

Project: Proposed Comprehensive Residential and Commercial Development atop Siu Ho Wan Depot

Title: Plant Inventory for Construction Phase

Construction of Ultimate Sewage Pumping Station (SPS) and Rising Mains			SWL of Single PME			Total SWL		
Activity	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
SPS Foundation	Generator (CNP103) (80%)	2	94	88	73	97	91	76
	Air Compressor (CNP003) (100%)	2	104	104	89	107	107	92
	Piling, large dia bored, reverse circulation drill (CNP166) (70%)	2	98	98	88	101	101	91
	Mobile Crane (CNP048) (50%)	1	109	98	93	109	98	93
	Excavator (CNP081) (100%)	1	112	90	85	112	90	85
	Water pump (CNP281) (Electric) (100%)	1	88	88	78	88	88	78
	Backhoe (CNP081) (100%)	1	112	90	85	112	90	85
	Dump Truck (CNP068) (40%)	1	101	101	96	101	101	96
	Lorry (CNP142) (50%)	1	102	102	97	102	102	97
	Bar Bender and Cutter (Electric) (CNP021) (100%)	1	90	90	80	90	90	80
	Vibrating Hammer (CNP172) (30%)	2	110	110	100	113	113	103
	Concrete Lorry Mixer (CNP044) (50%)	1	106	106	101	106	106	101
	Grout Pump (CNP106) (100%)	1	105	105	90	105	105	90
	Grout Mixer (CNP105) (100%)	1	90	90	75	90	90	75
Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94	
			118	115	106	119	116	107
SPS sub-structure and Superstructure	Generator (CNP103) (80%)	2	94	88	73	97	91	76
	Bar Bender and Cutter (Electric) (CNP021) (100%)	2	90	90	80	93	93	83
	Mobile Crane (CNP048) (80%)	1	111	100	95	111	100	95
	Concrete Lorry Mixer (CNP044) (30%)	2	104	104	99	107	107	102
	Vibratory Poker (CNP170) (50%)	4	110	92	82	116	98	88
	Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
			115	111	101	119	114	104
Pipe Laying (800m)	Asphalt Paver (CNP004) (30%)	1	104	99	94	104	99	94
	Hand Held Breaker (CNP025) (30%)	1	106	106	96	106	106	96
	Concrete Lorry Mixer (CNP044) (30%)	1	104	104	99	104	104	99
	Compactor, vibratory (CNP050) (30%)	1	100	97	92	100	97	92
	Dump Truck (CNP068) (50%)	2	102	102	97	105	105	100
	Excavator (CNP081) (50%)	2	109	87	82	112	90	85
	Generator (CNP103) (100%)	2	95	89	74	98	92	77
	Lorry (CNP141) (30%)	1	107	100	95	107	100	95
	Piling, Diaphragm Wall, Hydraulic Extractor (CNP 163) (50%)	1	87	87	82	87	87	82
	Vibratory Poker (CNP170) (30%)	1	108	90	80	108	90	80
	Roller (CNP185) (30%)	1	103	90	85	103	90	85
	Roller, Vibratory (CNP 186) (30%)	1	103	89	84	103	89	84
	Saw, Concrete (CNP 203) (30%)	1	110	110	100	110	110	100
	Vibrating Hammer (CNP172) (50%)	1	112	112	102	112	112	102
			118	116	107	118	116	107

Project: Proposed Comprehensive Residential and Commercial Development atop Siu Ho Wan Depot

Title: Plant Inventory for Construction Phase

Residential Development for Phase 1b			SWL of Single PME			Total SWL		
Activity	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
			Western Access Via Tai Ho Interchange and Superstructure (podium deck + residential blks)					
	Generator (CNP103) (100%)	4	95	89	74	101	95	80
	Bar Bender and Cutter (Electric) (CNP021) (100%)	8	90	90	80	99	99	89
	Mobile Crane (CNP048) (80%)	4	111	100	95	117	106	101
	Concrete Lorry Mixer (CNP044) (50%)	4	106	106	101	112	112	107
	Vibratory Poker (CNP170) (80%)	5	112	94	84	119	101	91
	Concrete pump (CNP047) (100%)	5	109	109	94	116	116	101
	Grinder (CNP 065) (50%)	5	95	95	90	102	102	97
	Hoist, Passenger / Material (CNP 122) (50%)	3	92	92	87	97	97	92
	Lorry (CNP141) (50%)	1	109	102	97	109	102	97
	Compactor, vibratory (CNP050) (50%)	1	102	99	94	102	99	94
	Hand Held Breaker (CNP025) (30%)	1	106	106	96	106	106	96
	Excavator (CNP081) (50%)	1	109	87	82	109	87	82
	Backhoe (CNP081) (50%)	1	109	87	82	109	87	82
	Air Compressor (CNP002) (30%)	1	97	97	82	97	97	82
	Asphalt Paver (CNP004) (40%)	1	105	100	95	105	100	95
	Roller (CNP185) (50%)	1	105	92	87	105	92	87
			119	113	106	124	119	110
Ancillary Works								
	Air Compressor (CNP003) (50%)	2	101	101	86	104	104	89
	Water Pump, Submersible (Electric) (CNP 283) (50%)	2	82	82	72	85	85	75
	Power rammer (petrol) (CNP 169) (50%)	2	105	104	94	108	107	97
	Concrete Lorry Mixer (CNP044) (50%)	3	106	106	101	111	111	106
	Generator (CNP103) (100%)	3	95	89	74	100	94	79
	Vibratory Poker (CNP170) (50%)	2	110	92	82	113	95	85
	Asphalt Paver (CNP004) (50%)	2	106	101	96	109	104	99
	Lorry (CNP141) (50%)	3	109	102	97	114	107	102
	Roller (CNP185) (50%)	2	105	92	87	108	95	90
	Roller, Vibratory (CNP 186) (50%)	2	105	91	86	108	94	89
	Compactor, vibratory (CNP050) (30%)	1	100	97	92	100	97	92
			116	111	104	119	115	108

Project: Proposed Comprehensive Residential and Commercial Development atop Siu Ho Wan Depot

Title: Plant Inventory for Construction Phase

Residential Development for Phases 1-3 and 4a (except Phase 1b)			SWL of Single PME			Total SWL		
Activity	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
			Superstructure (podium deck + residential blks) * Also include construction of temporary noise barrier/ canopy for phase 1a and 1c	Generator (CNP103) (100%)	4	95	89	74
	Bar Bender and Cutter (Electric) (CNP021) (100%)	8	90	90	80	99	99	89
	Mobile Crane (CNP048) (80%)	4	111	100	95	117	106	101
	Concrete Lorry Mixer (CNP044) (50%)	4	106	106	101	112	112	107
	Vibratory Poker (CNP170) (80%)	5	112	94	84	119	101	91
	Concrete pump (CNP047) (100%)	5	109	109	94	116	116	101
	Grinder (CNP 065) (50%)	5	95	95	90	102	102	97
	Hoist, Passenger / Material (CNP 122) (50%)	3	92	92	87	97	97	92
			116	111	103	123	118	109
Ancillary Works	Air Compressor (CNP003) (50%)	2	101	101	86	104	104	89
	Water Pump, Submersible (Electric) (CNP 283) (50%)	2	82	82	72	85	85	75
	Power rammer (petrol) (CNP 169) (50%)	2	105	104	94	108	107	97
	Concrete Lorry Mixer (CNP044) (50%)	3	106	106	101	111	111	106
	Generator (CNP103) (100%)	3	95	89	74	100	94	79
	Vibratory Poker (CNP170) (50%)	2	110	92	82	113	95	85
	Asphalt Paver (CNP004) (50%)	2	106	101	96	109	104	99
	Lorry (CNP141) (50%)	3	109	102	97	114	107	102
	Roller (CNP185) (50%)	2	105	92	87	108	95	90
	Roller, Vibratory (CNP 186) (50%)	2	105	91	86	108	94	89
	Compactor, vibratory (CNP050) (30%)	1	100	97	92	100	97	92
			116	111	104	119	115	108

Project: Proposed Comprehensive Residential and Commercial Development atop Siu Ho Wan Depot

Title: Plant Inventory for Construction Phase

Residential Development for Phases 4b and 4c			SWL of Single PME						Total SWL		
Activity	PME	Units	SWL of Single PME			Total SWL					
			Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated			
Superstructure (podium deck + residential blks)	Generator (CNP103) (100%)	4	95	89	74	101	95	80			
	Bar Bender and Cutter (Electric) (CNP021) (100%)	8	90	90	80	99	99	89			
	Mobile Crane (CNP048) (80%)	4	111	100	95	117	106	101			
	Concrete Lorry Mixer (CNP044) (60%)	6	107	107	102	115	115	110			
	Vibratory Poker (CNP170) (80%)	5	112	94	84	119	101	91			
	Concrete pump (CNP047) (100%)	6	109	109	94	117	117	102			
	Grinder (CNP 065) (50%)	5	95	95	90	102	102	97			
	Hoist, Passenger / Material (CNP 122) (50%)	3	92	92	87	97	97	92			
			116	112	104	123	119	111			
Ancillary Works	Air Compressor (CNP003) (50%)	2	101	101	86	104	104	89			
	Water Pump, Submersible (Electric) (CNP 283) (50%)	2	82	82	72	85	85	75			
	Power rammer (petrol) (CNP 169) (50%)	2	105	104	94	108	107	97			
	Concrete Lorry Mixer (CNP044) (50%)	3	106	106	101	111	111	106			
	Generator (CNP103) (100%)	3	95	89	74	100	94	79			
	Vibratory Poker (CNP170) (50%)	2	110	92	82	113	95	85			
	Asphalt Paver (CNP004) (50%)	2	106	101	96	109	104	99			
	Lorry (CNP141) (50%)	3	109	102	97	114	107	102			
	Roller (CNP185) (50%)	2	105	92	87	108	95	90			
	Roller, Vibratory (CNP 186) (50%)	2	105	91	86	108	94	89			
	Compactor, vibratory (CNP050) (30%)	1	100	97	92	100	97	92			
			116	111	104	119	115	108			

Project: Proposed Comprehensive Residential and Commercial Development atop Siu Ho Wan Depot

Title: Plant Inventory for Construction Phase

Sham Shui Kok Drive Upgrade			SWL of Single PME			Total SWL		
Activity	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
			Road Widening (800m)	Asphalt Paver (CNP004) (30%)	1	104	99	94
	Hand Held Breaker (CNP025) (30%)	1	106	106	96	106	106	96
	Concrete Lorry Mixer (CNP044) (30%)	1	104	104	99	104	104	99
	Compactor, vibratory (CNP050) (30%)	1	100	97	92	100	97	92
	Dump Truck (CNP068) (50%)	2	102	102	97	105	105	100
	Excavator (CNP081) (50%)	2	109	87	82	112	90	85
	Generator (CNP103) (100%)	2	95	89	74	98	92	77
	Lorry (CNP141) (30%)	1	107	100	95	107	100	95
	Vibratory Poker (CNP170) (30%)	1	108	90	80	108	90	80
	Roller (CNP185) (30%)	1	103	90	85	103	90	85
	Roller, Vibratory (CNP 186) (30%)	1	103	89	84	103	89	84
	Saw, Concrete (CNP 203) (30%)	1	110	110	100	110	110	100
	Vibrating Hammer (CNP172) (50%)	1	112	112	102	112	112	102
			118	116	107	118	116	107