

Appendix 5.6A

**SWL of Construction Activities
(Central Portion)**

Project : Central Kowloon Route
Title : Plant Inventory
Subtitle: Central Portion

CKR- Central Portion				SWL of Single PME			Total SWL				
Worksite S1				SWL of Single PME			Total SWL				
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated		
2201 Site Establishment & Bored Piling Works	Jan 2015 - Mar 2015	Air Compressor (CNP003) (70%)	1	102	102	92	102	102	92		
		Breaker, Excavator Mounted (Hydraulic) (CNP028) (70%)	1	120	108	103	120	108	103		
		Bar Bender and Cutter (CNP021) (50%)	2	87	87	87	90	90	90		
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
		Concrete pump (CNP047) (70%)	1	107	107	97	107	107	97		
		Dump Truck with Grab (CNP069) (50%)	1	102	102	97	102	102	97		
		Generator (CNP101) (100%)	3	108	95	85	113	100	90		
		Lorry (CNP141) (50%)	1	109	102	97	109	102	97		
		Crane Mobile (CNP048) (50%)	1	109	98	93	109	98	93		
		Piling, large dia bored, oscillator (CNP165) (100%)	2	115	115	105	118	118	108		
		Poker, Vibratory, Hand Held (CNP170) (70%)	2	111	100	95	114	103	98		
		Excavator/Loader, Wheeled/Tracked (CNP081) (50%)	1	109	96	91	109	96	91		
		Water Pump, Submersible (Electric) (CNP283) (100%)	4	85	85	85	91	91	91		
						123	118	110	124	120	111
		2201 Diaphragm Walls	Apr 2015 - Aug 2015	Bar Bender and Cutter (CNP021) (70%)	2	88	88	88	91	91	91
Concrete Lorry Mixer (CNP044) (50%)	2			106	106	101	109	109	104		
Concrete pump (CNP047) (50%)	2			106	106	96	109	109	99		
Dump Truck with Grab (CNP069) (50%)	1			102	102	97	102	102	97		
Generator (CNP101) (100%)	4			108	95	85	114	101	91		
Lorry (CNP141) (50%)	1			109	102	97	109	102	97		
Crane Mobile (CNP048) (70%)	1			110	99	94	110	99	94		
Piling, Diaphragm Wall, Bentonite Filtering Plant (CNP 162) (100%)	1			105	105	95	105	105	95		
Poker, Vibratory, Hand Held (CNP170) (50%)	2			110	99	94	113	102	97		
Excavator/Loader, Wheeled/Tracked (CNP081) (50%)	1			109	96	91	109	96	91		
Water Pump, Submersible (Electric) (CNP283) (100%)	4			85	85	85	91	91	91		
						117	112	106	120	114	108
2208 Excavation of Access Shaft *	Sep 2015 - Apr 2016			Breaker, Excavator Mounted (Hydraulic) (CNP028) (70%)	1	120	108	103	120	108	103
		Dump Truck with Grab (CNP069) (50%)	4	102	102	97	108	108	103		
		Generator (CNP101) (100%)	3	108	95	85	113	100	90		
		Lorry (CNP141) (50%)	1	109	102	97	109	102	97		
		Tracked Crane (CNP048) (70%)	1	110	99	94	110	99	94		
		Excavator/Loader, Wheeled/Tracked (CNP081) (100%)	3	112	99	94	117	104	99		
		Water Pump, Submersible (Electric) (CNP283) (100%)	8	85	85	85	94	94	94		
						122	111	106	123	113	108
2208 Foundation works for Ventilation Building	Aug 2018 - Nov 2018	Bar Bender and Cutter (CNP021) (50%)	2	87	87	87	90	90	90		
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
		Concrete pump (CNP047) (70%)	1	107	107	97	107	107	97		
		Dump Truck with Grab (CNP069) (50%)	1	102	102	97	102	102	97		
		Generator (CNP101) (90%)	3	108	95	85	112	99	89		
		Lorry (CNP141) (50%)	1	109	102	97	109	102	97		
		Crane Mobile (CNP048) (50%)	1	109	98	93	109	98	93		
		Piling, large dia bored, oscillator (CNP165) (70%)	2	113	113	103	116	116	106		
		Poker, Vibratory, Hand Held (CNP170) (70%)	3	111	100	95	116	105	100		
		Excavator/Loader, Wheeled/Tracked (CNP081) (50%)	1	109	96	91	109	96	91		
		Water Pump, Submersible (Electric) (CNP283) (100%)	4	85	85	85	91	91	91		
						119	116	108	121	118	110

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CKR- Central Portion				SWL of Single PME			Total SWL		
Worksite S1									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
2208 Construction of Ventillation Buildings	Dec 2018 - Jul 2019	Bar Bender and Cutter (CNP021) (70%)	1	88	88	88	88	88	88
		Concrete Lorry Mixer (CNP044) (30%)	3	104	104	99	109	109	104
		Concrete pump (CNP047) (30%)	1	104	104	99	104	104	99
		Generator (CNP101) (100%)	2	108	95	85	111	98	88
		Hoist, Passenger / Material (CNP122) (70%)	1	93	93	93	93	93	93
		Crane Mobile (CNP048) (70%)	1	110	99	94	110	99	94
		Poker, Vibratory, Hand Held (CNP170) (30%)	3	108	97	92	113	102	97
		Saw, Circular Wood (CNP201) (70%)	2	106	101	96	109	104	99
						115	109	104	118

Noted:

* Rocker crusher using in this work activity will be placed at about 100m underground apart from at-grade surface, therefore, the noise nuisance of this plant will not be anticipated.

Project : Central Kowloon Route
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CKR - East Portion				SWL of Single PME			Total SWL		
Worksite S2									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Decant of Housing Authority Mock Up Centre and site establishment 2209	Jan 2015 - Jun 2015	Breaker, Excavator Mounted (Hydraulic) (CNP028) (90%)	2	122	110	105	125	113	108
		Dump Truck with Grab (CNP069) (50%)	4	102	102	97	108	108	103
		Concrete crusher, excavator mounted (CNP055) (90%)	2	103	103	93	106	106	96
		Crane Mobile (CNP048) (70%)	1	110	99	94	110	99	94
		Saw, Wire (CNP205) (90%)	4	101	101	96	107	107	102
		Air Compressor (CNP003) (70%)	1	102	102	92	102	102	92
		Excavator/Loader, Wheeled/Tracked (CNP081) (70%)	1	110	97	92	110	97	92
						122	112	107	125