

Assumed Construction Plant Inventory for Provision of Cremators at Wo Hop Shek Crematorium (Mitigated Using Quiet Plant)

Phase I

A - Demolition

PME	CNP Ref	Unit	SWL, dB(A)	Summation of SWL, dB(A)	Total SWL, dB(A)
Air Compressor, air flow > 30 m ³ /min	CNP 003	2	104	107	124.4
Breaker, hand-held, mass > 35kg	CNP 026	10	114	124	
Breaker, excavator mounted*	Table C8/12	1	106	106	
Bulldozer*	Table C3/27	1	109	109	
Crane, mobile*	Table C7/118	1	99	99	
Excavator	Table C6/28	2	102	105	
Generator, silenced	CNP 102	1	100	100	
Lorry*	Table C8/25	2	96	99	

B - Site Formation

PME	CNP Ref	Unit	SWL, dB(A)	Summation of SWL, dB(A)	Total SWL, dB(A)
Air Compressor, air flow > 30 m ³ /min	CNP 003	1	104	104	124.0
Bar bender and cutter	CNP 021	1	90	90	
Breaker, hand-held, mass > 35kg	CNP 026	2	114	117	
Breaker, excavator mounted*	Table C8/12	2	106	109	
Bulldozer	CNP 030	1	115	115	
Concrete lorry mixer	CNP 044	2	109	112	
Concrete pump	CNP 047	1	109	109	
Crane, mobile	CNP 048	1	112	112	
Excavator	CNP 081	3	112	117	
Generator, silenced	CNP 102	1	100	100	
Lorry	CNP 141	2	112	115	
Poker, vibratory, hand-held	CNP 170	2	113	116	
Water pump	CNP 281	3	88	93	

C - General Construction

PME	CNP Ref	Unit	SWL, dB(A)	Summation of SWL, dB(A)	Total SWL, dB(A)
Bar bender and cutter	CNP 021	2	90	93	124.0
Concrete lorry mixer	CNP 044	3	109	114	
Concrete pump	CNP 047	1	109	109	
Crane, mobile	CNP 048	1	112	112	
Crane, tower (electric)	CNP 049	1	95	95	
Dump truck	CNP 067	2	117	120	
Generator, silenced	CNP 102	1	100	100	
Poker, vibratory, hand-held	CNP 170	5	113	120	

D - Landscaping Works

PME	CNP Ref	Unit	SWL, dB(A)	Summation of SWL, dB(A)	Total SWL, dB(A)
Excavator	CNP 081	1	112	112	118.4
Dump Truck	CNP 067	1	117	117	
Compactor, vibratory	CNP 050	1	105	105	

Phase II

E - Demolition

PME	CNP Ref	Unit	SWL, dB(A)	Summation of SWL, dB(A)	Total SWL, dB(A)
Air Compressor, air flow > 30 m ³ /min	CNP 003	2	104	107	124.4
Breaker, hand-held, mass > 35kg	CNP 026	10	114	124	
Breaker, excavator mounted*	Table C8/12	1	106	106	
Bulldozer*	Table C3/27	1	109	109	
Crane, mobile*	Table C7/118	1	99	99	
Excavator*	Table C6/28	2	102	105	
Generator, silenced	CNP 102	1	100	100	
Lorry*	Table C8/25	2	96	99	

F - Landscaping Works

PME	CNP Ref	Unit	SWL, dB(A)	Summation of SWL, dB(A)	Total SWL, dB(A)
Excavator	CNP 081	1	112	112	118.4
Dump Truck	CNP 067	1	117	117	
Compactor, vibratory	CNP 050	1	105	105	

Future Expansion Phase

G - E&M Works

PME	CNP Ref	Unit	SWL, dB(A)	Summation of SWL, dB(A)	Total SWL, dB(A)
Lifting Crane	CNP 048	1	112	112	112.0

Note:

1. Refers to the GW-TM and BS 5228: Part 1 for the Reference Code of the Power Mechanical Equipment.
2. "SWL" denotes as Sound Power Level.
3. "*" denotes use of quiet PME.