

Project : SCL - Tai Wai to Hung Hom Section
Title : Plant Inventory

KAT				SWL of Single PME			Total SWL		
Worksite S1									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site clearance and erection of hoarding	Jun 2012 - Oct 2012	Mini Backhoe (CNP082) (50%)	4	91	91	86	97	97	92
		Dump Truck (CNP067) (50%)	2	114	101	96	117	104	99
		Dump Truck with Grab (CNP069) (20%)	1	98	96	91	98	96	91
		Air Compressor (CNP002) (100%)	1	102	102	92	102	102	92
		Hand Held Breaker (CNP025) (50%)	1	108	103	98	108	103	98
		Welder/Generator, portable (CNP107) (50%)	1	97	97	92	97	97	92
		115	108	102	118	109	103		
Bulk excavation of soft soil and dewatering	Nov 2012 - May 2015	Mini Backhoe (CNP082) (50%)	6	91	91	86	99	99	94
		Dump Truck (CNP067) (50%)	4	114	101	96	120	107	102
		Water pump (CNP281) (Electric) (100%)	208	88	88	88	111	111	111
		Crane Mobile (CNP048) (30%)	4	107	96	91	113	102	97
		115	103	98	121	113	112		
Station Structure Construction (including enabling works)	Feb 2013 - Jan 2015	Poker, Vibratory, Hand Held (CNP170) (20%)	6	106	91	86	114	99	94
		Air Compressor (CNP002) (100%)	6	102	102	92	110	110	100
		Concrete Lorry Mixer (CNP044) (20%)	6	102	93	88	110	101	96
		Concrete pump (CNP047) (20%)	6	102	100	95	110	108	103
		Crane Mobile (CNP048) (20%)	2	105	94	89	108	97	92
		111	105	98	118	113	106		
Backfill and compaction	Apr 2014 - Apr 2015	Mini Backhoe (CNP082) (50%)	6	91	91	86	99	99	94
		Dump Truck (CNP067) (50%)	6	114	101	96	122	109	104
		Roller (CNP185) (70%)	6	106	99	94	114	107	102
		Bulldozer (CNP030) (70%)	6	113	102	97	121	110	105
		117	106	101	125	114	109		
Sheeting and Lateral Support System	Oct 2014 - Mar 2015	Welder/Generator, portable (CNP107) (50%)	2	97	97	92	100	100	95
	Jul 2014 - Sept 2014	Crane Mobile (CNP048) (20%)	2	105	94	89	108	97	92
		Dump Truck (CNP067) (10%)	2	107	94	89	110	97	92
		Piling, Vibrating Hammer (CNP172) (80%)	2	114	105	100	117	108	103
		Air Compressor (CNP002) (50%)	2	99	99	89	102	102	92
		115	107	101	118	110	104		
BS Installation and ABWF works	May 2015 - Feb 2016	Crane Mobile (CNP048) (80%)	18	111	100	95	124	113	108
		Dump Truck with Grab (CNP069) (60%)	18	103	101	96	115	113	108
		112	103	98	124	116	111		

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Kai Tak Shaft to Kai Tak Station Cut and Cover				SWL of Single PME			Total SWL		
Worksite S3									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Mobilization Table 11A	Jun 2012 - Aug 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%)	3	106	91	86	111	96	91
		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	116
Breaking of Airfield Pavement Table 10B	Aug 2012 - Oct 2012	Breaker (Pneumatic) (CNP027) (70%)	1	120	110	105	120	110	105
		Dump Truck with Grab (CNP069) (20%)	1	98	96	91	98	96	91
				120	111	106	120	111	106
Diaphragm Wall Construction Table 11C	Oct 2012 - Jul 2013	Piling, Diaphragm Wall, Hydraulic Extractor (CNP163) (100%)	3	90	90	85	95	95	90
		Lorry (CNP 141) (20%)	1	105	95	90	105	95	90
		Hydraulic Crawler Crane (80%)	1	111	100	95	111	100	95
				112	102	97	112	102	97
Excavation Table 11D	Aug 2013 - Dec 2013	Mini Backhoe (CNP082) (50%)	1	91	91	86	91	91	86
		Crane Mobile (CNP048) (80%)	1	111	100	95	111	100	95
		Dump Truck with Grab (CNP069) (20%)	1	98	96	91	98	96	91
		Water Pump, Submersible (Electric) (CNP283) (100%)	2	85	85	85	88	88	88
		Excavator/Loader, Wheeled/Tracked (CNP081) (100%)	2	112	106	101	115	109	104
		Welder/Generator, portable (CNP107) (100%)	2	100	100	95	103	103	98
						115	108	103	117
Installation of Struts and Waling Table 11E	Aug 2013 - Jan 2014	Hydraulic Crawler Crane (80%)	1	111	100	95	111	100	95
		Lorry, with Crane/Grab, Gross wt. > 38 tonnes (20%)	1	105	95	90	105	95	90
				112	101	96	112	101	96
Tunnel Construction Table 11F	Feb 2014 - May 2015	Lorry, Crane/Grab (CNP145) (50%)	1	102	99	94	102	99	94
		Hydraulic Crawler Crane (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
Backfilling and Reinstatement Table 11G	Jun 2015 - Sept 2015	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) (100%)	1	112	102	97	112	102	97
				118	107	102	118	107	102

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Kai Tak Station Cut and Cover Tunnel				SWL of Single PME			Total SWL		
Worksite S4									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Mobilization Table 11A	Jun 2012 - Aug 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%)	3	106	91	86	111	96	91
		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	116	107	102
Breaking of Airfield Pavement Table 10B	Aug 2012 - Oct 2012	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
Diaphragm Wall Construction Table 11C	Oct 2012 - Jul 2013	Piling, Diaphragm Wall, Hydraulic Extractor (CNP163) (100%)	3	90	90	85	95	95	90
		Lorry (CNP 141) (20%)	1	105	95	90	105	95	90
		Hydraulic Crawler Crane (80%)	1	111	100	95	111	100	95
				112	102	97	112	102	97
Excavation Table 11D	Aug 2013 - Dec 2013	Mini Backhoe (CNP082) (50%)	1	91	91	86	91	91	86
		Crane Mobile (CNP048) (80%)	1	111	100	95	111	100	95
		Dump Truck with Grab (CNP069) (20%)	1	98	96	91	98	96	91
		Water Pump, Submersible (Electric) (CNP283) (100%)	2	85	85	85	88	88	88
		Excavator/Loader, Wheeled/Tracked (CNP081) (100%)	2	112	106	101	115	109	104
		Welder/Generator, portable (CNP107) (100%)	2	100	100	95	103	103	98
				115	108	103	117	111	106
Installation of Struts and Waling Table 11E	Aug 2013 - Jan 2014	Hydraulic Crawler Crane (80%)	1	111	100	95	111	100	95
		Lorry, with Crane/Grab, Gross wt. > 38 tonnes (20%)	1	105	95	90	105	95	90
				112	101	96	112	101	96
Tunnel Construction Table 11F	Feb 2014 - May 2015	Lorry, Crane/Grab (CNP145) (50%)	1	102	99	94	102	99	94
		Hydraulic Crawler Crane (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
Backfilling and Reinstatement Table 11G	Jun 2015 - Sept 2015	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) (100%)	1	112	102	97	112	102	97
				118	107	102	118	107	102

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Tunnel (Below Existing Kai Tak Nullah and Proposed Temporary Channel)				SWL of Single PME			Total SWL		
Worksite S5									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance and Erection of hoarding	Jun 2012 - Jul 2012	Mini Backhoe (CNP082) (50%)	2	91	91	86	94	94	89
		Dump Truck (CNP067) (50%)	2	114	101	96	117	104	99
		Dump Truck with Grab (CNP069) (20%)	1	98	96	91	98	96	91
		Air Compressor (CNP002) (100%)	1	102	102	92	102	102	92
		Hand Held Breaker (CNP025) (50%)	1	108	103	98	108	103	98
		Welder/Generator, portable (CNP107) (50%)	1	97	97	92	97	97	92
						115	108	102	118
Sheeting and Lateral Support System	Aug 2012 - May 2013	Welder/Generator, portable (CNP107) (50%)	4	97	97	92	103	103	98
		Crane Mobile (CNP048) (20%)	4	105	94	89	111	100	95
		Lorry (CNP 141) (10%)	4	102	92	87	108	98	93
		Piling, Vibrating Hammer (CNP172) (80%)	4	114	105	100	120	111	106
		Air Compressor (CNP002) (50%)	4	99	99	89	105	105	95
				115	107	101	121	113	107
Bulk excavation of soft soil and dewatering	Jan 2013 - Oct 2013	Mini Backhoe (CNP082) (50%)	6	91	91	86	99	99	94
		Dump Truck (CNP067) (50%)	4	114	101	96	120	107	102
		Water pump (CNP281) (Electric) (100%)	100	88	88	88	108	108	108
		Crane Mobile (CNP048) (30%)	2	107	96	91	110	99	94
				115	103	98	121	111	109
Construct Tunnel	Jul 2013 - Mar 2014	Poker, Vibratory, Hand Held (CNP170) (20%)	3	106	91	86	111	96	91
		Air Compressor (CNP002) (100%)	3	102	102	92	107	107	97
		Concrete Lorry Mixer (CNP044) (20%)	3	102	93	88	107	98	93
		Concrete pump (CNP047) (20%)	3	102	100	95	107	105	100
		Crane Mobile (CNP048) (20%)	1	105	94	89	105	94	89
				111	105	98	115	110	103
Backfill and compaction	Dec 2013 - Jun 2014	Mini Backhoe (CNP082) (50%)	4	91	91	86	97	97	92
		Dump Truck (CNP067) (50%)	4	114	101	96	120	107	102
		Roller (CNP185) (70%)	4	106	99	94	112	105	100
		Bulldozer (CNP030) (70%)	4	113	102	97	119	108	103
				117	106	101	123	112	107

Project : SCL - Tai Wai to Hung Hom Section
Title : Plant Inventory

Tunnel (Mined Section below LTSS and cofferdam section at north and south side of mined tunnels)				SWL of Single PME			Total SWL				
Worksite S6											
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated		
Site Clearance and Erection of hoarding	Apr 2013 - May 2013	Mini Backhoe (CNP082) (50%)	4	91	91	86	97	97	92		
		Dump Truck (CNP067) (50%)	2	114	101	96	117	104	99		
		Dump Truck with Grab (CNP069) (20%)	1	98	96	91	98	96	91		
		Air Compressor (CNP002) (100%)	1	102	102	92	102	102	92		
		Hand Held Breaker (CNP025) (50%)	1	108	103	98	108	103	98		
		Welder/Generator, portable (CNP107) (50%)	1	97	97	92	97	97	92		
						115	108	102	118	109	103
Sheeting and Lateral Support System	Jun 2013 - Jul 2013	Welder/Generator, portable (CNP107) (50%)	4	97	97	92	103	103	98		
		Crane Mobile (CNP048) (20%)	4	105	94	89	111	100	95		
		Lorry (CNP 141) (10%)	4	102	92	87	108	98	93		
		Piling, Vibrating Hammer (CNP172) (80%)	4	114	105	100	120	111	106		
		Air Compressor (CNP002) (50%)	4	99	99	89	105	105	95		
						115	107	101	121	113	107
Bulk excavation of soft soil and dewatering	Jul 2013 - Oct 2013	Mini Backhoe (CNP082) (50%)	6	91	91	86	99	99	94		
		Dump Truck (CNP067) (50%)	4	114	101	96	120	107	102		
		Water pump (CNP281) (Electric) (100%)	100	88	88	88	108	108	108		
		Crane Mobile (CNP048) (30%)	2	107	96	91	110	99	94		
						115	103	98	121	111	109
Canopy Pipe Pile Construction	Nov 2013 - Aug 2014	Piling Rig and Drilling Rig (CNP167) (50%)	4	111	106	96	117	112	102		
		Mini Backhoe (CNP082) (50%)	4	91	91	86	97	97	92		
		Breaker (Pneumatic) (CNP027) (50%)	2	119	109	104	122	112	107		
		Dump Truck (CNP067) (20%)	4	110	97	92	116	103	98		
		Piling, Vibrating Hammer (CNP172) (50%)	2	112	103	98	115	106	101		
		Air Compressor (CNP002) (50%)	2	99	99	89	102	102	92		
		Concrete Lorry Mixer (CNP044) (50%)	2	106	97	92	109	100	95		
		Welder/Generator, portable (CNP107) (50%)	4	97	97	92	103	103	98		
						121	112	106	125	116	110
Construct Tunnel	Sept 2014 - Apr 2015	Poker, Vibratory, Hand Held (CNP170) (20%)	3	106	91	86	111	96	91		
		Air Compressor (CNP002) (100%)	3	102	102	92	107	107	97		
		Concrete Lorry Mixer (CNP044) (20%)	3	102	93	88	107	98	93		
		Concrete pump (CNP047) (20%)	3	102	100	95	107	105	100		
		Crane Mobile (CNP048) (20%)	1	105	94	89	105	94	89		
						111	105	98	115	110	103
Backfill and compaction	Mar 2015 - May 2015	Mini Backhoe (CNP082) (100%)	4	94	94	89	100	100	95		
		Dump Truck (CNP067) (50%)	4	114	101	96	120	107	102		
		Roller (CNP185) (70%)	4	106	99	94	112	105	100		
		Bulldozer (CNP030) (70%)	4	113	102	97	119	108	103		
						117	106	101	123	112	107

Project : SCL - Tai Wai to Hung Hom Section
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Tunnel (Open Cut Section Approaching to TKW)				SWL of Single PME			Total SWL		
Worksite S7									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance and Erection of hoarding	Aug 2013 - Sept 2013	Mini Backhoe (CNP082) (80%)	4	93	93	88	99	99	94
		Dump Truck (CNP067) (50%)	2	114	101	96	117	104	99
		Dump Truck with Grab (CNP069) (20%)	1	98	96	91	98	96	91
		Air Compressor (CNP002) (100%)	1	102	102	92	102	102	92
		Hand Held Breaker (CNP025) (50%)	1	108	103	98	108	103	98
		Welder/Generator, portable (CNP107) (50%)	1	97	97	92	97	97	92
						115	108	102	118
Bulk excavation of soft soil and dewatering	Oct 2013 - Feb 2015	Mini Backhoe (CNP082) (100%)	6	94	94	89	102	102	97
		Dump Truck (CNP067) (50%)	4	114	101	96	120	107	102
		Water pump (CNP281) (Electric) (100%)	100	88	88	88	108	108	108
		Crane Mobile (CNP048) (30%)	2	107	96	91	110	99	94
				115	103	98	121	111	109
Construct Tunnel	Jan 2014 - Sept 2015	Poker, Vibratory, Hand Held (CNP170) (20%)	3	106	91	86	111	96	91
		Air Compressor (CNP002) (100%)	3	102	102	92	107	107	97
		Concrete Lorry Mixer (CNP044) (20%)	3	102	93	88	107	98	93
		Concrete pump (CNP047) (20%)	3	102	100	95	107	105	100
		Crane Mobile (CNP048) (20%)	1	105	94	89	105	94	89
				111	105	98	115	110	103
Backfill and compaction	Jun 2015 - Sept 2015	Mini Backhoe (CNP082) (100%)	4	94	94	89	100	100	95
		Dump Truck (CNP067) (50%)	4	114	101	96	120	107	102
		Roller (CNP185) (70%)	4	106	99	94	112	105	100
		Bulldozer (CNP030) (70%)	4	113	102	97	119	108	103
				117	106	101	123	112	107