

Annex B

Construction Plant Inventory

C1707 - Planning and Development Study for Potential Housing Sites in Tuen Mun Area 54, Assumed Plant Inventory on each active work site

A	Site Formation	Plant	GW-TM Identification code	Unit	SWL	Sub-SWL
		Breaker (mass> 35 kg)	C.2/10	1	114	114
		Air Compressor (air flow equals to or less than 10m ³ /min)	CNP 001	1	100	100
		Excavator	CNP 081	1	112	112
		Lorry	CNP 141	1	112	112
					Total	118
B	Roadworks	Plant	GW-TM Identification code	Unit	SWL	Sub-SWL
B1	Excavation	Excavator	CNP 081	1	112	112
		Lorry	CNP 141	1	112	112
		Breaker (mass> 35 kg)	CNP 026	1	114	114
		Air Compressor (air flow equals to or less than 10m ³ /min)	CNP 001	1	100	100
					Total	118
B2	Placement of Road Base	Lorry	CNP 141	1	112	112
		Compactor, vibratory	CNP 050	1	105	105
		Loader	CNP 081	1	112	112
					Total	115
B3	Kerbing	Concrete Lorry Mixer	CNP 044	1	109	109
		Poker Vibrator	CNP 170	1	113	113
					Total	114
B4	Leveling of New Road	Grader	CNP 104	1	113	113
		Bulldozer	CNP 030	1	115	115
					Total	117
B5	Road Paving	Asphalt Paver	CNP 004	1	109	109
		Road Roller	CNP 185	1	108	108
		Vibratory Roller	CNP 186	1	108	108
		Lorry	CNP 141	1	112	112
					Total	116
C	Superstructure Construction	Plant	GW-TM Identification code	Unit	SWL	Sub-SWL
C1	Piling	Bored Piling rig (reverse circulation drill)	CNP 166	1	100	100
					Total	100
		Drop Hammer driving steel sheet pile	-	1	129	129
					Total	129
C2	Concreting Works	Concrete Lorry Mixer	CNP 044	1	109	109
		Poker Vibrator	CNP 170	1	113	113
					Total	114

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C3	Formwork & Reinforcement	Mobile Crane	CNP 048	1	112	112
		Air Compressor (air flow equals to or less than 10m ³ /min)	CNP 001	1	100	100
		Winch (pneumatic)	CNP 261	1	110	110
		Bar bender and cutter	CNP 021	1	90	90
		Saw, circular, wood	CNP 201	1	108	108
		Total				115
C4	Material Handling	Tower Crane	CNP 049	1	95	95
		Mobile Crane	CNP 048	1	112	112
		Hoist, passenger/material	CNP 122	1	95	95
		Total				112
D	Drainage / Utility Works	Plant	GW-TM Identification code	Unit	SWL	Sub-SWL
D1	Trench Excavation	Excavator	CNP 081	1	112	112
		Lorry	CNP 141	1	112	112
		Total				115
D2	Preparation of Formation	Breaker (mass > 35 kg)	CNP 026	1	114	114
		Air Compressor (air flow equals to or less than 10m ³ /min)	CNP 001	1	100	100
		Total				114
D3	Pipe/utility Installation	Mobile Crane	CNP 048	1	112	112
		Total				112
D4	Construction of Manhole	Concrete Lorry Mixer	CNP 044	1	109	109
		Poker Vibrator	CNP 170	1	113	113
		Total				114
D5	Backfilling	Loader	CNP 081	1	112	112
		Roller, Vibratory	CNP 186	1	108	108
		Total				113

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A	Site Formation	Plant	GW-TM Identification code or BS5228 Table no./ Ref no.	Unit	SWL	Sub-SWL
		Breaker (mass> 35 kg)	C.2/10	1	110	110
		Air Compressor (air flow equals to or less than 10m ³ /min)	C.7/25	1	98	98
		Excavator	C.3/35	1	106	106
		Lorry	C.9/27	1	105	105
					Total	112
B	Roadworks	Plant	GW-TM Identification code or BS5228 Table no./ Ref no.	Unit	SWL	Sub-SWL
B1	Excavation	Excavator	C.3/35	1	106	106
		Lorry	C.9/27	1	105	105
		Breaker (mass> 35 kg)	C.2/10	1	110	110
		Air Compressor (air flow equals to or less than 10m ³ /min)	C.7/25	1	98	98
					Total	112
B2	Placement of Road Base	Lorry	C.9/27	1	105	105
		Compactor, vibratory	CNP 050	1	105	105
		Loader	C.3/97	1	105	105
					Total	110
B3	Kerbing	Concrete Lorry Mixer	C.6/35	1	100	100
		Poker Vibrator	C.6/32	1	100	100
					Total	103
B4	Leveling of New Road	Grader	C.3/76	1	111	111
		Bulldozer	C.3/65	1	110	110
					Total	114
B5	Road Paving	Asphalt Paver	CNP 004	1	109	109
		Road Roller	C.8/27	1	104	104
		Vibratory Roller	C.3/115	1	102	102
		Lorry	C.9/27	1	105	105
					Total	112
C	Superstructure Construction	Plant	GW-TM Identification code or BS5228 Table no./ Ref no.	Unit	SWL	Sub-SWL
C1	Piling	Bored Piling rig (reverse circulation drill)	CNP 166	1	100	100
					Total	100
		Drop Hammer driving steel sheet pile	-	1	129	129
					Total	129

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C2	Concreting Works	Concrete Lorry Mixer	C.6/35	1	100	100
		Poker Vibrator	C.6/32	1	100	100
					Total	103
C3	Formwork & Reinforcement	Mobile Crane	C.7/110	1	106	106
		Air Compressor (air flow equals to or less than 10m ³ /min)	C.7/25	1	98	98
		Winch (pneumatic)	CNP 261	1	110	110
		Bar bender and cutter	CNP 021	1	90	90
		Saw, circular, wood	CNP 201	1	108	108
					Total	113
C4	Material Handling	Tower Crane	CNP 049	1	95	95
		Mobile Crane	C.7/110	1	106	106
		Hoist, passenger/material	CNP 122	1	95	95
					Total	107
D	Drainage / Utility Works	Plant	GW-TM Identification code or BS5228 Table no./ Ref no.	Unit	SWL	Sub-SWL
D1	Trench Excavation	Excavator	C.3/97	1	105	105
		Lorry	C.9/27	1	105	105
					Total	108
D2	Preparation of Formation	Breaker (mass> 35 kg)	C.2/10	1	110	110
		Air Compressor (air flow equals to or less than 10m ³ /min)	C.7/25	1	98	98
					Total	110
D3	Pipe/utility Installation	Mobile Crane	C.7/110	1	106	106
					Total	106
D4	Construction of Manhole	Concrete Lorry Mixer	C.6/35	1	100	100
		Poker Vibrator	C.6/32	1	100	100
					Total	103
D5	Backfilling	Loader	C.3/97	1	105	105
		Roller, Vibratory	C.3/115	1	102	102
					Total	107

C1707 - Planning and Development Study for Potential Housing Sites in Tuen Mun Area 54, Quiet Plant Inventory and the use of barrier on each work site

A	Site Formation	Plant	GW-TM Identification code or BS5228 Table no./ Ref no.	Unit	SWL	Noise Reduction with Barriers	Sub-SWL
		Breaker (mass > 35	C.2/10	1	110	0	110
		Air Compressor (air flow equals to or less than 10m ³ /min)	C.7/25	1	98	-10	88
		Excavator	C.3/35	1	106	-5	101
		Lorry	C.9/27	1	105	0	105
					Total		112
B	Roadworks	Plant	GW-TM Identification code or BS5228 Table no./ Ref no.	Unit	SWL	Noise Reduction with Barriers	Sub-SWL
B1	Excavation	Excavator	C.3/35	1	106	-5	101
		Lorry	C.9/27	1	105	0	105
		Breaker (mass > 35	C.2/10	1	110	0	110
		Air Compressor (air flow equals to or less than 10m ³ /min)	C.7/25	1	98	-10	88
					Total		112
B2	Placement of Road Base	Lorry	C.9/27	1	105	0	105
		Compactor, vibratory	CNP 050	1	105	0	105
		Loader	C.3/97	1	105	0	105
					Total		110
B3	Kerbing	Concrete Lorry Mixer	C.6/35	1	100	-5	95
		Poker Vibrator	C.6/32	1	100	-10	90
					Total		96
B4	Leveling of New Road	Grader	C.3/76	1	111	-5	106
		Bulldozer	C.3/65	1	110	0	110
					Total		111
B5	Road Paving	Asphalt Paver	CNP 004	1	109	0	109
		Road Roller	C.8/27	1	104	-5	99
		Vibratory Roller	C.3/115	1	102	-5	97
		Lorry	C.9/27	1	105	0	105
					Total		111
C	Superstructure Construction	Plant	GW-TM Identification code or BS5228 Table no./ Ref no.	Unit	SWL	Noise Reduction with Barriers	Sub-SWL
C1	Piling	Bored Piling rig (reverse circulation drill)	CNP 166	1	100	0	100
					Total		100
		Drop Hammer driving steel sheet pile	-	1	129	0	129

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					Total		129
C2	Concreting Works	Concrete Lorry Mixer	C.6/35	1	100	-5	95
		Poker Vibrator	C.6/32	1	100	-10	90
		Total					
C3	Formwork & Reinforcement	Mobile Crane	C.7/110	1	106	-5	101
		Air Compressor (air flow equals to or less than 10m ³ /min)	C.7/25	1	98	-10	88
		Winch (pneumatic)	CNP 261	1	110	0	110
		Bar bender and cutter	CNP 021	1	90	0	90
		Saw, circular, wood	CNP 201	1	108	0	108
		Total					112
C4	Material Handling	Tower Crane	CNP 049	1	95	0	95
		Mobile Crane	C.7/110	1	106	-5	101
		Hoist, passenger/material	CNP 122	1	95	0	95
		Total					
D	Drainage / Utility Works	Plant	GW-TM Identification code or BS5228 Table no./ Ref no.	Unit	SWL	Noise Reduction with Barriers	Sub-SWL
D1	Trench Excavation	Excavator	C.3/97	1	105	-5	100
		Lorry	C.9/27	1	105	0	105
		Total					
D2	Preparation of	Breaker (mass > 35)	C.2/10	1	110	0	110
		Air Compressor (air flow equals to or less than 10m ³ /min)	C.7/25	1	98	-10	88
		Total					
D3	Pipe/utility Installation	Mobile Crane	C.7/110	1	106	-5	101
		Total					
D4	Construction of Manhole	Concrete Lorry Mixer	C.6/35	1	100	-5	95
		Poker Vibrator	C.6/32	1	100	-10	90
		Total					
D5	Backfilling	Loader	C.3/97	1	105	0	105
		Roller, Vibratory	C.3/115	1	102	-5	97
		Total					