

	TM or other reference	SWL dB(A)	No. of PME	% on time	Barrier Correction	Total SWL dB(A)
<b>Activity A - Site Preparation</b>						
Lorry, 5.5 tonnes < gross vehicle weight <= 38 tonnes	-	105	1	50%	-5	97
Village Vehicle	# (Note 1)	101	1	50%	0	98
Generator, super silenced, 70 dB(A) at 7m	CNP 103	95	1	90%	-10	85
Saw, circular, wood	D7-79	103	1	50%	-5	95
			Total SWL, dB(A)			<b>102</b>
<b>Activity B - Piling</b>						
Drilling Rig	C3-17	104	2	70%	-5	100
Generator, super silenced, 70 dB(A) at 7m	CNP 103	95	2	90%	-10	88
Air compressor, air flow > 10m <sup>3</sup> /min and <= 30m <sup>3</sup> /min	CNP 002	102	2	70%	-10	93
Lorry, 5.5 tonnes < gross vehicle weight <= 38 tonnes	-	105	1	50%	-5	97
Concrete pump, stationary	CNP 047	109	1	50%	-10	96
Concrete lorry mixer	C4-21	105	1	50%	-5	97
			Total SWL, dB(A)			<b>104</b>
<b>Activity C - Pile Caps</b>						
Generator, super silenced, 70 dB(A) at 7m	CNP 103	95	1	90%	-10	85
Air compressor, air flow > 10m <sup>3</sup> /min and <= 30m <sup>3</sup> /min	CNP 002	102	1	60%	-10	90
Mini-excavator	CNP 082	94	1	50%	-5	86
Hammer driving sheet pile	C3-4	105	1	50%	-5	97
Concrete lorry mixer	C4-21	105	1	50%	-5	97
Concrete pump, stationary	CNP 047	109	1	50%	-10	96
Poker, vibratory, hand-held (electric)	-	103	2	50%	-5	98
Lorry, 5.5 tonnes < gross vehicle weight <= 38 tonnes	-	105	1	50%	-5	97
Bar bender and cutter (electric)	CNP 021	90	1	50%	0	87
			Total SWL, dB(A)			<b>104</b>
<b>Activity D - Piers</b>						
Generator, super silenced, 70 dB(A) at 7m	CNP 103	95	1	90%	-10	85
Air compressor, air flow > 10m <sup>3</sup> /min and <= 30m <sup>3</sup> /min	CNP 002	102	1	60%	-10	90
Concrete lorry mixer	C4-21	105	1	50%	-5	97
Concrete pump, stationary	CNP 047	109	1	50%	-10	96
Poker, vibratory, hand-held (electric)	-	103	2	50%	-5	98
Bar bender and cutter (electric)	CNP 021	90	1	50%	0	87
			Total SWL, dB(A)			<b>102</b>

	TM or other reference	SWL dB(A)	No. of PME	% on time	Barrier Correction	Total SWL dB(A)
<b>Activity E - Bridge Decks</b>						
Generator, super silenced, 70 dB(A) at 7m	CNP 103	95	1	90%	-10	85
Air compressor, air flow > 10m <sup>3</sup> /min and <= 30m <sup>3</sup> /min	CNP 002	102	1	60%	-10	90
Concrete lorry mixer	C4-21	105	1	50%	-5	97
Concrete pump, stationary	CNP 047	109	1	50%	-10	96
Poker, vibratory, hand-held (electric)	-	103	2	50%	-5	98
Lorry, 5.5 tonnes < gross vehicle weight <= 38 tonnes	-	105	1	50%	-5	97
Bar bender and cutter (electric)	CNP 021	90	1	50%	0	87
			Total SWL, dB(A)			<b>103</b>
<b>Activity F - Construction of Retaining Walls</b>						
Generator, super silenced, 70 dB(A) at 7m	CNP 103	95	1	90%	-10	85
Air compressor, air flow > 10m <sup>3</sup> /min and <= 30m <sup>3</sup> /min	CNP 002	102	1	50%	-10	89
Concrete lorry mixer	C4-21	105	1	50%	-5	97
Poker, vibratory, hand-held (electric)	-	103	2	50%	-5	98
Lorry, 5.5 tonnes < gross vehicle weight <= 38 tonnes	-	105	1	50%	-5	97
Bar bender and cutter (electric)	CNP 021	90	1	50%	0	87
			Total SWL, dB(A)			<b>103</b>
<b>Activity G - Road Works</b>						
Lorry, 5.5 tonnes < gross vehicle weight <= 38 tonnes	-	105	1	50%	-5	97
Air compressor, air flow > 10m <sup>3</sup> /min and <= 30m <sup>3</sup> /min	CNP 002	102	1	50%	-10	89
Generator, super silenced, 70 dB(A) at 7m	CNP 103	95	1	90%	-10	85
Asphalt paver	EPD-01226	104	1	50%	-5	96
Road roller	EPD-01183	97	1	50%	-5	89
Paint line marker	CNP 161	90	1	50%	0	87
			Total SWL, dB(A)			<b>101</b>

	TM or other reference	SWL dB(A)	No. of PME	% on time	Barrier Correction	Total SWL dB(A)
<b>Activity H - Demolition</b>						
Lorry, 5.5 tonnes < gross vehicle weight <= 38 tonnes	-	105	1	50%	-5	97
Village Vehicle	# (Note 1)	101	1	50%	0	98
Generator, super silenced, 70 dB(A) at 7m	CNP 103	95	1	90%	-10	85
Air compressor, air flow > 10m <sup>3</sup> /min and <= 30m <sup>3</sup> /min	CNP 002	102	1	60%	-10	90
Saw, circular, wood	D7-79	103	1	50%	-5	95
Saw/groover, concrete (petrol)	C4-72	107	1	50%	-5	99
Total SWL, dB(A)						<b>104</b>

Remark:

Enclosure/ Shed/ Silencer will be applied on Generator, Air Compressor and Concrete Pump, 10 dB(A) reduction can be achieved.  
 Movable Noise Barrier will be applied on the other plants, 5 dB(A) reduction can be achieved.

PME	Powered Mechanical Equipment
SWL	Sound Power Level
TM	
#	Technical Memorandum on Noise from Construction Works other than Percussive Piling Sound power level octave bands (source: EPD website on Guidance Notes for License Application under the NCO)
Note 1	Equivalent to light goods vehicle

**References**

1. Technical Memorandum on Noise from Construction Work Other Than Percussive Piling (Table 3)  
[http://www.epd.gov.hk/epd/english/environmentinhk/noise/guide\\_ref/tm\\_nonpp\\_4\\_3.html](http://www.epd.gov.hk/epd/english/environmentinhk/noise/guide_ref/tm_nonpp_4_3.html)
2. Technical Memorandum on Noise from Construction Work Other Than Percussive Piling  
[http://www.epd.gov.hk/epd/english/environmentinhk/noise/guide\\_ref/files/tm\\_nonpp.pdf](http://www.epd.gov.hk/epd/english/environmentinhk/noise/guide_ref/files/tm_nonpp.pdf)
3. For SWL, refer to the document prepared by the Noise Control Authority  
[http://www.epd.gov.hk/epd/english/application\\_for\\_licences/guidance/files/OtherSWLe.pdf](http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)
2. Details of Construction Noise Impact Assessment  
[http://www.epd.gov.hk/eia/register/report/eiareport/eia\\_1802010/EIA/Appendix/EIA%20Appendix%208.1.pdf](http://www.epd.gov.hk/eia/register/report/eiareport/eia_1802010/EIA/Appendix/EIA%20Appendix%208.1.pdf)
3. Sample photographs of some commonly used PME  
[http://www.epd.gov.hk/epd/english/application\\_for\\_licences/guidance/cnp\\_annex2\\_tc.htm](http://www.epd.gov.hk/epd/english/application_for_licences/guidance/cnp_annex2_tc.htm)