

Project : SCL - Tai Wai to Hung Hom Section

Title : Plant Inventory

Ma Chai Hang Ventilation Building Stage 1				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
Mobilization MCH Ventilation Building 7a	Jan 2013 - Jan 2013	Lorry, with Crane/Grab, Gross wt. > 38 tonnes (CNP144) (50%)	1	109	99	94	109	99	94
		Crane Mobile (CNP048) (100%)	1	112	101	96	112	101	96
		Poker, Vibratory, Hand Held (CNP170) (20%)	1	106	91	86	106	91	86
		Mini Backhoe (CNP082) (100%)	1	94	94	89	94	94	89
		Concrete Lorry Mixer (CNP044) (20%)	1	102	93	88	102	93	88
		Concrete Pumping Lorry (CNP054) (20%)	1	102	102	97	102	102	97
				115	106	101	115	106	101
Site Clearance of Playground MCH Ventilation Building 7b	Jan 2013 - Feb 2013	Breaker (Pneumatic) (CNP027) (80%)	1	121	111	106	121	111	106
		Dump Truck with Grab (CNP069) (20%)	1	98	96	91	98	96	91
				121	111	106	121	111	106

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Ma Chai Hang Ventilation Building Stage 2				SWL of Single PME			Total SWL		
Worksite S2									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Guide Wall Construction MCH Ventilation Building 7c	Mar 2013 - Mar 2013	Lorry (CNP 141) (20%)	1	105	95	90	105	95	90
		Bar Bender and Cutter (CNP021) (50%)	1	87	87	87	87	87	87
		Concrete Lorry Mixer (CNP044) (20%)	1	102	93	88	102	93	88
		Poker, Vibratory, Hand Held (CNP170) (20%)	1	106	91	86	106	91	86
		Concrete Pumping Lorry (CNP054) (20%)	1	102	102	97	102	102	97
				110	104	99	110	104	99
Diaphragm Wall Construction MCH Ventilation Building 7d	Mar 2013 - Jun 2013	Piling, Diaphragm Wall, Hydraulic Extractor (CNP163) (80%)	2	89	89	84	92	92	87
		Piling, Diaphragm Wall, Bentonite Filtering Plant (CNP162) (80%)	1	104	104	94	104	104	94
		Concrete Lorry Mixer (CNP044) (20%)	1	102	93	88	102	93	88
		Hydraulic Crawler Crane (CNP048) (80%)	2	111	100	95	114	103	98
		Concrete Pumping Lorry (CNP054) (20%)	1	102	102	97	102	102	97
				113	107	101	115	108	102

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Ma Chai Hang Ventilation Building Stage 3				SWL of Single PME			Total SWL		
Worksite S3				SWL of Single PME			Total SWL		
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Jet Grounding MCH Ventilation Building 7e	Jul 2013 - Jul 2013	Piling Rig and Drilling Rig (CNP167) (50%)	1	111	106	96	111	106	96
		Lorry, Crane/Grab (CNP145) (50%)	1	102	99	94	102	99	94
		Grout Mixer (CNP105) (20%)	1	83	83	78	83	83	78
		Grout Pump (CNP106) (20%)	1	98	98	93	98	98	93
		Welder/generator, portable (CNP107) (100%)	1	100	100	95	100	100	95
		Air Compressor (CNP003) (100%)	1	104	103	93	104	103	93
				113	109	101	113	109	101

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Ma Chai Hang Ventilation Building Stage 4				SWL of Single PME			Total SWL		
Worksite S4				SWL of Single PME			Total SWL		
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Excavation MCH Ventilation Building 7f	Aug 2013 - Sept 2013	Excavator/Loader, Wheeled/Tracked (CNP081) (80%)	2	111	105	100	114	108	103
		Electric Winch (CNP262) (50%)	1	92	92	92	92	92	
		Crane Mobile (CNP048) (80%)	1	111	100	95	111	100	95
		Dump Truck (CNP067) (50%)	2	114	101	96	117	104	99
		Water Pump, Submersible (Electric) (CNP283) (100%)	2	85	85	85	88	88	88
		Ventilation Fan (CNP241) (100%)	3	108	108	98	113	113	103
		Welder/generator, portable (CNP107) (100%)	2	100	100	95	103	103	98
		Hoist, Passenger / Material (CNP122) (40%)	1	91	91	91	91	91	91
						118	111	105	120

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Ma Chai Hang Ventilation Building Stage 5				SWL of Single PME			Total SWL		
Worksite S5									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Installation of Struts and Waling MCH Ventilation Building 7g	Aug 2013 - Sept 2013	Hydraulic Crawler Crane (CNP048) (80%)	1	111	100	95	111	100	95
		Lorry, with Crane/Grab, Gross wt. > 38 tonnes (CNP144) (50%)	1	109	99	94	109	99	94
				113	103	98	113	103	98
Tunnelling/Mining Operations	Oct 2013 - Nov 2015	Conveyor (CNP041) (40%)	1	86	86	86	86	86	86
		Crane Mobile (CNP048) (30%)	1	107	96	91	107	96	91
		Hydraulic Crawler Crane (CNP048) (30%)	1	107	96	91	107	96	91
		Concrete Pumping Lorry (CNP054) (30%)	1	104	104	99	104	104	99
		Dump Truck (CNP067) (50%)	1	114	101	96	114	101	96
		Water Pump, Submersible (Electric) (CNP283) (75%)	1	84	84	84	84	84	84
		Welder/generator, portable (CNP107) (30%)	1	95	95	90	95	95	90
		Hoist, Passenger / Material (CNP122) (30%)	1	90	90	90	90	90	90
		Grout Mixer (CNP105) (30%)	1	85	85	80	85	85	80
		Grout Pump (CNP106) (30%)	1	100	100	95	100	100	95
		TBM Tunnelling, Bentonite Filtering Plant (CNP162) (40%)	1	101	101	91	101	101	91
				116	109	103	116	109	103
Construction of Station/Depot Structure Elements MCH Ventilation Building 7h	Jan 2016 - Mar 2016	Bar Bender and Cutter (CNP021) (50%)	2	87	87	87	90	90	90
		Saw, Circular Wood (CNP201) (50%)	2	105	103	98	108	106	101
		Poker, Vibratory, Hand Held (CNP170) (20%)	4	106	91	86	112	97	92
		Hydraulic Crawler Crane (CNP048) (80%)	1	111	100	95	111	100	95
		Concrete Lorry Mixer (CNP044) (20%)	2	102	93	88	105	96	91
		Water Pump, Submersible (Electric) (CNP283) (100%)	2	85	85	85	88	88	88
		Welder/generator, portable (CNP107) (100%)	2	100	100	95	103	103	98
		Concrete Pumping Lorry (CNP054) (20%)	1	102	102	97	102	102	97
				114	108	103	116	110	105
E&M Installation MCH Ventilation Building 7j	Apr 2016 - May 2016	Crane Mobile (CNP048) (80%)	1	111	100	95	111	100	95
		Lorry, with Crane/Grab, Gross wt. > 38 tonnes (CNP144) (20%)	1	105	95	90	105	95	90
		Drill, Hand-Held (Battery) (CNP071) (50%)	2	86	86	86	89	89	89
				112	101	97	112	101	97

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Ma Chai Hang Ventilation Building Stage 6				SWL of Single PME			Total SWL		
Worksite S6				SWL of Single PME			Total SWL		
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Permanent Underground Structures MCH Ventilation Building 7k	Jun 2016 - Jul 2016	Lorry, Crane/Grab (CNP145) (50%)	1	102	99	94	102	99	94
		Hydraulic Crawler Crane (CNP048) (80%)	1	111	100	95	111	100	95
		Welder/generator, portable (CNP107) (100%)	1	100	100	95	100	100	95
		Bar Bender and Cutter (CNP021) (50%)	2	87	87	87	90	90	90
		Saw, Circular Wood (CNP201) (50%)	1	105	103	98	105	103	98
		Poker, Vibratory, Hand Held (CNP170) (20%)	3	106	91	86	111	96	91
		Concrete Lorry Mixer (CNP044) (20%)	1	102	93	88	102	93	88
		Concrete Pumping Lorry (CNP054) (20%)	1	102	102	97	102	102	97
				114	108	103	115	108	104

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Ma Chai Hang Ventilation Building Stage 7				SWL of Single PME			Total SWL		
Worksite S7				SWL of Single PME			Total SWL		
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Backfilling and Reinstatement MCH Ventilation Building 71	Aug 2016 - Aug 2016	Bulldozer (CNP030) (100%)	1	115	104	99	115	104	99
		Roller (CNP185) (20%)	1	101	94	89	101	94	89
		Dump Truck with Grab (CNP069) (20%)	1	98	96	91	98	96	91
		Dump Truck (CNP067) (20%)	1	110	97	92	110	97	92
		Lorry, with Crane/Grab, Gross wt. > 38 tonnes (CNP144) (50%)	1	109	99	94	109	99	94
		Concrete Lorry Mixer (CNP044) (20%)	1	102	93	88	102	93	88
		Asphalt Paver (CNP004) (50%)	1	106	98	93	106	98	93
				118	107	102	118	107	102

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Ma Chai Hang Ventilation Building Stage 8				SWL of Single PME			Total SWL		
Worksite S8				SWL of Single PME			Total SWL		
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Construction of Above Ground Structures MCH Ventilation Building 7m	Sept 2016 - Oct 2016	Bar Bender and Cutter (CNP021) (50%)	2	87	87	87	90	90	90
		Saw, Circular Wood (CNP201) (50%)	1	105	103	98	105	103	98
		Poker, Vibratory, Hand Held (CNP170) (20%)	4	106	91	86	112	97	92
		Crane Mobile (CNP048) (100%)	1	112	101	96	112	101	96
		Concrete Lorry Mixer (CNP044) (20%)	1	102	93	88	102	93	88
		Concrete Pumping Lorry (CNP054) (20%)	1	102	102	97	102	102	97
						114	107	102	116

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Ma Chai Hang Ventilation Building				SWL of Single PME			Total SWL		
Worksite S9				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Activity	Months	PME	Units						
Reprovisioning Works	Jun 2012 - Dec 2012	Lorry, with Crane/Grab, Gross wt. > 38 tonnes (CNP144) (50%)	1	109	99	94	109	99	94
		Crane Mobile (CNP048) (100%)	1	112	101	96	112	101	96
		Poker, Vibratory, Hand Held (CNP170) (20%)	1	106	91	86	106	91	86
		Mini Backhoe (CNP082) (100%)	1	94	94	89	94	94	89
		Concrete Lorry Mixer (CNP044) (20%)	1	102	93	88	102	93	88
		Concrete Pumping Lorry (CNP054) (20%)	1	102	102	97	102	102	97
				115	106	101	115	106	101