
Appendix 5.2A

Construction Plant Inventory (Unmitigated)

Activity	PME	TM	SWL	No.	% on time	Barrier Correction	Sub-SWL	Total SWL	
A1	Site Preparation	Generator, silenced, 75 dB(A) at 7m	CNP 102	100	2	100%	0	103	122
		Breaker, excavator mounted (pneumatic)	CNP 027	122	2	30%	0	120	
		Dump Truck	CNP 067	117	2	50%	0	117	
		Poker, vibratory, hand-held (electric)	Others*	102	1	20%	0	95	
		Concrete lorry mixer	CNP 044	109	2	30%	0	107	
		Water pump (electric)	CNP 281	88	2	100%	0	91	
		Excavator/ loader, wheeled/ tracked	CNP 081	112	2	30%	0	110	
	Backhoe	CNP 081	109	2	50%	0	109		
A2	Pilling	Crane, mobile (diesel)	CNP 048	112	2	50%	0	112	121
		Piling, large diameter bored, reverse circulation drill	CNP 166	100	2	50%	0	100	
		Piling, large diameter bored, oscillator	CNP 165	115	2	50%	0	115	
		Generator, silenced, 75 dB(A) at 7m	CNP 102	100	2	100%	0	103	
		Air compressor, air flow > 30m3/min	CNP 003	104	2	100%	0	107	
		Concrete lorry mixer	CNP 044	109	1	50%	0	106	
		Dump Truck	CNP 067	117	2	50%	0	117	
	Excavator/ loader, wheeled/ tracked	CNP 081	112	2	30%	0	110		
A3	Pile Cap Construction	Crane, mobile (diesel)	CNP 048	112	2	50%	0	112	120
		Concrete pump, stationary/ lorry mounted	CNP 047	109	1	50%	0	106	
		Poker, vibratory, hand-held (electric)	Others*	102	1	20%	0	95	
		Bar bender and cutter (electric)	CNP 021	90	1	20%	0	83	
		Generator, silenced, 75 dB(A) at 7m	CNP 102	100	2	100%	0	103	
		Air compressor, air flow > 30m3/min	CNP 003	104	2	100%	0	107	
		Concrete lorry mixer	CNP 044	109	1	50%	0	106	
		Saw, circular, wood	CNP 201	108	2	30%	0	106	
		Dump Truck	CNP 067	117	2	50%	0	117	
		Water pump (electric)	CNP 281	88	2	100%	0	91	
	Excavator/ loader, wheeled/ tracked	CNP 081	112	2	30%	0	110		
	Breaker, excavator mounted (pneumatic)	CNP 027	122	1	10%	0	112		
A4	Back-filling & Basement Structures	Crane, mobile (diesel)	CNP 048	112	1	50%	0	109	120
		Concrete pump, stationary/ lorry mounted	CNP 047	109	1	20%	0	102	
		Poker, vibratory, hand-held (electric)	Others*	102	1	20%	0	95	
		Bar bender and cutter (electric)	CNP 021	90	1	20%	0	83	
		Generator, silenced, 75 dB(A) at 7m	CNP 102	100	2	100%	0	103	
		Concrete lorry mixer	CNP 044	109	1	20%	0	102	
		Power rammer (petrol)	CNP169	108	2	80%	0	110	
		Compactor, vibratory	CNP 050	105	2	80%	0	107	
		Roller, vibratory	CNP 185	108	1	80%	0	107	
		Water pump (electric)	CNP 281	88	2	30%	0	86	
		Dump Truck	CNP 067	117	2	50%	0	117	
			Excavator/ loader, wheeled/ tracked	CNP 081	112	2	30%	0	
A5	Superstructure	Crane, tower (electric)	CNP 049	95	2	80%	0	97	118
		Crane, mobile (diesel)	CNP 048	112	2	80%	0	114	
		Crane Lorry, 5.5 tonne <gross vehicle weight =< 38 tonne	Others*	105	1	50%	0	102	
		Concrete pump, stationary/ lorry mounted	CNP 047	109	1	50%	0	106	
		Poker, vibratory, hand-held (electric)	Others*	102	3	50%	0	104	
		Bar bender and cutter (electric)	CNP 021	90	1	50%	0	87	
		Saw, circular, wood	CNP 201	108	2	30%	0	106	
		Generator, silenced, 75 dB(A) at 7m	CNP 102	100	2	100%	0	103	
		Air compressor, air flow > 30m3/min	CNP 003	104	1	100%	0	104	
		Concrete lorry mixer	CNP 044	109	2	50%	0	109	
		Drill/grinder, hand-held (electric)	CNP 065	98	5	30%	0	100	
		Water pump (electric)	CNP 281	88	2	30%	0	86	
		Excavator/ loader, wheeled/ tracked	CNP 081	112	2	30%	0	110	
	Hoist, passenger/ material (electric)	CNP 122	95	2	30%	0	93		
A5a	Steel Frame and Retractable Roof of Main Stadium	Crane, tower (electric)	CNP 049	95	2	80%	0	97	117
		Crane, mobile (diesel)	CNP 048	112	3	80%	0	116	
		Crane Lorry, 5.5 tonne <gross vehicle weight =< 38 tonne	Others*	105	1	50%	0	102	
		Bar bender and cutter (electric)	CNP 021	90	1	50%	0	87	
		Saw, circular, wood	CNP 201	108	2	30%	0	106	
		Generator, silenced, 75 dB(A) at 7m	CNP 102	100	2	100%	0	103	
		Air compressor, air flow > 30m3/min	CNP 003	104	1	100%	0	104	
		Drill/grinder, hand-held (electric)	CNP 065	98	7	30%	0	101	
	Hoist, passenger/ material (electric)	CNP 122	95	2	30%	0	93		

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Activity	PME	TM	SWL	No.	% on time	Barrier Correction	Sub-SWL	Total SWL	
A5b	Steel Roof Frame of Indoor Sports Centre	Crane, tower (electric)	CNP 049	95	2	80%	0	97	117
		Crane, mobile (diesel)	CNP 048	112	3	80%	0	116	
		Crane Lorry, 5.5 tonne <gross vehicle weight =< 38 tonne	Others*	105	1	50%	0	102	
		Bar bender and cutter (electric)	CNP 021	90	1	50%	0	87	
		Saw, circular, wood	CNP 201	108	2	30%	0	106	
		Generator, silenced, 75 dB(A) at 7m	CNP 102	100	2	100%	0	103	
		Air compressor, air flow > 30m3/min	CNP 003	104	1	100%	0	104	
		Drill/grinder, hand-held (electric)	CNP 065	98	7	30%	0	101	
A6	Builder's Work	Hoist, passenger/ material (electric)	CNP 122	95	2	30%	0	93	104
		Drill/grinder, hand-held (electric)	CNP 065	98	7	50%	0	103	
		Welder/Generator, portable	CNP 107***	90	2	50%	0	90	
		Hoist, passenger/ material (electric)	CNP 122	95	2	30%	0	93	
		Lifting Platform (electric)	CNP 122	95	2	50%	0	95	
A7a	External Works	Drill/grinder, hand-held (electric)	CNP 065	98	3	50%	0	100	102
		Welder/Generator, portable	CNP 107***	90	2	50%	0	90	
		Hoist, passenger/ material (electric)	CNP 122	95	2	30%	0	93	
		Lifting Platform (electric)	CNP 122	95	2	50%	0	95	
A7b	Landscaping Works	Drill/grinder, hand-held (electric)	CNP 065	98	5	50%	0	102	103
		Welder/Generator, portable	CNP 107***	90	2	50%	0	90	
		Hoist, passenger/ material (electric)	CNP 122	95	2	30%	0	93	

Remark:

* Others - EPD website: http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

***Reference to EIA report of AEIAR-171/2013 - Central Kowloon Route, Appendix 5.4A