

**Assumed Construction Plant Inventory for Provision of Cremators at Wo Hop Shek Crematorium (Unmitigated)**

**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 <sup>3</sup> /min	CNP 003	2	104	107	127.2
Breaker, hand-held, mass > 35kg	CNP 026	10	114	124	
Breaker, excavator mounted	CNP 027	1	122	122	
Bulldozer	CNP 030	1	115	115	
Crane, mobile	CNP 048	1	112	112	
Excavator	CNP 081	2	112	115	
Generator, silenced	CNP 102	1	100	100	
Lorry	CNP 141	2	112	115	

**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 <sup>3</sup> /min	CNP 003	1	104	104	127.5
Bar bender and cutter	CNP 021	1	90	90	
Breaker, hand-held, mass > 35kg	CNP 026	2	114	117	
Breaker, excavator mounted	CNP 027	2	122	125	
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 <sup>3</sup> /min	CNP 003	2	104	107	127.2
Breaker, hand-held, mass > 35kg	CNP 026	10	114	124	
Breaker, excavator mounted	CNP 027	1	122	122	
Bulldozer	CNP 030	1	115	115	
Crane, mobile	CNP 048	1	112	112	
Excavator	CNP 081	2	112	115	
Generator, silenced	CNP 102	1	100	100	
Lorry	CNP 141	2	112	115	

**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.

**Plant Inventory for the New Columbarium at Kiu Tau Road Provided by Project Proponent**

**A - Piling Works**

PME	CNP Ref	Unit	SWL, dB(A)	Summation of SWL, dB(A)	Total SWL, dB(A)
Generator, silenced	CNP 102	2	100	103	114.8
Piling, large diameter bored, reverse circulation drill	CNP 166	2	100	103	
Drill rig, rotary type (diesel)	CNP 072	2	110	113	
Air Compressor, air flow > 30 m <sup>3</sup> /min	CNP 003	1	104	104	
Grout mixer	CNP 105	1	90	90	
Grout pump	CNP 106	1	105	105	
Tower crane (electric)	CNP 049	2	95	98	

**B - Pile Cap Works**

PME	CNP Ref	Unit	SWL, dB(A)	Summation of SWL, dB(A)	Total SWL, dB(A)
Excavator	CNP 081	2	112	115	120.5
Saw, circular, wood	CNP 201	2	108	111	
Bar bender and cutter	CNP 021	2	90	93	
Concrete lorry mixer	CNP 044	2	109	112	
Poker, vibratory, hand-held (electric)	CNP 173	3	94	99	
Compactor, vibratory	CNP 050	2	105	108	
Water pump (electric)	CNP 281	2	88	91	
Tower crane (electric)	CNP 049	1	95	95	
Air Compressor, air flow > 30 m <sup>3</sup> /min	CNP 003	1	104	104	
Breaker, hand-held, mass > 35kg	CNP 026	1	114	114	
Crane, mobile	CNP 048	1	112	112	
Generator, silenced	CNP 102	1	100	100	

**C - Site Formation and Slope Stabilisation**

PME	CNP Ref	Unit	SWL, dB(A)	Summation of SWL, dB(A)	Total SWL, dB(A)
Excavator	CNP 081	1	112	112	119.2
Compactor, vibratory	CNP 050	2	105	108	
Drilling rig, rotary type (diesel)	CNP 072	2	110	113	
Air Compressor, air flow > 30 m <sup>3</sup> /min	CNP 003	2	104	107	
Generator, silenced	CNP 102	1	100	100	
Crane, mobile	CNP 048	2	112	115	
Grout mixer	CNP 105	1	90	90	
Grout pump	CNP 106	1	105	105	
Water pump (electric)	CNP 281	3	88	93	

**D - Superstructure**

PME	CNP Ref	Unit	SWL, dB(A)	Summation of SWL, dB(A)	Total SWL, dB(A)
Saw, circular, wood	CNP 201	2	108	111	123.1
Bar bender and cutter	CNP 021	2	90	93	
Concrete lorry mixer	CNP 044	3	109	114	
Poker, vibratory, hand-held (electric)	CNP 173	4	94	100	
Tower crane (electric)	CNP 049	1	95	95	
Material hoist	CNP 122	1	95	95	
Dump Truck	CNP 067	3	117	122	
Crane, mobile	CNP 048	1	112	112	
Generator, silenced	CNP 102	1	100	100	

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.