Barrier	94
enerator, silenced, 75 dB(A) at 7 m	CNP 102	100	1	70%	-15	Noise Enclosure	83
				70%	-5	Movable Barrier	
/elding plant	[2]	78	2	1070		wovable barrier	74
	[2] CNP 166	78 100	2	50%	-10	Movable Barrier	74 87
/elding plant iling, large diameter bored, reverse circulation drill oad roller	CNP 166	-				Movable Barrier	
iling, large diameter bored, reverse circulation drill oad roller	CNP 166 EPD- 00223	100 99	1 1	50% 50%	-10 -5	Movable Barrier Movable Barrier	87 91
iling, large diameter bored, reverse circulation drill	CNP 166	100	1	50% 50% 50%	-10	Movable Barrier	87
iling, large diameter bored, reverse circulation drill oad roller /ater pump, submersible (electric)	CNP 166 EPD- 00223	100 99	1 1 2	50% 50% 50%	-10 -5	Movable Barrier Movable Barrier	87 91 75
iling, large diameter bored, reverse circulation drill oad roller /ater pump, submersible (electric) ctivity 2 - At-grade Roads	CNP 166 EPD- 00223 CNP 283	100 99 85	1 1 2 Total SW	50% 50% 50% L, dB (A)	-10 -5 -10	Movable Barrier Movable Barrier Movable Barrier	87 91 75 <b>100</b>
iling, large diameter bored, reverse circulation drill oad roller /ater pump, submersible (electric) ctivity 2 - At-grade Roads ir compressor, air flow > 10m3/min and <= 30m3/min	CNP 166 EPD- 00223 CNP 283	100 99 85 102	1 1 2 Total SW	50% 50% 50% L, dB (A)	-10 -5 -10 -15	Movable Barrier Movable Barrier Movable Barrier Noise Enclosure	87 91 75 <b>100</b> 90
iling, large diameter bored, reverse circulation drill oad roller /ater pump, submersible (electric) ctivity 2 - At-grade Roads ir compressor, air flow > 10m3/min and <= 30m3/min allast tamper, hand-held (electric)	CNP 166 EPD- 00223 CNP 283 CNP 002 CNP 002 CNP 029	100 99 85 102 105	1 2 Total SW	50% 50% 50% L, dB (A) 100% 50%	-10 -5 -10 -15 -10	Movable Barrier Movable Barrier Movable Barrier Noise Enclosure Movable Barrier	87 91 75 <b>100</b> 90 95
iling, large diameter bored, reverse circulation drill coad roller /ater pump, submersible (electric) ctivity 2 - At-grade Roads ir compressor, air flow > 10m3/min and <= 30m3/min allast tamper, hand-held (electric) ienerator, silenced, 75 dB(A) at 7 m	CNP 166 EPD- 00223 CNP 283 CNP 002 CNP 029 CNP 102	100 99 85 102 105 100	1 2 Total SW 2 2 2	50% 50% 50% L, dB (A) 100% 50% 70%	-10 -5 -10 -15 -10 -15	Movable Barrier Movable Barrier Movable Barrier Noise Enclosure Movable Barrier Noise Enclosure	87 91 75 <b>100</b> 90 95 86
iling, large diameter bored, reverse circulation drill coad roller /ater pump, submersible (electric) ctivity 2 - At-grade Roads ir compressor, air flow > 10m3/min and <= 30m3/min allast tamper, hand-held (electric) ienerator, silenced, 75 dB(A) at 7 m orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne	CNP 166 EPD- 00223 CNP 283 CNP 002 CNP 002 CNP 029 CNP 102 [1]	100 99 85 102 105 100 105	1 1 2 Total SW 2 2 2 1	50% 50% 50% L, dB (A) 100% 50% 70% 50%	-10 -5 -10 -15 -10 -15 -5	Movable Barrier Movable Barrier Movable Barrier Noise Enclosure Movable Barrier Noise Enclosure Movable Barrier	87 91 75 <b>100</b> 90 95 86 97
iling, large diameter bored, reverse circulation drill oad roller /ater pump, submersible (electric) ctivity 2 - At-grade Roads ir compressor, air flow > 10m3/min and <= 30m3/min allast tamper, hand-held (electric) ienerator, silenced, 75 dB(A) at 7 m orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne iling, large diameter bored, reverse circulation drill	CNP 166 EPD- 00223 CNP 283 CNP 002 CNP 029 CNP 102 [1] CNP 166	100 99 85 102 105 100 105 100	1 1 2 Total SW 2 2 2 1 2	50% 50% L, dB (A) 100% 50% 70% 50%	-10 -5 -10 -15 -10 -15 -5 -10	Movable Barrier Movable Barrier Movable Barrier Noise Enclosure Movable Barrier Noise Enclosure Movable Barrier Movable Barrier	87 91 75 <b>100</b> 90 95 86 97 90
iling, large diameter bored, reverse circulation drill coad roller /ater pump, submersible (electric) ctivity 2 - At-grade Roads ir compressor, air flow > 10m3/min and <= 30m3/min allast tamper, hand-held (electric) ienerator, silenced, 75 dB(A) at 7 m orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne	CNP 166 EPD- 00223 CNP 283 CNP 002 CNP 002 CNP 029 CNP 102 [1]	100 99 85 102 105 100 105	1 1 2 Total SW 2 2 2 1	50% 50% 50% L, dB (A) 100% 50% 70% 50%	-10 -5 -10 -15 -10 -15 -5	Movable Barrier Movable Barrier Movable Barrier Noise Enclosure Movable Barrier Noise Enclosure Movable Barrier	87 91 75 <b>100</b> 90 95 86 97

Total

SWL,

dB(A)

95

96

97

98

113

90

94

97 112

81

101 104

100

100

109

Movable Barrier

Movable Barrier

Movable Barrier

РМЕ	TM or other reference	SWL, dB(A)	No. of PME per group	% on time	Screening Effect, dB(A)	Noise Mitigation Measures
Construction of Intermodal Transfer Terminal (Concurrent Project	:)		3 p			
Activity 1 - Advance Works Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	1	100%	10	Moveble Derrier
Breaker, hand-held, mass >= 20kg and <= 35kg	CNP 002 CNP 025	102	1	50%	-10 -10	Movable Barrier Movable Barrier
Concrete lorry mixer	CNP 044	109	1	50%	-5	Movable Barrier
Crane, mobile	EPD- 01516	101	1	60%	-5	Movable Barrier
Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	50%	-5	Movable Barrier
Excavator, wheeled/tracked	EPD- 01230	99 100	1	100%	-5	Movable Barrier
Generator, silenced, 75 dB(A) at 7 m Lorry, with crane/grab, 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	CNP 102 [1]	100	1	100% 70%	-15 -5	Noise Enclosure Movable Barrier
Poker, vibratory, hand-held (electric)	[1]	103	1	50%	-5	Movable Barrier
		•	Total SW	L, dB (A)	•	
Activity to Decelyasty						
Activity 1a - Roadworks Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	-15	Noise Enclosure
Asphalt paver	EPD- 00075	102	1	80%	-5	Movable Barrier
Breaker, hand-held, mass > 10kg and < 20kg	CNP 024	108	2	50%	-10	Movable Barrier
Conveyor belt	CNP 041	90	2	80%		
Concrete pump, stationary/ lorry mounted	CNP 047	109	2	80%	-10	Movable Barrier
Crane, tower (electric) Generator, standard	CNP 049 CNP 101	95 108	2	80% 80%	-5 -15	Movable Barrier Noise Enclosure
Crane, mobile	EPD- 01516	103	2	80%	-13	Movable Barrier
Compactor, vibratory	CNP 00054	102	1	50%	-5	Movable Barrier
Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	50%	-5	Movable Barrier
Drill rig, rotary type (diesel)	[1]	110	1	50%	-10	Movable Barrier
Excavator, wheeled/tracked	EPD- 01230 CNP 102	99 100	2	80% 70%	-5 -15	Movable Barrier Noise Enclosure
Generator, silenced, 75 dB(A) at 7 m Grader	CNP 102 CNP 104	113	2	50%	-15 -5	Movable Barrier
Lorry, with crane/grab, 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	[1]	105	2	50%	-5	Movable Barrier
Poker, vibratory, hand-held (electric)	[1]	102	2	50%	-5	Movable Barrier
Road roller	CNP 00223	99	2	50%	-5	Movable Barrier
Roller, vibratory	CNP 00591	105	1	50%	-5	Movable Barrier
Water pump, submersible (electric)	CNP 283	85	2 Total SW	100% L dB (A)	-10	Movable Barrier
			rotar orr	2, 02 (/ 1)		
Activity 1b - BHS	-					
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	-15	Noise Enclosure
Breaker, hand-held, mass > 10kg and < 20kg Breaker, excavator mounted (hydraulic)	CNP 024 CNP 028	108 122	2	50% 50%	-10 -10	Movable Barrier Movable Barrier
Crane, mobile	EPD- 01516	122	1	80%	-10	Movable Barrier
Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	50%	-5	Movable Barrier
Welding plant	[2]	78	1	70%	-10	Movable Barrier
Piling, large diameter bored, reverse circulation drill	CNP 166	100	2	70%	-10	Movable Barrier
Water pump, submersible (electric)	CNP 283	85	1 Total SW	100% L, dB (A)	-10	Movable Barrier
			TUIDI SVV	L, UD (A)		
Activity 1c - APM						
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	-15	Noise Enclosure
Breaker, excavator mounted (pneumatic)	CNP 027	122	2	50%	-10	Movable Barrier
Chipper, hand-held (pneumatic) Concrete lorry mixer	CNP 043 CNP 044	112 109	1 2	50% 50%	-10 -5	Movable Barrier Movable Barrier
Concrete pump, stationary/ lorry mounted	CNP 044 CNP 047	109	1	50%	-5	Movable Barrier
Crane, mobile	EPD- 01516	101	2	50%	-5	Movable Barrier
Crane, tower (electric)	CNP 049	95	1	100%	-5	Movable Barrier
Concrete burster	[1]	90	1	80%	-10	Movable Barrier
Dump truck , 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	[1]	105 105	2	50% 50%	-5	Movable Barrier
Dump truck, with grab, 5.5 tonne < gross vehicle weight $\leq$ 38 tonne Excavator, wheeled/tracked	[1] EPD- 01230	99	1 2	50%	-5 -5	Movable Barrier Movable Barrier
Generator, silenced, 75 dB(A) at 7 m	CNP 102	100	2	100%	-15	Noise Enclosure
Hoist, passenger/ material (electric)	CNP 122	95	1	100%	-5	Movable Barrier
Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne	[1]	105	1	50%	-5	Movable Barrier
Poker, vibratory, hand-held (electric)	[1]	102	2	50%	-5	Movable Barrier
Rock drill, crawler mounted (hydraulic) Saw, circular, wood	CNP 182 CNP 201	123 108	1	80% 100%	-10 -10	Movable Barrier Movable Barrier
Ventilation fan	CNP 201	108	1	100%	-10	Movable Barrier
Water pump (electric)	CNP 281	88	2	100%	-10	Movable Barrier
			Total SW			
Activity 2 Main works				_		
Activity 2 - Main works Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	-15	Noise Enclosure
Breaker, hand-held, mass >= 20kg and <= 35kg	CNP 002 CNP 025	102	2	50%	-10	Movable Barrier
Concrete lorry mixer	CNP 044	109	2	50%	-5	Movable Barrier
Crane, mobile	EPD- 01516	101	1	60%	-5	Movable Barrier
Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	50%	-5	Movable Barrier
Drill rig, rotary type (diesel) Excavator, wheeled/tracked	[1] EPD- 01230	110 99	1 2	70%	-10 -5	Movable Barrier
Excavator, wheeled/tracked Generator, silenced, 75 dB(A) at 7 m	CNP 102	99 100	2	100% 100%	-5 -15	Movable Barrier Noise Enclosure
Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne	[1]	100	2	50%	-15	Movable Barrier
Lorry, with crane/grap, 5.5 toppe < gross vehicle weight $\leq$ 38 toppe	[1]	105	1	70%	-5	Movable Barrier

[1]

[1]

CNP 281

Total SWL, dB (A)

70%

50%

50%

-5

-5

-10

Lory, with crane/grab, 5.5 tonne < gross vehicle weight  $\leq$  38 tonne Poker, vibratory, hand-held (electric)

Water pump (electric)

Asphalt paver         EPD-00075         100         1         80%         -5.         Movabe Barrier         90           Ballest numbelut         CNP 029         106         2         50%         -10.         Movabe Barrier         90           Ballest numbelut         CNP 029         106         2         50%         -10.         Movabe Barrier         90           Camp Data         CNP 029         106         2         50%         -5.         Movabe Barrier         10           Camp Data         CPD 01516         101         2         80%         -5.         Movabe Barrier         10           Opmp Data         CSD 0151         101         2         80%         -5.         Movabe Barrier         10           Opm ptruck, 5.5 tonne < grass vehicle weight 3.8 tonne	РМЕ	TM or other reference	SWL, dB(A)	No. of PME per group	% on time	Screening Effect, dB(A)	Noise Mitigation Measures	Total SWL, dB(A)
Asphati paver         EPD-00075         106         1         80%         1.0         Movabe Barrier         10           Ballest immer, hand-held, mass > 106g and < 20kg         CMP 024         106         2         50%         -10         Movabe Barrier         98           Ballest immer, hand-held (hedric)         CMP 024         106         2         50%         -5         Movabe Barrier         90           Compandor, Vintaria         CMP 0241         10         1         20%         -5         Movabe Barrier         90           Damp tuck, 5.5 torne < gross vehick weight 3.8 torne         11         106         2         50%         -5         Movabe Barrier         90           Damp tuck, 5.5 torne < gross vehick weight 3.8 torne         11         106         2         50%         -5         Movabe Barrier         90           Lory, who tarse/grab, 5.5 torne < gross vehick weight 3.8 torne         (11)         100         2         50%         -5         Movabe Barrier         90           Lory, who tarse/grab, 5.5 torne < gross vehick weight 3.8 torne         (11)         100         2         50%         -5         Movabe Barrier         90           Lory, who tarse/grab, 5.5 torne < gross vehick weight 3.8 torne         (11)         100         2	Activity 2a - Bonded Road	•						,
Breaker, mans-1 blog and < 20kg         CNP 024         106         2         50%         -10         Movable Barrier         98           Buldstour, wheeled         CNP 024M         101         1         50%         -10         Movable Barrier         90           Concrete fory more         CNP 024M         100         2         50%         -5         Movable Barrier         10           Concrete fory more         CCP 024M         100         2         20%         -5         Movable Barrier         10           Concrete fory more         CSP 04A         100         2         20%         -5         Movable Barrier         10           Darit gruts. Science sprass which weight 5 38 torne         11         100         1         50%         -5         Movable Barrier         10           Grader         Conv. microix Science sprass which weight 5 38 torne         CNP 101         11         50%         -5         Movable Barrier         10           Conv. micrain/grad. Science sprass which weight 5 38 torne         CNP 102         100         2         50%         -5         Movable Barrier         10           Conv. wind carrier barrier         CNP 102         100         2         50%         -5         Movable Barrier         10 </td <td>Air compressor, air flow &gt; 10m3/min and &lt;= 30m3/min</td> <td></td> <td></td> <td>2</td> <td></td> <td></td> <td></td> <td>90</td>	Air compressor, air flow > 10m3/min and <= 30m3/min			2				90
Ballast grunger, hand-held (ledaric)         CHP 029         100         Movabe Barrier         10           Cancers tory mixer         CHP 044         100         1         50%         -5         Movabe Barrier         10           Canner, mohai         EPO-0166         101         2         80%         -5         Movabe Barrier         10           Canner, mohai         EPO-0166         101         2         80%         -5         Movabe Barrier         10           Canner, mohai         EPO-0166         101         2         80%         -5         Movabe Barrier         10           Grander         EPO-01230         90         2         80%         -5         Movabe Barrier         10           Exacutor, wheeled/face/ad         EPO-01230         90         2         80%         -5         Movabe Barrier         10           Exacutor, wheeled/face/ad         EPO-11230         90         2         80%         -5         Movabe Barrier         10           Exacutor         CNP 104         113         1         50%         -5         Movabe Barrier         10           Parrier, farter, hander, hander hander         CNP 104         102         2         50%         -5         Mo								100
Buildizzer, wheeled         CNP CPME         110         1         50%         -5         Morabe Barrier         10           Cancette form/mare         CNP Q44         109         2         50%         -5         Morabe Barrier         10           Cancette form/mare         CNP Q046         102         2         50%         -5         Morabe Barrier         50           Cancette form/mare         CNP Q046         102         2         50%         -5         Morabe Barrier         50           Drill (f) cataly type (fless)         CNP Q044         102         2         50%         -5         Morabe Barrier         50           Grader         CNP 104         110         11         50%         -5         Morabe Barrier         50           Grader         CNP 104         113         155%         -5         Morabe Barrier         50           Grader         CNP 104         103         1         55%         -5         Morabe Barrier         50           Grader         Corty wind cance/grade social weight ≤ 38 tome         (11)         105         2         50%         -5         Morabe Barrier         50           Road and social weight ≤ 38 tome         CNP 1049         102								98
Charle tory mater         CNP 044         100         2         50%         -5.         Movable Barrier         91           Canage, mobile         EPD-01516         101         2         80%         -5.         Movable Barrier         91           Compactor, site storm < gross vehicle weight ≤ 38 torme								95
Crane, mobile         EPD- 01516         101         2         80%         -5         Movable Barrier         91           Compactor, Viratory         CNP 00054         102         25%         -5         Movable Barrier         10           Dimp truck, 55 forme - gross vehicle weight ≤ 38 tonne         11         110         50%         -5         Movable Barrier         10           Dimp truck, 55 forme - gross vehicle weight ≤ 38 tonne         11         110         50%         -1         Novable Barrier         10           Brankator, Minecked/Tasked         EPD- 01230         99         2         80%         -5         Movable Barrier         90           Marking Barrier         Dim Church 100         100         10         2         50%         -5         Movable Barrier         10           Marking Barrier         Dim Church 100         101         102         2         50%         -5         Movable Barrier         90           Roler, Unbartory         CNP 00221         99         105         1         50%         Movable Barrier         90           Roler, Unbartory         CNP 00221         102         2         100%         -15         Movable Barrier         90           Roler, Unbartory								102
Compactor, vibratory         CNP 00054         102         2         50%         4-5         Movable Barrier         90           Drill Fg, totary type (desel)         [1]         105         2         50%         4-5         Movable Barrier         90           Compact Lock, 55 forme - gross whicle weight ≤ 38 torme         [1]         100         2         69%         4-5         Movable Barrier         90           Compact Lock, 55 torme - gross whicle weight ≤ 38 torme         CNP 102         100         2         69%         4-5         Movable Barrier         90           Compact Lock, 55 torme - gross whicle weight ≤ 38 torme         CNP 102         100         2         50%         4-0         Movable Barrier         90           Compact Lock, 55 torme - gross whicle weight ≤ 38 torme         [1]         110         122         50%         4-0         Movable Barrier         90           Road roler         CNP 00223         99         1         50%         -5         Movable Barrier         90           Road roler         CNP 00223         99         1         50%         -5         Movable Barrier         70           Road roler         CNP 0021         102         2         100%         -10         Movable Barrier								
Dump truck, 5.5 forme - gross vehicle weight ≦ 38 forme         [1]         [10]         [10]         [11]         [10]         [11]         [10]         [11]         [10]         [11]         [10]         [11]         [10]         [11]         [10]         [11]         [10]         [11]         [10]         [11]         [10]         [11]         [10]         [11]         [10]         [11]         [10]         [11]         [11]         [10]         [11]         [10]         [11]								97
Dirit ng. today. ype (diesei)         Image: today. ype (diesei)								100
Excavator, wheeleddracked         EPD-01230         98         2         80%         -5         Movable Barrier         98           Grader         CNP 102         110         113         1         50%         -5         Movable Barrier         10           Lorry, with cranelyzia, 5.5 torne < gross vehicle weight \$3 80 nme								97
Grader         CNP 104         113         1         50%         -5         Movable Barrier         10           Pling, large diameter bore, reverse circulation drill         CNP 166         100         2         50%         -5         Movable Barrier         10           Pling, large diameter bore, reverse circulation drill         CNP 1022         99         1         50%         -5         Movable Barrier         90           Road roller         CNP 0023         99         1         50%         -5         Movable Barrier         90           Roller, vibratory         CNP 0023         100         1         50%         -5         Movable Barrier         90           Water pump, submersible (electric)         CNP 0021         102         2         100%         -10         Movable Barrier         71           Ar compressor, air flow > 10m 3/min and <= 30/3/min		EPD- 01230	99	2	80%	-5	Movable Barrier	96
Lony, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne	Generator, silenced, 75 dB(A) at 7 m			2			Noise Enclosure	86
Pling, targe dameter bord, reverse directation drift         CNP 166         100         2         50%         i-10         Movable Barrier         90           Road roller         CNP 0022         99         1         50%         -5         Movable Barrier         90           Road roller         CNP 0023         99         1         50%         -5         Movable Barrier         90           Road roller         CNP 0023         85         2         100%         -5         Movable Barrier         90           Water pump, submersable (electric)         CNP 0021         90         2         100%         -10         Movable Barrier         91           Activity 2b - BRH & coach hall         Total SWL, dB (A)         111         112         2         50%         -10         Movable Barrier         90           Breaker, hand-heid, mass > 10% and < 20g								105
Poker, Vibratory, hand-held (electric)         [1]         102         2         50%         4.5         Movable Barrier         9.9           Road roller         CNP 00233         90         1         50%         -5         Movable Barrier         9.9           Roller, Vibratory         CNP 00231         105         1         50%         -5         Movable Barrier         77           Roller, Vibratory         CNP 283         85         2         100%         -10         Movable Barrier         77           Activity 2b - BRH & coach hall         Attrongmeson, riffows - 10m3/min and <= 30m3/min								100
Road roller         CNP 00223         99         1         50%         F5         Movable Barrier         9           Water pump, submersible (electric)         CNP 00591         105         1         50%         -5         Movable Barrier         9           Water pump, submersible (electric)         CNP 00591         105         1         50%         -5         Movable Barrier         77           Activity 20 - BRH & coach hall         Total SWL, dB (A)         11         10%         -10         Movable Barrier         78           Ar compressor, air flow > 10m3/min and < 30m3/min								90
Roller, Vubratory         CNP 00591         105         100%         -5         Movable Barrier         97           Water pump, submersible (electric)         CNP 283         85         2         100%         -10         Movable Barrier         77           Activity 29 - BRH & coach hall         Attrongmessor, aif flow > 10m3/min and <= 30m3/min								
Water pump, submersible (electric)         CNP 283         35         2         100%         -10         Movable Barrier         77           Activity 2D - BRH & coach hall         Total SWL, dB (A)         11         11           Arr compressor, air flow > 10m3/min and <= 30m3/min								91 97
Total SWL, dB (A)         Total SWL, dB (A)         11           Activity 2b - BRH & coach hall         Activity 2b - BRH & coach hall         Noise Enclosure         91           Bar bender and outler (electric)         CNP 002         102         2         100%         -15         Noise Enclosure         99           Bar bender and outler (electric)         CNP 024         108         2         50%         -10         Movable Barrier         90           Chipper, hand-held (meansatic)         CNP 044         109         2         50%         -10         Movable Barrier         10           Concrete pump, stationary lorry mounted         CNP 044         109         2         50%         -5         Movable Barrier         90           Crane, mobile         EPD- 01516         101         2         50%         -5         Movable Barrier         90           Dump truck, sic 5 tonne < gross vehicle weight ≦ 38 tonne								78
Activity 2b - BRH & coach hall         CNP         Out         100%         -15         Noise Enclosure         99           Air compressor, air flow > 10m3/min and <= 30m3/min			55			10	movable barriel	112
Air compressor, air flow > 10m3/min d <= 30m3/min       CNP 002       102       2       100%       -161       Movable Barrier       98         Bar bender and outter (electric)       CNP 024       100       100       Movable Barrier       98         Breaker, hand-held, mass > 10kg and < 20kg					_, (,			
Bar bender and outter (electric)         CNP 021         90         2         100%         Howable Barrier         88           Brakker, hand-held (pneumatic)         CNP 043         112         2         50%         -10         Movable Barrier         10           Concrete long mixer         CNP 043         112         2         50%         -5         Movable Barrier         10           Concrete long mixer         CNP 044         109         2         50%         -5         Movable Barrier         10           Cancer to pump, stationary long mounted         CNP 047         109         2         100%         -5         Movable Barrier         10           Crane, tower (electric)         CNP 049         95         2         100%         -5         Movable Barrier         10           Dump truck, wing rab, 55 tonne c gross vehicle weight ≤ 38 tonne         [1]         105         1         50%         -5         Movable Barrier         98           Canautor, miking cato, 55 tonne c gross vehicle weight ≤ 38 tonne         [1]         10         1         50%         -5         Movable Barrier         98           Cavautor, miking cato, 57 dB(A) at 7 m         CNP 102         100         2         50%         -5         Movable Barrier	Activity 2b - BRH & coach hall							
Breaker, hand-held, mass > 10kg and < 20kg         CNP 024         108         2         50%         -10         Movable Barrier         PM           Chipper, hand-held, mass > 10kg and < 20kg	Air compressor, air flow > 10m3/min and <= 30m3/min		102	2	100%	-15	Noise Enclosure	90
Chipper, hand-held (pneumatic)         CNP 043         112         2         50%         -1.0         Movable Barrier         10           Concrete pump, stationary/ forry mounted         CNP 044         109         2         50%         -5.         Movable Barrier         10           Crane, nobile         EPD- 01516         101         2         50%         -5.         Movable Barrier         98           Dump truck, 5.5 forme < gross vehicle weight ≦ 38 tonne								83
Concrete lorry miker         CNP 044         109         2         50%         -5         Movable Barrier         10           Concrete pump, stationary/ forry mounted         CNP 047         109         2         50%         -5         Movable Barrier         98           Crane, mobile         CNP 049         95         2         100%         -5         Movable Barrier         98           Dump Truck, sith grad, 55 tonne < gross vehicle weight ≦ 38 tonne								98
Concrete pump, stationary/ lory mounted         CNP 047         109         2         100%         -10         Movable Barrier         10           Crane, mobile         CNP 049         95         2         100%         -5         Movable Barrier         90           Dump truck, visit grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne								102
Crane, mobile         EPD-01516         101         2         50%         -5         Movable Barrier         99           Crane, tower (electric)         CNP 049         95         2         100%         -5         Movable Barrier         99           Dump truck, s.5 tonne < gross vehicle weight ≦ 38 tonne		••••						104
Crane. tower (electric)         CNP 049         95         2         100%         -5         Movable Barrier         93           Dump truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne								
Dump truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne								90
Dump truck, with grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne         [1]         105         1         50%         -5         Movable Barrier         97           Drill ing, rotary type (diesel)         [1]         110         1         50%         -5         Movable Barrier         97           Excavator, wheeled/tracked         EPD- 01230         99         2         70%         -5         Movable Barrier         98           Excavator, wheeled/tracked         [1]         94         1         50%         -5         Movable Barrier         98           Excavator, mini-robot mounted         [1]         94         1         50%         -10         Movable Barrier         98           Genetator, sineced, 75 dB(A) at 7 m         CNP 102         100         2         50%         -10         Movable Barrier         77           Grout mixer         [1]         105         1         50%         -10         Movable Barrier         77           Grout mixer         [1]         105         2         50%         -5         Movable Barrier         92           Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne								100
Drill rig, rotary type (diese)         (1)         110         1         50%         -10         Movable Barrier         99           Excavator, wheeled/tracked         EPD- 01230         99         2         70%         -5         Movable Barrier         99           Excavator, mini-robot mounted         [1]         94         1         50%         -5         Movable Barrier         99           Generator, silenced, 75 dB(A) at 7 m         CNP 102         100         2         50%         -15         Noise Enclosure         88           Grout mixer         [1]         90         1         50%         -10         Movable Barrier         77           Grout mixer         [1]         105         1         50%         -10         Movable Barrier         99           Hoist, passenger/ material (electric)         CNP 122         95         1         100%         -5         Movable Barrier         99           Sw, circular, wood         CNP 201         108         2         100%         -10         Movable Barrier         10           Water pump (electric)         CNP 281         88         2         50%         -5         Movable Barrier         10           Water pump (electric)         CNP 288 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>97</td>								97
Excavator, mini-robot mounted         [1]         94         1         50%         -5         Movable Barrier         88           Generator, silenced, 75 dB(A) at 7 m         CNP 102         100         2         50%         -15         Noise Enclosure         88           Grout mixer         [1]         90         1         50%         -10         Movable Barrier         77           Grout mixer         [1]         105         1         50%         -10         Movable Barrier         99           Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne			110	1	50%			97
Generator, silenced, 75 dB(A) at 7 m         CNP 102         100         2         50%         -15         Noise Enclosure         88           Grout mixer         [1]         90         1         50%         -10         Movable Barrier         77           Grout pump         [1]         105         1         50%         -10         Movable Barrier         99           Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne	Excavator, wheeled/tracked	EPD- 01230	99	2	70%		Movable Barrier	95
Grout mixer         [1]         90         1         50%         -10         Movable Barrier         77           Grout pump         [1]         105         1         50%         -10         Movable Barrier         97           Grout pump         [1]         105         1         50%         -10         Movable Barrier         97           Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne								86
Grout pump       [1]       105       1       50%       -10       Movable Barrier       92         Hoist, passenger/ material (electric)       CNP 122       95       1       100%       -5       Movable Barrier       92         Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne								85
Hoist, passenger/ material (electric)       CNP 122       95       1       100%       -5       Movable Barrier       90         Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne								77
Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne								
Poker, vibratory, hand-held (electric)         [1]         102         2         50%         -5         Movable Barrier         97           Saw, circular, wood         CNP 201         108         2         100%         -10         Movable Barrier         10           Ventilation fan         CNP 241         108         2         100%         -10         Movable Barrier         10           Water pump (electric)         CNP 281         88         2         50%         -10         Movable Barrier         10           Water pump (electric)         CNP 281         88         2         50%         -10         Movable Barrier         17           Activity 2c - Skypier (A&A works)         Total SWL, dB (A)         11         11         105         2         80%         -5         Movable Barrier         96           Drill/grinder, hand-held (electric)         CNP 065         98         2         50%         -10         Movable Barrier         96           Dump truck, with grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne								100
Saw, circular, wood         CNP 201         108         2         100%         -10         Movable Barrier         10           Water pump (electric)         CNP 241         108         2         100%         -10         Movable Barrier         10           Water pump (electric)         CNP 281         88         2         50%         -10         Movable Barrier         77           Crane, mobile         CNP 281         88         2         50%         -10         Movable Barrier         78           Crane, mobile         EPD- 01516         101         2         80%         -5         Movable Barrier         98           Dump truck, with grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne								97
Ventilation fan         CNP 241         108         2         100%         -10         Movable Barrier         10           Water pump (electric)         CNP 281         88         2         50%         -10         Movable Barrier         77           Total SWL, dB (A)         Total SWL, dB (A)         Total SWL, dB (A)         11           Activity 2c - Skypier (A&A works)         EPD- 01516         101         2         80%         -5         Movable Barrier         98           Drill/grinder, hand-held (electric)         CNP 065         98         2         50%         -10         Movable Barrier         88           Dump truck, with grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne								101
Water pump (electric)         CNP 281         88         2         50%         -10         Movable Barrier         78           Total SWL, dB (A)         11           Activity 2c - Skypier (A&A works)         EPD- 01516         101         2         80%         -5         Movable Barrier         98           Drill/grinder, hand-held (electric)         CNP 065         98         2         50%         -10         Movable Barrier         88           Dump truck, with grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne								101
Activity 2c - Skypier (A&A works)           Crane, mobile         EPD- 01516         101         2         80%         -5         Movable Barrier         98           Dump truck, with grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne	Water pump (electric)	CNP 281	88	2	50%	-10		78
Crane, mobile         EPD- 01516         101         2         80%         -5         Movable Barrier         98           Drill/grinder, hand-held (electric)         CNP 065         98         2         50%         -10         Movable Barrier         88           Dump truck, with grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne				Total SW	′L, dB (A)			111
Crane, mobile         EPD- 01516         101         2         80%         -5         Movable Barrier         98           Drill/grinder, hand-held (electric)         CNP 065         98         2         50%         -10         Movable Barrier         88           Dump truck, with grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne								
Drill/grinder, hand-held (electric)         CNP 065         98         2         50%         -10         Movable Barrier         88           Dump truck, with grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne			401		0001		Maurahl D. 1	
Dump truck, with grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne         [1]         105         2         50%         -5         Movable Barrier         10           Hoist, passenger/ material (electric)         CNP 122         95         2         100%         -5         Movable Barrier         95           Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne								98
Hoist, passenger/material (electric)       CNP 122       95       2       100%       -5       Movable Barrier       93         Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne								88 100
Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne         [1]         105         2         50%         -5         Movable Barrier         10           Power pack for hand-held items of PME         CNP 168         100         2         50%         -10         Movable Barrier         90           Activity 2d - APM tunnel         Total SWL, dB (A)         Total SWL, dB (A)         10           Activity 2d - APM tunnel         EPD- 01516         101         2         80%         -5         Movable Barrier         96           Drill/grinder, hand-held (electric)         CNP 065         98         2         50%         -10         Movable Barrier         86           Dump truck, with grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne								93
Power pack for hand-held items of PME         CNP 168         100         2         50%         -10         Movable Barrier         90           Total SWL, dB (A)           Activity 2d - APM tunnel           Crane, mobile         EPD- 01516         101         2         80%         -5         Movable Barrier         90           Drill/grinder, hand-held (electric)         CNP 065         98         2         50%         -10         Movable Barrier         88           Dump truck, with grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne								100
Activity 2d - APM tunnel         Total SWL, dB (A)         10           Activity 2d - APM tunnel         Crane, mobile         EPD- 01516         101         2         80%         -5         Movable Barrier         98           Drill/grinder, hand-held (electric)         CNP 065         98         2         50%         -10         Movable Barrier         88           Dump truck, with grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne								90
Activity 2d - APM tunnel           Crane, mobile         EPD- 01516         101         2         80%         -5         Movable Barrier         98           Drill/grinder, hand-held (electric)         CNP 065         98         2         50%         -10         Movable Barrier         88           Dump truck, with grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne							Band Bannol	105
Crane, mobile         EPD- 01516         101         2         80%         -5         Movable Barrier         98           Drill/grinder, hand-held (electric)         CNP 065         98         2         50%         -10         Movable Barrier         88           Dump truck, with grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne								
Drill/grinder, hand-held (electric)         CNP 065         98         2         50%         -10         Movable Barrier         88           Dump truck, with grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne								
Dump truck, with grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne         [1]         105         2         50%         -5         Movable Barrier         10           Hoist, passenger/ material (electric)         CNP 122         95         2         100%         -5         Movable Barrier         93           Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne								98
Hoist, passenger/ material (electric)         CNP 122         95         2         100%         -5         Movable Barrier         93           Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne								88
Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne         [1]         105         2         50%         -5         Movable Barrier         10           Power pack for hand-held items of PME         CNP 168         100         2         50%         -10         Movable Barrier         90								100
Power pack for hand-held items of PME         CNP 168         100         2         50%         -10         Movable Barrier         90								93
		CINF 100	100			-10		90 105
				10101 010	L, UD (A)	1		105

РМЕ	TM or other reference	SWL, dB(A)	No. of PME per group	% on time	Screening Effect, dB(A)	Noise Mitigation Measures	Total SWL, dB(A)
Construction of Other Airport Facilities Related Works (Concurren	nt Project)						
Activity 1 - Site Formation							
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	1	100%	-15	Noise Enclosure	87
Breaker, hand-held, mass >= 20kg and <= 35kg	CNP 025	111	1	50%	-10	Movable Barrier	98
Concrete lorry mixer	CNP 044	109	1	50%	-5	Movable Barrier	101
Crane, mobile	EPD- 01516	101	1	60%	-5	Movable Barrier	94
Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Excavator, wheeled/tracked	EPD- 01230	99	1	100%	-5	Movable Barrier	94
Generator, silenced, 75 dB(A) at 7 m	CNP 102	100	1	100%	-15	Noise Enclosure	85
Lorry, with crane/grab, gross vehicle weight > 38 tonne	[1]	112	1	70%	-5	Movable Barrier	105
Poker, vibratory, hand-held	CNP 170	113	1	50%	-5	Movable Barrier	105
			Total SW	L. dB (A)			110
Activity 2 - Foundation & building works							
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	-15	Enclosure	90
Bar bender and cutter (electric)	CNP 021	90	2	100%	-10	Movable Barrier	83
Breaker, hand-held, mass >= 20kg and <= 35kg	CNP 025	111	2	50%	-10	Movable Barrier	101
Chipper, hand-held (pneumatic)	CNP 043	112	2	50%	-10	Movable Barrier	102
Concrete lorry mixer	CNP 044	109	2	50%	-5	Movable Barrier	104
Concrete pump, stationary/ lorry mounted	CNP 047	109	2	100%	-10	Movable Barrier	102
Crane, mobile	EPD- 01516	101	2	50%	-5	Movable Barrier	96
Crane, tower (electric)	CNP 049	95	2	100%	-5	Movable Barrier	93
Concrete burster	[1]	90	2	80%	-10	Movable Barrier	82
Dump truck, with grab, 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Excavator, wheeled/tracked	EPD- 01230	99	2	50%	-5	Movable Barrier	94
Generator, silenced, 75 dB(A) at 7 m	CNP 102	100	2	50%	-15	Enclosure	85
Welding plant	[2]	78	2	70%	-10	Movable Barrier	69
Grout mixer	[1]	90	2	50%	-10	Movable Barrier	80
Grout pump	[1]	105	2	50%	-10	Movable Barrier	95
Hoist, passenger/ material (electric)	CNP 122	95	2	100%	-5	Movable Barrier	93
Lorry, with crane/grab, 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Poker, vibratory, hand-held (electric)	[1]	102	2	50%	-5	Movable Barrier	97
Saw, circular, wood	CNP 201	108	2	100%	-10	Movable Barrier	101
Ventilation fan	CNP 241	108	2	100%	-10	Movable Barrier	101
Water pump (electric)	CNP 281	88	2	50%	-10	Movable Barrier	78
Water pump, submersible (electric)	CNP 283	85	2	100%	-10	Movable Barrier	78
	0.1. 200		Total SW				111

Note: [1] Extracted from EPD document namely, "Sound Power Levels of Other Commonly Used PME"

http://www.epd.gov.hk/epd/english/application\_for\_licences/guidance/files/OtherSWLe.pdf [2] SWL is referred to the Appendix 5.1 of approved EIA Report of Hong Kong Section of Guangzhou - Shenzhen - Hong Kong Express Rail Link (AEIAR-143/2009).

РМЕ	TM or other reference	SWL, dB(A)	No. of PME per group	% on time	Screening Effect, dB(A)	Noise Mitigation Measures	Total SWL, dB(A)
nfrastructure Construction Activities							
Activity 1 - Site Grading & General Excavation							
Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Road roller	EPD- 00223	99	2	80%	-5	Movable Barrier	96
Derrick barge	CNP 061	104	2	80%			106
Roller, vibratory	EPD- 00591	105	2	80%	-5	Movable Barrier	102
Excavator, wheeled/tracked	EPD- 01230	99	2	80%	-5	Movable Barrier	96
			Total SW	'L, dB (A)			109
Activity 2 - General Site Work (Including Utility & Drainage System Compactor, vibratory	EPD- 00054	102	2	80%	-5	Movable Barrier	99
Lorry, with crane/grab, 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	EPD- 00054 [1]	102	2	80%	-5 -5	Movable Barrier	102
Roller. vibratorv	EPD- 00591	105	1	80%	-5 -5	Movable Barrier	99
		105	1	80% 50%	-5 -5		100
Dump truck , 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	[1]					Movable Barrier	
_orry, 5.5 tonne < gross vehicle weight ≦38 tonne	[1]	105 100	2	80% 80%	-5 -10	Movable Barrier	102
Generator, portable	[1]					Movable Barrier	92
Light goods vehicle, gross vehicle weight $\leq 5.5$ tonne	[1] CNP 281	101 88	1 2	80%	-5 -10	Movable Barrier	95
Nater pump (electric)	CNP 281	88	2 Total SW	100%	-10	Movable Barrier	81 108
			Total SVV	L, dB (A)			108
Activity 3a - Airfield Paving Flexible							
Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	1	50%	-5	Movable Barrier	97
_orry, 5.5 tonne < gross vehicle weight ≦38 tonne	[1]	105	2	80%	-5	Movable Barrier	102
Asphalt paver	EPD- 00075	106	2	80%	-5	Movable Barrier	102
Roller, vibratory	EPD- 00591	105	2	80%	-5	Movable Barrier	102
Road sweeper	[1]	107	2	80%	-5	Movable Barrier	104
Generator, portable	[1]	100	1	80%	-10	Movable Barrier	89
Road roller	EPD- 00223	99	2	80%	-5	Movable Barrier	96
_orry, 5.5 tonne < gross vehicle weight ≦38 tonne	[1]	105	1	80%	-5	Movable Barrier	99
	• • • •		Total SW	L, dB (A)			110
Activity 3b - Airfield Paving Rigid				•			
Dump truck , 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	[1]	105	1	50%	-5	Movable Barrier	97
Concrete lorg mixer	CNP 044	109	2	80%	-5	Movable Barrier	106
Concrete lorry mixer					-5		
Concrete paver	CNP 004	109	1	80%		Movable Barrier	103
Concrete paver Road sweeper	[1]	107	2	80%	-5	Movable Barrier	104
Concrete paver Road sweeper Generator, portable	[1] [1]	107 100	2	80% 80%	-5 -10	Movable Barrier Movable Barrier	104 89
Concrete paver Road sweeper	[1]	107	2 1 2	80% 80% 80%	-5	Movable Barrier	104 89 107
Concrete paver Road sweeper Generator, portable	[1] [1]	107 100	2	80% 80% 80%	-5 -10	Movable Barrier Movable Barrier	104 89
Concrete paver Road sweeper Generator, portable Saw/groover, concrete (petrol)	[1] [1]	107 100	2 1 2	80% 80% 80%	-5 -10	Movable Barrier Movable Barrier	104 89 107
Concrete paver Road sweeper Generator, portable Saw/groover, concrete (petrol) Activity 4 - APM & BHS Tunnel Construction	[1] [1] CNP 203	107 100 115	2 1 2 Total SW	80% 80% 80% L, dB (A)	-5 -10 -10	Movable Barrier Movable Barrier Movable Barrier	104 89 107 111
Concrete paver Road sweeper Generator, portable Saw/groover, concrete (petrol) Activity 4 - APM & BHS Tunnel Construction Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1] [1] CNP 203	107 100 115 105	2 1 2 Total SW	80% 80% 80% L, dB (A) 50%	-5 -10 -10 -5	Movable Barrier Movable Barrier Movable Barrier Movable Barrier	104 89 107 111 100
Concrete paver Road sweeper Generator, portable Saw/groover, concrete (petrol) Activity 4 - APM & BHS Tunnel Construction Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne Concrete pump, stationary/ lorry mounted	[1] [1] CNP 203 [1] CNP 047	107 100 115 105 109	2 1 2 Total SW 2 1	80% 80% L, dB (A) 50% 80%	-5 -10 -10 -5 -10	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	104 89 107 111 100 98
Concrete paver Road sweeper Generator, portable Saw/groover, concrete (petrol) Activity 4 - APM & BHS Tunnel Construction Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne Concrete pump, stationary/ lorry mounted Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1] [1] CNP 203 [1] [1] [1]	107 100 115 105 109 105	2 1 2 Total SW 2 1 1	80% 80% (L, dB (A) 50% 80%	-5 -10 -10 -5 -10 -5	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	104 89 107 111 100 98 99
Concrete paver Road sweeper Generator, portable Saw/groover, concrete (petrol) Activity 4 - APM & BHS Tunnel Construction Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne Concrete pump, stationary/ lorry mounted _orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne Generator, portable	[1] [1] CNP 203 [1] CNP 047 [1] [1]	107 100 115 105 109 105 100	2 1 2 Total SW 2 1 1 2	80% 80% 80% (L, dB (A) 50% 80% 80%	-5 -10 -10 -5 -10 -5 -10	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	104 89 107 111 100 98 99 92
Concrete paver Road sweeper Generator, portable Saw/groover, concrete (petrol) Activity 4 - APM & BHS Tunnel Construction Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne Concrete pump, stationary/ lorry mounted Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1] [1] CNP 203 [1] [1] [1]	107 100 115 105 109 105	2 1 2 Total SW 2 1 1 2 2	80% 80% L, dB (A) 50% 80% 80% 80% 100%	-5 -10 -10 -5 -10 -5	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	104 89 107 <b>111</b> 100 98 99 92 81
Concrete paver Road sweeper Generator, portable Saw/groover, concrete (petrol) Activity 4 - APM & BHS Tunnel Construction Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne Concrete pump, stationary/ lorry mounted _orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne Generator, portable	[1] [1] CNP 203 [1] CNP 047 [1] [1]	107 100 115 105 109 105 100	2 1 2 Total SW 2 1 1 2	80% 80% L, dB (A) 50% 80% 80% 80% 100%	-5 -10 -10 -5 -10 -5 -10	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	104 89 107 111 100 98 99 92
Concrete paver Road sweeper Generator, portable Saw/groover, concrete (petrol) Activity 4 - APM & BHS Tunnel Construction Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne Concrete pump, stationary/ lorry mounted _orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne Generator, portable	[1] [1] CNP 203 [1] CNP 047 [1] [1]	107 100 115 105 109 105 100	2 1 2 Total SW 2 1 1 2 2	80% 80% L, dB (A) 50% 80% 80% 80% 100%	-5 -10 -10 -5 -10 -5 -10	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	104 89 107 111 100 98 99 92 81
Concrete paver Road sweeper Generator, portable Saw/groover, concrete (petrol) Activity 4 - APM & BHS Tunnel Construction Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne Concrete pump, stationary/ lorry mounted Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne Generator, portable Water pump (electric)	[1] [1] CNP 203 [1] CNP 047 [1] [1]	107 100 115 105 109 105 100	2 1 2 Total SW 2 1 1 2 2	80% 80% L, dB (A) 50% 80% 80% 80% 100%	-5 -10 -10 -5 -10 -5 -10	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	104 89 107 111 100 98 99 92 81
Concrete paver Road sweeper Generator, portable Saw/groover, concrete (petrol) Activity 4 - APM & BHS Tunnel Construction Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne Concrete pump, stationary/ lorry mounted Concrete pump, stationary/ lorry mounted Concret, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne Generator, portable Nater pump (electric) Activity 5 - Vehicular Tunnel Construction	[1] [1] CNP 203 [1] [1] [1] [1] [1] [1] [1] [1]	107 100 115 105 109 105 100 88	2 1 2 Total SW 2 1 1 2 2 Total SW	80% 80% L, dB (A) 50% 80% 80% 80% 100% L, dB (A)	-5 -10 -10 -5 -10 -5 -10 -10	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	104 89 107 111 100 98 99 92 81 104
Concrete paver Road sweeper Generator, portable Saw/groover, concrete (petrol) Activity 4 - APM & BHS Tunnel Construction Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne Concrete pump, stationary/ lorry mounted .orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne Generator, portable Water pump (electric) Activity 5 - Vehicular Tunnel Construction Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1] [1] CNP 203 [1] CNP 047 [1] [1] [1] CNP 281	107 100 115 105 109 105 100 88	2 1 2 Total SW 2 1 1 2 2 Total SW 2 2	80% 80% 80% L, dB (A) 50% 80% 80% 80% 100% L, dB (A) 50%	-5 -10 -10 -5 -10 -5 -10 -10 -10 -5	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	104 89 107 111 100 98 99 92 81 104 100
Concrete paver Road sweeper Generator, portable Saw/groover, concrete (petrol)  Activity 4 - APM & BHS Tunnel Construction Dump truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Concrete pump, stationary/ lorry mounted Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne Generator, portable Water pump (electric)  Activity 5 - Vehicular Tunnel Construction Dump truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Corry, 5.5 tonne < gross vehicle weight ≦ 38 tonne Dump truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1] [1] CNP 203 [1] [1] [1] [1] [1] [1] [1] [1] [1] [1]	107 100 115 105 109 105 100 88 88	2 1 2 Total SW 2 1 1 2 Total SW 2 2 2 1	80% 80% 80% L, dB (A) 50% 80% 80% 100% L, dB (A) 50% 80%	-5 -10 -10 -5 -10 -5 -10 -10 -5 -5 -5 -10	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	104 89 107 111 100 98 99 92 81 104 100 102
Concrete paver Road sweeper Generator, portable Gaw/groover, concrete (petrol)  Activity 4 - APM & BHS Tunnel Construction Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne Concrete pump, stationary/ lorry mounted .orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne Generator, portable Nater pump (electric)  Activity 5 - Vehicular Tunnel Construction Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, stationary/ lorry mounted .orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, stationary/ lorry mounted .orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne .orry weight crane/grab, 5.5 tonne < gross vehicle weight ≤ 38 tonne .orry weight ≤ 38 tonne < gross vehicle weight ≤ 38 tonne < gross vehicle weight ≤ 3	[1] [1] CNP 203 [1] [1] [1] [1] [1] [1] [1] [1] [1]	107 100 115 105 109 105 100 88 88 105 105	2 1 2 Total SW 2 1 2 2 Total SW 2 2 2	80% 80% 80% L, dB (A) 50% 80% 80% 100% L, dB (A) 50% 80%	-5 -10 -10 -5 -10 -5 -10 -10 -10 -5 -5 -5	Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier Movable Barrier	104 89 107 111 100 98 99 92 81 104 100 102 98
Concrete paver Road sweeper Generator, portable Saw/groover, concrete (petrol)  Activity 4 - APM & BHS Tunnel Construction Dump truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Concrete pump, stationary/ lorry mounted Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne Generator, portable Water pump (electric)  Activity 5 - Vehicular Tunnel Construction Dump truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Corry, 5.5 tonne < gross vehicle weight ≦ 38 tonne Dump truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck, 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne Domp truck → 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1] [1] CNP 203 [1] [1] [1] [1] [1] [1] [1] [1] [1] [1]	107 100 115 105 109 105 100 88 105 105 105 109 105	2 1 2 Total SW 2 1 1 2 2 Total SW 2 2 2 1 1	80% 80% L, dB (A) 50% 80% 80% 100% L, dB (A) 50% 80% 80%	-5 -10 -10 -5 -10 -5 -10 -10 -5 -5 -5 -10 -5 -5	Movable Barrier Movable Barrier	104 89 107 111 100 98 99 92 81 104 100 102 98 99 99

РМЕ	TM or other reference	SWL, dB(A)	No. of PME per group	% on time	Screening Effect, dB(A)	Noise Mitigation Measures	Total SWL, dB(A)
Activity 6a - Terminal Building Foundations & Basement	•				. ,		
Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	80%	-5	Movable Barrier	102
Excavator, wheeled/tracked	EPD- 01230	99	2	80%	-5	Movable Barrier	96
Generator, portable	[1]	100	2	100%	-10	Movable Barrier	93
Light goods vehicle, gross vehicle weight $\leq 5.5$ tonne	[1]	101	2	80%	-5	Movable Barrier	98
Crane, mobile	EPD- 01516 CNP 281	101 88	2	80%	-5 -10	Movable Barrier	98
Water pump (electric)	CINP 201	00	2 Total SW	100% L, dB (A)	-10	Movable Barrier	81 <b>106</b>
Activity 6b - Terminal Building Structure (Concrete)							
Dump truck , 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Derrick barge	CNP 061	103	2	80%	-0	NOVADIC Damer	100
Compactor, vibratory	CNP 00054	104	2	80%	-5	Movable Barrier	99
Concrete pump, stationary/ lorry mounted	CNP 047	102	2	80%	-10	Movable Barrier	101
Lorry, with crane/grab, 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	[1]	105	2	80%	-5	Movable Barrier	101
Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne	[1]	105	2	80%	-5	Movable Barrier	102
Generator, portable	[1]	100	2	100%	-10	Movable Barrier	93
Light goods vehicle, gross vehicle weight $\leq 5.5$ tonne	[1]	100	2	80%	-10	Movable Barrier	98
Crane, mobile	EPD- 01516	101	2	80%	-5	Movable Barrier	98
Hoist, passenger/ material (electric)	CNP 122	95	2	80%	-5	Movable Barrier	92
	ONT THE		Total SW			Movable Barner	111
Astivity Os Oladdum and Dasf							
Activity 6c - Cladding and Roof Compactor, vibratory	CNP 00054	102	2	80%	-5	Movable Barrier	99
Compactor, vibratory Lorry, with crane/grab, 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	[1]	102	2	80%	-5 -5	Movable Barrier	102
Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≧ 38 tonne Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne			2		-5 -5		
	[1]	105		80%		Movable Barrier	102
Generator, portable	[1] CNP 122	100	2	80%	-10	Movable Barrier	92
Hoist, passenger/ material (electric)	-	95	2	80%	-5	Movable Barrier	92
Light goods vehicle, gross vehicle weight $\leq$ 5.5 tonne	[1]	101	2	80%	-5	Movable Barrier	98
Crane, mobile	EPD- 01516	101	2	80%	-5	Movable Barrier	98
Hoist, passenger/ material (electric)	CNP 122	95	2 Total SW	80% L, dB (A)	-5	Movable Barrier	92 108
Activity 7 - Ancillary Support Area Building Construction Dump truck , 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Compactor, vibratory	EPD- 00054	103	2	80%	-5	Movable Barrier	99
Concrete lorry mixer	CNP 044	102	2	80%	-5 -5	Movable Barrier	106
	CNP 044 CNP 047	109	1	80%	-10	Movable Barrier	98
Concrete pump, stationary/ lorry mounted Lorry, with crane/grab, 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	[1]	109	2	80%	-10	Movable Barrier	102
Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne	[1]	105	2	80%	-5	Movable Barrier	102
Generator, portable	[1]	105	2	100%	-10	Movable Barrier	93
	CNP 122	95	2		-10		93
Hoist, passenger/ material (electric) Crane, mobile	EPD- 01516	95 101	2	80% 80%	-5 -5	Movable Barrier Movable Barrier	92
	LFD- 01310	101	Total SW		-5	NOVADIE Damei	110
Antivity O Fit and							
Activity 8 - Fit out Dump truck , 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Compactor, vibratory	EPD- 00054	102	2	80%	-5	Movable Barrier	99
Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne	[1]	105	2	80%	-5	Movable Barrier	102
Generator, portable	[1]	100	2	100%	-10	Movable Barrier	93
Hoist, passenger/ material (electric)	CNP 122	95	2	80%	-5	Movable Barrier	92
Light goods vehicle, gross vehicle weight $\leq$ 5.5 tonne	[1]	101	2	80%	-5	Movable Barrier	98
Hoist, passenger/ material (electric)	CNP 122	95	2	80%	-5	Movable Barrier	92
		•	Total SW	L, dB (A)			107
Activity O. Deada							
ACTIVITY 9 - ROADS	EDD 00054	102	2	80%	-5	Movable Barrier	99
	EPD- 00054		2	50%	-5	Movable Barrier	100
Compactor, vibratory		105					
Compactor, vibratory Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105 105		80%		Movable Barrier	102
Compactor, vibratory Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne	[1] [1]	105 105 100	2	80% 100%	-5 -10	Movable Barrier Movable Barrier	102 93
Compactor, vibratory Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne _orry, 5.5 tonne < gross vehicle weight ≦38 tonne Generator, portable	[1] [1] [1]	105 100	2		-5 -10	Movable Barrier	
Compactor, vibratory Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne _orry, 5.5 tonne < gross vehicle weight ≦38 tonne Generator, portable Road roller	[1] [1]	105	2 2 1 1	100% 80% 80%	-5		93 102 99
Compactor, vibratory Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne _orry, 5.5 tonne < gross vehicle weight ≦38 tonne Generator, portable Road roller	[1] [1] [1] [1] CNP 185	105 100 108	2 2	100% 80% 80%	-5 -10 -5	Movable Barrier Movable Barrier	93 102
Compactor, vibratory Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne Generator, portable Road roller Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne	[1] [1] [1] [1] CNP 185	105 100 108	2 2 1 1	100% 80% 80%	-5 -10 -5	Movable Barrier Movable Barrier	93 102 99
Compactor, vibratory Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne Generator, portable Road roller Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne	[1] [1] [1] CNP 185 [1]	105 100 108 105	2 2 1 Total SW	100% 80% 80% L, dB (A)	-5 -10 -5 -5	Movable Barrier Movable Barrier Movable Barrier	93 102 99 <b>108</b>
Generator, portable Road roller Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne Activity 10 - Airfield Planing 450E Backhoe / JCB	[1] [1] [1] CNP 185 [1] CNP 081	105 100 108 105 112	2 2 1 1	100% 80% 80% L, dB (A) 80%	-5 -10 -5 -5 -5	Movable Barrier Movable Barrier Movable Barrier Movable Barrier	93 102 99 <b>108</b> 109
Compactor, vibratory Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne Generator, portable Road roller Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne	[1] [1] [1] CNP 185 [1]	105 100 108 105	2 2 1 Total SW	100% 80% 80% L, dB (A)	-5 -10 -5 -5	Movable Barrier Movable Barrier Movable Barrier	93 102 99 <b>108</b>

РМЕ	TM or other reference	SWL, dB(A)	No. of PME per group	% on time	Screening Effect, dB(A)	Noise Mitigation Measures	Total SWL, dB(A)
Activity 11 - APM Depot		•					
Dump truck , 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
_orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	80%	-5	Movable Barrier	102
Generator, portable	[1]	100	2	100%	-10	Movable Barrier	93
Crane, mobile	EPD- 01516	101	2	80%	-5	Movable Barrier	98
Nater pump (electric)	CNP 281	88	2	100%	-10	Movable Barrier	81
Hoist, passenger/ material (electric)	CNP 122	95	2 Total SW	80% /L, dB (A)	-5	Movable Barrier	92 106
Construction of North Commercial District (Concurrent Project)				, , , ,			
Activity 1 - Site Formation for Phase 1							
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	1	100%	-15	Enclosure	87
Breaker, hand-held, mass >= 20kg and <= 35kg	CNP 025	111	1	50%	-10	Movable Barrier	98
Concrete lorry mixer	CNP 044	109	1	50%	-5	Movable Barrier	101
Crane, mobile	EPD- 01516	101	1	60%	-5	Movable Barrier	94
Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Excavator, wheeled/tracked	EPD- 01230	99	1	100%	-5	Movable Barrier	94
Generator, silenced, 75 dB(A) at 7 m	CNP 102	100	1	100%	-15	Enclosure	85
_orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	1	70%	-5	Movable Barrier	98
Poker, vibratory, hand-held	CNP 170	113	1	50%	-5	Movable Barrier	105
			Total SW	'L, dB (A)			109
Activity 2 - Roadworks		1	T	0			-
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	-15	Enclosure	90
Asphalt paver	EPD- 00075	106	1	80%	-5	Movable Barrier	100
Breaker, hand-held, mass > 10kg and < 20kg	CNP 024	108	2	50%	-10	Movable Barrier	98
Ballast tamper, hand-held (electric)	CNP 029	105	1	40%	-10	Movable Barrier	91
Bulldozer, wheeled	EPD- QPME	110	1	50%	-5	Movable Barrier	102
Concrete lorry mixer	CNP 044	109	2	50%	-5	Movable Barrier	104
Crane, mobile	EPD- 01516	101	2	80%	-10	Movable Barrier	93
Compactor, vibratory	CNP 00054	102	1	50%	-10	Movable Barrier	89
Dump truck , 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Drill rig, rotary type (diesel)	[1]	110	1	50%	-10	Movable Barrier	97
Excavator, wheeled/tracked	EPD- 01230	99	2	80%	-10	Movable Barrier	91
Generator, silenced, 75 dB(A) at 7 m	CNP 102 CNP 104	100	2	69%	-15 -10	Enclosure	86 100
Grader $\int \frac{1}{2} \int \frac{1}{$		113 105	2	50%	-10	Movable Barrier	100
_orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne Poker, vibratory, hand-held (electric)	[1]	105	2	50% 50%	-5 -10	Movable Barrier Movable Barrier	92
Road roller	CNP 00223	99	2	50%	-10	Movable Barrier	92
Roller, vibratory	CNP 00223 CNP 00591	105	1	50%	-5	Movable Barrier	94
Water pump, submersible (electric)	CNP 00391	85	2	100%	-10	Movable Barrier	78
	CINF 203	60		'L, dB (A)	-10		110
Activity 3 - Foundation & building works for Phase 1							
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	-15	Enclosure	90
Bar bender and cutter (electric)	CNP 021	90	2	100%	-10	Movable Barrier	83
Breaker, hand-held, mass >= 20kg and <= 35kg	CNP 025	111	2	50%	-10	Movable Barrier	101
Chipper, hand-held (pneumatic)	CNP 043	112	2	50%	-10	Movable Barrier	102
Concrete pump, stationary/ lorry mounted	CNP 047	109	2	100%	-10	Movable Barrier	102
Crane, mobile	EPD- 01516	101	2	50%	-10	Movable Barrier	91
Crane, tower (electric)	CNP 049	95	2	100%	-10	Movable Barrier	88
Concrete burster	[1]	90	2	80%	-10	Movable Barrier	82
Dump truck , 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Dump truck, with grab, 5.5 tonne < gross vehicle weight $\leq$ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
xcavator, wheeled/tracked	EPD- 01230	99	2	50%	-10	Movable Barrier	89
Generator, silenced, 75 dB(A) at 7 m	CNP 102	100	2	50%	-15	Enclosure	85
Velding plant	[2]	78	2	70%	-10	Movable Barrier	69
Grout mixer	[1]	90	2	50%	-10	Movable Barrier	80
Grout pump	[1]	105	2	50%	-10	Movable Barrier	95
loist, passenger/ material (electric)	CNP 122	95	2	100%	-10	Movable Barrier	88
_orry, 5.5 tonne < gross vehicle weight ≦38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
_orry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Poker, vibratory, hand-held (electric)	[1]	102	2	50%	-10	Movable Barrier	92
Saw, circular, wood	CNP 201	108	2	100%	-10	Movable Barrier	101
/entilation fan	CNP 241	108	2	100%	-10	Movable Barrier	101
Vater pump (electric)	CNP 281	88	2	50%	-10	Movable Barrier	78
	ONID 000						
Vater pump, submersible (electric)	CNP 283	85	2 Total SW	100% /L, dB (A)	-10	Movable Barrier	78

РМЕ	TM or other reference	SWL, dB(A)	No. of PME per group	% on time	Screening Effect, dB(A)	Noise Mitigation Measures	Total SWL, dB(A)
Activity 4 - Site Formation for Phase 2							
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	1	100%	-15	Enclosure	87
Breaker, hand-held, mass >= 20kg and <= 35kg	CNP 025	111	1	50%	-10	Movable Barrier	98
Concrete lorry mixer	CNP 044	109	1	50%	-5	Movable Barrier	101
Crane, mobile	EPD- 01516	101	1	60%	-5	Movable Barrier	94
Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Excavator, wheeled/tracked	EPD- 01230	99	1	100%	-5	Movable Barrier	94
Generator, silenced, 75 dB(A) at 7 m	CNP 102	100	1	100%	-15	Enclosure	85
Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	1	70%	-5	Movable Barrier	98
Poker, vibratory, hand-held (electric)	[1]	102	1	50%	-5	Movable Barrier	94
			Total SW	'L, dB (A)			106
Activity 5 - Foundation & building works for Phase 2							
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	-15	Enclosure	90
Bar bender and cutter (electric)	CNP 021	90	2	100%	-10	Movable Barrier	83
Breaker, hand-held, mass >= 20kg and <= 35kg	CNP 025	111	2	50%	-10	Movable Barrier	101
Chipper, hand-held (pneumatic)	CNP 043	112	2	50%	-10	Movable Barrier	102
Concrete pump, stationary/ lorry mounted	CNP 047	109	2	100%	-10	Movable Barrier	102
Crane, mobile	EPD- 01516	101	2	50%	-5	Movable Barrier	96
Crane, tower (electric)	CNP 049	95	2	100%	-10	Movable Barrier	88
Concrete burster	[1]	90	2	80%	-10	Movable Barrier	82
Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Dump truck, with grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Excavator, wheeled/tracked	EPD- 01230	99	2	50%	-5	Movable Barrier	94
Generator, silenced, 75 dB(A) at 7 m	CNP 102	100	2	50%	-15	Enclosure	85
Welding plant	[2]	78	2	70%	-10	Movable Barrier	69
Grout mixer	[1]	90	2	50%	-10	Movable Barrier	80
Grout pump	[1]	105	2	50%	-10	Movable Barrier	95
Hoist, passenger/ material (electric)	CNP 122	95	2	100%	-5	Movable Barrier	93
Lorry, 5.5 tonne < gross vehicle weight ≦38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≦ 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100
Poker, vibratory, hand-held (electric)	[1]	102	2	50%	-5	Movable Barrier	97
Saw, circular, wood	CNP 201	108	2	100%	-10	Movable Barrier	101
Ventilation fan	CNP 241	108	2	100%	-10	Movable Barrier	101
Water pump (electric)	CNP 281	88	2	50%	-10	Movable Barrier	78
Water pump, submersible (electric)	CNP 283	85	2	100%	-10	Movable Barrier	78
			Total SW	'L, dB (A)			111

Note: [1] Extracted from EPD document namely, "Sound Power Levels of Other Commonly Used PME" <u>http://www.epd.gov.hk/epd/english/application\_for\_licences/guidance/files/OtherSWLe.pdf</u> [2] SWL is referred to the Appendix 5.1 of approved EIA Report of Hong Kong Section of Guangzhou - Shenzhen - Hong Kong Express Rail Link (AEIAR-143/2009).