

## Appendix 4.3 Construction Plant Inventory during Non-restricted Hours (Unmitigated Scenario)

### 1a - Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Excavator	CNP 081	2	112	80%	114
Saw, circular, wood	CNP 201	1	108	70%	106
Mobile Crane	CNP 048	1	112	80%	111
Loader	CNP 081	1	112	70%	110
Lorry	CNP 141	1	112	30%	107
Breaker, hand-held, mass <= 10kg	CNP 023	1	108	80%	107
				<b>Total SWL</b>	<b>118</b>

### 1b - Site Clearance / Set-up / Plant Mobilization

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Excavator	CNP 081	2	112	80%	114
Mobile Crane	CNP 048	1	112	80%	111
Loader	CNP 081	1	112	70%	110
Lorry	CNP 141	1	112	30%	107
				<b>Total SWL</b>	<b>117</b>

### 2a - Utilities Protection and Diversion Works

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Excavator	CNP 081	2	112	80%	114
Mobile Crane	CNP 048	1	112	80%	111
Loader	CNP 081	1	112	70%	110
Lorry	CNP 141	1	112	30%	107
				<b>Total SWL</b>	<b>117</b>

### 2b - Utilities Protection and Diversion Works

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
<b>Group A<sup>[3]</sup></b>					
Excavator	CNP 081	2	112	80%	114
Mobile Crane	CNP 048	1	112	80%	111
Loader	CNP 081	1	112	70%	110
Lorry	CNP 141	1	112	30%	107
				<b>SWL (Group)</b>	<b>117</b>
<b>Group B<sup>[3]</sup></b>					
Generator, Silenced	CNP 102	2	100	100%	103
Bar bender and cutter (electric)	CNP 021	1	90	100%	90
Saw, circular, wood	CNP 201	1	108	70%	106
				<b>SWL (Group)</b>	<b>108</b>
<b>Group C<sup>[3]</sup></b>					
Breaker, hand-held, mass <= 10kg	CNP 023	1	108	80%	107
Concrete lorry mixer	CNP 044	1	109	70%	107
Concrete mixer	CNP 045	1	96	70%	94
Concrete Pump	CNP 047	1	109	70%	107
Poker, vibratory, hand-held	CNP 170	2	113	70%	114
				<b>SWL (Group)</b>	<b>116</b>
				<b>Max. SWL</b>	<b>117</b>

### 3a - Slopework

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Excavator	CNP 081	2	112	80%	114
Generator, Silenced	CNP 102	2	100	100%	103
Air Compressor	CNP 002	2	102	100%	105
Drilling Rig	OCUPME-15	1	110	80%	109
Grout Mixer	OCUPME-21	1	90	80%	89
Grout Pump	OCUPME-22	1	105	80%	104
Lorry	CNP 141	1	112	30%	107
				<b>Total SWL</b>	<b>117</b>

## Appendix 4.3 Construction Plant Inventory during Non-restricted Hours (Unmitigated Scenario)

### 3b - Slopework

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Excavator	CNP 081	1	112	80%	111
Generator, Silenced	CNP 102	1	100	100%	100
Air Compressor	CNP 002	1	102	100%	102
Drilling Rig	OCUPME-15	1	110	80%	109
Grout Mixer	OCUPME-21	1	90	80%	89
Grout Pump	OCUPME-22	1	105	80%	104
Lorry	CNP 141	1	112	30%	107
				<b>Total SWL</b>	<b>115</b>

### 3c - Reinstatement of Slope

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Excavator	CNP 081	1	112	80%	111
Generator, Silenced	CNP 102	2	100	100%	103
Air Compressor	CNP 002	2	102	100%	105
Roller, vibratory	CNP 186	1	108	90%	108
Lorry	CNP 141	1	112	30%	107
				<b>Total SWL</b>	<b>115</b>

### 4a - Piling Works

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
<b>General</b>					
Generator, Silenced	CNP 102	2	100	100%	103
Air Compressor	CNP 002	1	102	100%	102
Water Pump, submersible (electric)	CNP 283	1	85	100%	85
Crane	CNP 048	1	112	80%	111
				<b>SWL (General)</b>	<b>112</b>
<b>Group A<sup>[3]</sup></b>					
Piling, large diameter bored, reverse circulation	CNP 166	1	100	80%	99
Breaker, hand-held, mass <= 10kg	CNP 023	1	108	80%	107
Backhoe	CNP 081	2	112	80%	114
Lorry	CNP 141	1	112	30%	107
				<b>SWL (Group)</b>	<b>116</b>
<b>Group B<sup>[3]</sup></b>					
Concrete lorry mixer	CNP 044	1	109	70%	107
				<b>SWL (Group)</b>	<b>107</b>
				<b>Total SWL (General + Group A)</b>	<b>117</b>

## Appendix 4.3 Construction Plant Inventory during Non-restricted Hours (Unmitigated Scenario)

### 4b - Piling Works at SMRC

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
<b>General</b>					
Generator, Silenced	CNP 102	4	100	100%	106
Air Compressor	CNP 002	4	102	100%	108
Crane	CNP 048	1	112	80%	111
Barge	CNP 061	1	104	30%	99
Water Pump, submersible (electric)	CNP 283	4	85	100%	91
Welding Set	[4]	1	78	100%	78
<b>SWL (General)</b>					<b>114</b>
<b>Group A<sup>[3]</sup></b>					
Piling, vibrating hammer	OCUPME-26	1	115	50%	112
Piling, large diameter bored, reverse circulation	CNP 166	1	100	80%	99
Breaker, hand-held, mass <= 10kg	CNP 023	1	108	80%	107
Backhoe	CNP 081	1	112	80%	111
Dump Truck	CNP 067	1	117	30%	112
<b>SWL (Group)</b>					<b>117</b>
<b>Group B<sup>[3]</sup></b>					
Concrete lorry mixer	CNP 044	1	109	70%	107
<b>SWL (Group)</b>					<b>107</b>
<b>Total SWL (General + Group A)</b>					<b>119</b>

### 5a - Pile Caps and Piers

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
<b>General</b>					
Generator, Silenced	CNP 102	2	100	100%	103
Air Compressor	CNP 002	1	102	100%	102
Crane	CNP 048	1	112	80%	111
Breaker, hand-held, mass <= 10kg	CNP 023	1	108	80%	107
Lorry	CNP 141	1	112	30%	107
Backhoe	CNP 081	1	112	80%	111
<b>SWL (General)</b>					<b>116</b>
<b>Group A<sup>[3]</sup></b>					
Bar bender and cutter (electric)	CNP 021	1	90	100%	90
Saw, circular, wood	CNP 201	1	108	70%	106
<b>SWL (Group)</b>					<b>107</b>
<b>Group B<sup>[3]</sup></b>					
Concrete lorry mixer	CNP 044	1	109	70%	107
Concrete Pump	CNP 047	1	109	70%	107
Poker, vibratory, hand-held	CNP 170	1	113	70%	111
<b>SWL (Group)</b>					<b>114</b>
<b>Total SWL (General + Group B)</b>					<b>118</b>

## Appendix 4.3 Construction Plant Inventory during Non-restricted Hours (Unmitigated Scenario)

### 5b - Pile Caps and Piers at SMRC

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
<b>General</b>					
Generator, Silenced	CNP 102	4	100	100%	106
Air Compressor	CNP 002	4	102	100%	108
Crane	CNP 048	1	112	80%	111
Barge	CNP 061	1	104	30%	99
Water Pump, submersible (electric)	CNP 283	4	85	100%	91
Breaker, hand-held, mass <= 10kg	CNP 023	1	108	80%	107
Lorry	CNP 141	1	112	30%	107
Backhoe	CNP 081	1	112	80%	111
<b>SWL (General)</b>					<b>117</b>
<b>Group A<sup>[3]</sup></b>					
Bar bender and cutter (electric)	CNP 021	1	90	100%	90
Saw, circular, wood	CNP 201	1	108	70%	106
<b>SWL (Group)</b>					<b>107</b>
<b>Group B<sup>[3]</sup></b>					
Concrete lorry mixer	CNP 044	1	109	70%	107
Concrete mixer	CNP 045	1	96	70%	94
Concrete Pump	CNP 047	1	109	70%	107
Poker, vibratory, hand-held	CNP 170	2	113	70%	114
<b>SWL (Group)</b>					<b>116</b>
<b>Total SWL (General + Group B)</b>					<b>119</b>

### 6a - Bridge Deck

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Generator, Silenced	CNP 102	4	100	100%	106
Launching Gantry	[5]	1	100	80%	99
Crane	CNP 048	1	112	80%	111
Lorry	CNP 141	1	112	30%	107
<b>Total SWL</b>					<b>113</b>

### 6b - Bridge Deck at SMRC

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
<b>General</b>					
Generator, Silenced	CNP 102	4	100	100%	106
Launching Gantry	[5]	1	100	80%	99
Crane	CNP 048	1	112	80%	111
Barge	CNP 061	1	104	30%	99
Water Pump, submersible (electric)	CNP 283	4	85	100%	91
Lorry	CNP 141	1	112	30%	107
<b>SWL (General)</b>					<b>114</b>
<b>Group A<sup>[3]</sup></b>					
Bar bender and cutter (electric)	CNP 021	1	90	100%	90
Saw, circular, wood	CNP 201	1	108	70%	106
<b>SWL (Group)</b>					<b>107</b>
<b>Group B<sup>[3]</sup></b>					
Concrete lorry mixer	CNP 044	1	109	70%	107
Concrete mixer	CNP 045	1	96	70%	94
Concrete Pump	CNP 047	1	109	70%	107
Poker, vibratory, hand-held	CNP 170	2	113	70%	114
<b>SWL (Group)</b>					<b>116</b>
<b>Total SWL (General + Group B)</b>					<b>118</b>

## Appendix 4.3 Construction Plant Inventory during Non-restricted Hours (Unmitigated Scenario)

### 7a - Roadworks, Drainage & Utilities

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Excavator	CNP 081	1	112	80%	111
Generator, Silenced	CNP 102	2	100	100%	103
Mobile Crane	CNP 048	1	112	80%	111
Lorry	CNP 141	1	112	30%	107
				<b>Total SWL</b>	<b>115</b>

### 7b - Roadworks, Drainage & Utilities

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
<b>General</b>					
Generator, Silenced	CNP 102	2	100	100%	103
Air Compressor	CNP 002	2	102	100%	105
Crawler Crane, mobile (diesel)	[7]	1	102	50%	99
Water Pump, submersible (electric)	CNP 283	4	85	100%	91
Lorry	CNP 141	1	112	30%	107
Dump Truck	CNP 067	1	117	30%	112
				<b>SWL (General)</b>	<b>114</b>
<b>Group A<sup>[3]</sup></b>					
Cutter, circular, steel	OCUPME-12	1	112	70%	110
Piling, vibrating hammer	OCUPME-26	1	115	50%	112
				<b>SWL (Group)</b>	<b>114</b>
<b>Group B<sup>[3]</sup></b>					
Backhoe	CNP 081	4	112	80%	117
Roller, vibratory	CNP 186	2	108	90%	111
				<b>SWL (Group)</b>	<b>118</b>
				<b>Total SWL (General + Group B)</b>	<b>119</b>

### 7c - Roadworks, Drainage, E&M Works

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Excavator	CNP 081	1	112	80%	111
Generator, Silenced	CNP 102	2	100	100%	103
Mobile Crane	CNP 048	1	112	80%	111
Lorry	CNP 141	1	112	30%	107
				<b>Total SWL</b>	<b>115</b>

### 8 - Pavement

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
<b>Group A<sup>[3]</sup></b>					
Generator, Silenced	CNP 102	2	100	100%	103
Mobile Crane	CNP 048	1	112	80%	111
Lorry	CNP 141	1	112	30%	107
Paint line marker	CNP 161	1	90	80%	89
				<b>SWL (Group)</b>	<b>113</b>
<b>Group B<sup>[3]</sup></b>					
Asphalt Paver	CNP 004	1	109	70%	107
Roller, vibratory	CNP 186	1	108	90%	108
				<b>SWL (Group)</b>	<b>111</b>
				<b>Max. SWL</b>	<b>113</b>

## Appendix 4.3 Construction Plant Inventory during Non-restricted Hours (Unmitigated Scenario)

### 9 - Roadworks & Pavement

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
<b>Group A<sup>[3]</sup></b>					
Excavator	CNP 081	1	112	80%	111
Generator, Silenced	CNP 102	2	100	100%	103
Mobile Crane	CNP 048	1	112	80%	111
Lorry	CNP 141	1	112	30%	107
Paint line marker	CNP 161	1	90	80%	89
				<b>SWL (Group)</b>	<b>115</b>
<b>Group B</b>					
Asphalt Paver	CNP 004	1	109	70%	107
Roller, vibratory	CNP 186	1	108	90%	108
				<b>SWL (Group)</b>	<b>111</b>
				<b>Max. SWL</b>	<b>115</b>

### 10a - Modification of Existing Bridge Structure of Tsing Sha Highway for Connection

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Generator, Silenced	CNP 102	2	100	100%	103
Air Compressor	CNP 002	2	102	100%	105
Mobile crane	CNP 048	1	112	80%	111
Hydraulic breaker	CNP 028	2	122	50%	122
Breaker, hand-held, mass >10kg and < 20kg	CNP 024	1	108	50%	105
Dump truck with grab	CNP 067	1	117	30%	112
				<b>Total SWL</b>	<b>123</b>

### 10b - Modification of Existing Lion Bridge Structures for Slip Road Connection

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Generator, Silenced	CNP 102	2	100	100%	103
Air Compressor	CNP 002	2	102	100%	105
Mobile crane	CNP 048	1	112	80%	111
Hydraulic breaker	CNP 028	2	122	50%	122
Breaker, hand-held, mass >10kg and < 20kg	CNP 024	1	108	50%	105
Dump truck with grab	CNP 067	1	117	30%	112
				<b>Total SWL</b>	<b>123</b>

### 11a - Temporary Removal of Existing Noise Barrier / Enclosure

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Generator, Silenced	CNP 102	2	100	100%	103
Air Compressor	CNP 002	1	102	100%	102
Mobile crane	CNP 048	1	112	80%	111
Hydraulic breaker	CNP 028	1	122	50%	119
Breaker, hand-held, mass >10kg and < 20kg	CNP 024	1	108	50%	105
Lorry	CNP 141	1	112	30%	107
				<b>Total SWL</b>	<b>120</b>

### 11b - Temporary Removal of Existing Noise Barrier

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Generator, Silenced	CNP 102	2	100	100%	103
Air Compressor	CNP 002	1	102	100%	102
Mobile crane	CNP 048	1	112	80%	111
Hydraulic breaker	CNP 028	1	122	50%	119
Breaker, hand-held, mass >10kg and < 20kg	CNP 024	1	108	50%	105
Lorry	CNP 141	1	112	30%	107
				<b>Total SWL</b>	<b>120</b>

## Appendix 4.3 Construction Plant Inventory during Non-restricted Hours (Unmitigated Scenario)

### 12a - Re-provision of Noise Barrier / Enclosure

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Lorry	CNP 141	1	112	30%	107
Mobile Crane	CNP 048	1	112	80%	111
				<b>Total SWL</b>	<b>112</b>

### 12b - Re-provision of Noise Barrier

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Lorry	CNP 141	1	112	30%	107
Mobile Crane	CNP 048	1	112	80%	111
				<b>Total SWL</b>	<b>112</b>

### 13 - Noise Barriers

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Lorry	CNP 141	1	112	30%	107
Mobile Crane	CNP 048	1	112	80%	111
				<b>Total SWL</b>	<b>112</b>

### 14 - Noise Barriers / Enclosures

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Cherry Picker	[6]	1	107	50%	104
Lorry	CNP 141	2	112	30%	110
Mobile Crane	CNP 048	2	112	80%	114
Welding Set	[4]	2	78	100%	81
				<b>Total SWL</b>	<b>116</b>

### 15a - Modification of Existing Reserved T4 Connection Point A (CP-A)

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Generator, Silenced	CNP 102	2	100	100%	103
Air Compressor	CNP 002	2	102	100%	105
Mobile crane	CNP 048	1	112	80%	111
Hydraulic breaker	CNP 028	2	122	50%	122
Breaker, hand-held, mass >10kg and < 20kg	CNP 024	1	108	50%	105
Dump truck with grab	CNP 067	1	117	30%	112
				<b>Total SWL</b>	<b>123</b>

### 15b - Modification of Existing Reserved T4 Connection Point B (CP-B)

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Generator, Silenced	CNP 102	2	100	100%	103
Air Compressor	CNP 002	2	102	100%	105
Mobile crane	CNP 048	1	112	80%	111
Hydraulic breaker	CNP 028	2	122	50%	122
Breaker, hand-held, mass >10kg and < 20kg	CNP 024	1	108	50%	105
Dump truck with grab	CNP 067	1	117	30%	112
				<b>Total SWL</b>	<b>123</b>

### 15c - Modification of Existing Reserved T4 Connection Point C (CP-C)

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Generator, Silenced	CNP 102	2	100	100%	103
Air Compressor	CNP 002	2	102	100%	105
Mobile crane	CNP 048	1	112	80%	111
Hydraulic breaker	CNP 028	2	122	50%	122
Breaker, hand-held, mass >10kg and < 20kg	CNP 024	1	108	50%	105
Dump truck with grab	CNP 067	1	117	30%	112
				<b>Total SWL</b>	<b>123</b>

## Appendix 4.3 Construction Plant Inventory during Non-restricted Hours (Unmitigated Scenario)

### 16 - Temporary Works for ELS

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
<b>Group A<sup>[3]</sup></b>					
Generator, Silenced	CNP 102	3	100	100%	105
Air Compressor	CNP 002	3	102	100%	107
Piling, vibrating hammer	OCUPME-26	1	115	50%	112
Welding Set	[4]	1	78	100%	78
Crawler Crane, mobile (diesel)	[7]	1	102	50%	99
<b>SWL (Group)</b>					<b>114</b>
<b>Group B<sup>[3]</sup></b>					
Backhoe	CNP 081	1	112	80%	111
Generator, Silenced	CNP 102	3	100	100%	105
Air Compressor	CNP 002	3	102	100%	107
Welding Set	[4]	1	78	100%	78
Crawler Crane, mobile (diesel)	[7]	1	102	50%	99
Grout Mixer	OCUPME-21	1	90	80%	89
Grout Pump	OCUPME-22	1	105	80%	104
Drill rig, rotary type (diesel)	OCUPME-15	1	110	80%	109
<b>SWL (Group)</b>					<b>115</b>
<b>Max. SWL</b>					<b>115</b>

### 17a - Excavation

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Generator, Silenced	CNP 102	2	100	100%	103
Crawler Crane, mobile (diesel)	[7]	1	102	50%	99
Water Pump, submersible (electric)	CNP 283	2	85	100%	88
Dump Truck	CNP 067	1	117	30%	112
Backhoe	CNP 081	2	112	80%	114
Hydraulic breaker	CNP 028	2	122	50%	122
Welding Set	[4]	6	78	100%	86
<b>Total SWL</b>					<b>123</b>

### 17b - Excavation

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
<b>General</b>					
Generator, Silenced	CNP 102	6	100	100%	108
Air Compressor	CNP 002	3	102	100%	107
Crawler Crane, mobile (diesel)	[7]	2	102	50%	102
Water Pump, submersible (electric)	CNP 283	6	85	100%	93
Dump Truck	CNP 067	1	117	30%	112
Crane Lorry	OCUPME-44	1	105	30%	100
<b>SWL (General)</b>					<b>115</b>
<b>Group A<sup>[3]</sup></b>					
Welding Set	[4]	8	78	100%	87
Backhoe	CNP 081	6	112	80%	119
Hydraulic breaker	CNP 028	6	122	50%	127
<b>SWL (Group)</b>					<b>127</b>
<b>Group B<sup>[3]</sup></b>					
Grout Mixer	OCUPME-21	2	90	80%	92
Grout Pump	OCUPME-22	2	105	80%	107
<b>SWL (Group)</b>					<b>107</b>
<b>Total SWL (General + Group A)</b>					<b>128</b>



## Appendix 4.3 Construction Plant Inventory during Non-restricted Hours (Unmitigated Scenario)

### 18 - Structures for Depressed Roads

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
<b>Group A<sup>[3]</sup></b>					
Generator, Silenced	CNP 102	2	100	100%	103
Crawler Crane, mobile (diesel)	[7]	1	102	50%	99
Water Pump, submersible (electric)	CNP 283	2	85	100%	88
Lorry	CNP 023	1	112	30%	107
Bar bender and cutter (electric)	CNP 141	1	90	100%	90
				<b>SWL (General)</b>	<b>109</b>
<b>Group B<sup>[3]</sup></b>					
Generator, Silenced	CNP 102	2	100	100%	103
Water Pump, submersible (electric)	CNP 283	2	85	100%	88
Lorry	CNP 141	1	112	30%	107
Bar bender and cutter (electric)	CNP 021	1	90	100%	90
Saw, circular, wood	CNP 201	1	108	70%	106
				<b>SWL (Group)</b>	<b>111</b>
<b>Group C<sup>[3]</sup></b>					
Generator, Silenced	CNP 102	2	100	100%	103
Concrete lorry mixer	CNP 044	1	109	70%	107
Concrete Pump	CNP 047	1	109	70%	107
Poker, vibratory, hand-held	CNP 170	2	113	70%	114
				<b>SWL (Group)</b>	<b>116</b>
				<b>Max. SWL</b>	<b>116</b>

### 19 - Construction of Temporary Working Platform

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Generator, Silenced	CNP 102	4	100	100%	106
Air Compressor	CNP 002	4	102	100%	108
Crane	CNP 048	1	112	80%	111
Barge	CNP 061	1	104	30%	99
Water Pump, submersible (electric)	CNP 283	4	85	100%	91
Welding Set	[4]	4	78	100%	84
Backhoe	CNP 081	2	112	80%	114
Lorry	CNP 141	1	112	30%	107
Generator, Silenced	CNP 102	4	100	100%	106
Piling, vibrating hammer	OCUPME-26	1	115	50%	112
Hydraulic breaker	CNP 028	2	122	50%	122
				<b>Total SWL</b>	<b>124</b>

## Appendix 4.3 Construction Plant Inventory during Non-restricted Hours (Unmitigated Scenario)

### 20 - Associated Structures for Cycle Track and Footpath

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
<b>General</b>					
Generator, Silenced	CNP 102	1	100	100%	100
Crawler Crane, mobile (diesel)	[7]	1	102	50%	99
Water Pump, submersible (electric)	CNP 283	2	85	100%	88
Lorry	CNP 141	1	112	30%	107
<b>SWL (General)</b>					<b>108</b>
<b>Group A<sup>[3]</sup></b>					
Bar bender and cutter (electric)	CNP 021	1	90	100%	90
Saw, circular, wood	CNP 201	1	108	70%	106
<b>SWL (Group)</b>					<b>107</b>
<b>Group B<sup>[3]</sup></b>					
Concrete lorry mixer	CNP 044	1	109	70%	107
Concrete Pump	CNP 047	1	109	70%	107
Poker, vibratory, hand-held	CNP 170	2	113	70%	114
<b>SWL (Group)</b>					<b>116</b>
<b>Total SWL (General + Group B)</b>					<b>117</b>

### 21 - Cycle Track, Footpath and Landscape Works

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Excavator	CNP 081	2	112	80%	114
Generator, Silenced	CNP 102	2	100	100%	103
Mobile Crane	CNP 048	1	112	80%	111
Lorry	CNP 141	1	112	30%	107
<b>Total SWL</b>					<b>117</b>

### 22 - Structures for Underpass and Depressed Roads

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
<b>Group A<sup>[3]</sup></b>					
Generator, Silenced	CNP 102	2	100	100%	103
Crawler Crane, mobile (diesel)	[7]	1	102	50%	99
Water Pump, submersible (electric)	CNP 283	2	85	100%	88
Lorry	CNP 141	1	112	30%	107
Bar bender and cutter (electric)	CNP 021	1	90	100%	90
Saw, circular, wood	CNP 201	1	108	70%	106
<b>SWL (General)</b>					<b>111</b>
<b>Group B<sup>[3]</sup></b>					
Generator, Silenced	CNP 102	2	100	100%	103
Concrete lorry mixer	CNP 044	1	109	70%	107
Concrete Pump	CNP 047	1	109	70%	107
Poker, vibratory, hand-held	CNP 170	2	113	70%	114
<b>SWL (Group)</b>					<b>116</b>
<b>Max. SWL</b>					<b>116</b>

## Appendix 4.3 Construction Plant Inventory during Non-restricted Hours (Unmitigated Scenario)

### 23 - Associated Structures (Stairs & Lifts)

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
<b>General</b>					
Generator, Silenced	CNP 102	2	100	100%	103
Crane	CNP 048	1	112	80%	111
Lorry	CNP 141	1	112	30%	107
Welding Set	[4]	2	78	100%	81
<b>SWL (General)</b>					<b>113</b>
<b>Group A<sup>[3]</sup></b>					
Generator, Silenced	CNP 102	1	100	100%	100
Bar bender and cutter (electric)	CNP 021	1	90	100%	90
Saw, circular, wood	CNP 201	1	108	70%	106
<b>SWL (Group)</b>					<b>107</b>
<b>Group B<sup>[3]</sup></b>					
Concrete lorry mixer	CNP 044	1	109	70%	107
Concrete Pump	CNP 047	1	109	70%	107
Poker, vibratory, hand-held	CNP 170	2	113	70%	114
<b>SWL (Group)</b>					<b>116</b>
<b>Total SWL</b>					<b>118</b>

### 24 - Temporary Realignment

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Generator, Silenced	CNP 102	2	100	100%	103
Mobile Crane	CNP 048	1	112	80%	111
Hydraulic breaker	CNP 028	1	122	50%	119
Excavator	CNP 081	1	112	80%	111
Roller, vibratory	CNP 186	1	108	90%	108
Lorry	CNP 141	1	112	30%	107
Loader	CNP 081	1	112	70%	110
Asphalt Paver	CNP 004	1	109	70%	107
Paint line marker	CNP 161	1	90	80%	89
<b>Total SWL</b>					<b>121</b>

### 25 - Permanent Structures supporting Sha Tin Road

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
<b>General</b>					
Generator, Silenced	CNP 102	2	100	100%	103
Mobile Crane	CNP 048	1	112	80%	111
Lorry	CNP 141	1	112	30%	107
Breaker, hand-held, mass <= 10kg	CNP 023	2	108	80%	110
<b>SWL (General)</b>					<b>115</b>
<b>Group A<sup>[3]</sup></b>					
Bar bender and cutter (electric)	CNP 021	2	90	100%	93
Saw, circular, wood	CNP 201	1	108	70%	106
<b>SWL (Group)</b>					<b>107</b>
<b>Group B<sup>[3]</sup></b>					
Concrete lorry mixer	CNP 044	2	109	70%	110
Concrete mixer	CNP 045	1	96	70%	94
Concrete Pump	CNP 047	2	109	70%	110
Poker, vibratory, hand-held	CNP 170	2	113	70%	114
<b>SWL (Group)</b>					<b>117</b>
<b>Total SWL (General + Group B)</b>					<b>119</b>

## Appendix 4.3 Construction Plant Inventory during Non-restricted Hours (Unmitigated Scenario)

### 26 - Retaining Structures for At-grade Road

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
<b>Group A<sup>[3]</sup></b>					
Generator, Silenced	CNP 102	1	100	100%	100
Mobile Crane	CNP 048	1	112	80%	111
Water Pump, submersible (electric)	CNP 283	1	85	100%	85
Lorry	CNP 141	1	112	30%	107
Bar bender and cutter (electric)	CNP 021	1	90	100%	90
Saw, circular, wood	CNP 201	1	108	70%	106
				<b>SWL (Group)</b>	<b>114</b>
<b>Group B<sup>[3]</sup></b>					
Concrete lorry mixer	CNP 044	1	109	70%	107
Concrete Pump	CNP 047	1	109	70%	107
Poker, vibratory, hand-held	CNP 170	2	113	70%	114
				<b>SWL (Group)</b>	<b>116</b>
				<b>Max. SWL</b>	<b>116</b>

### 27 - Retaining Structures for At-grade Road on top of Underpass

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
<b>Group A<sup>[3]</sup></b>					
Generator, Silenced	CNP 102	1	100	100%	100
Mobile Crane	CNP 048	1	112	80%	111
Water Pump, submersible (electric)	CNP 283	1	85	100%	85
Lorry	CNP 141	1	112	30%	107
Bar bender and cutter (electric)	CNP 021	1	90	100%	90
Saw, circular, wood	CNP 201	1	108	70%	106
				<b>SWL (General)</b>	<b>114</b>
<b>Group B<sup>[3]</sup></b>					
Concrete lorry mixer	CNP 044	1	109	70%	107
Concrete Pump	CNP 047	1	109	70%	107
Poker, vibratory, hand-held	CNP 170	1	113	70%	111
				<b>SWL (Group)</b>	<b>114</b>
				<b>Max. SWL</b>	<b>114</b>

### 28 - Removal of Existing Noise Barrier along Sha Tin Road

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Generator, Silenced	CNP 102	3	100	100%	105
Air Compressor	CNP 002	2	102	100%	105
Mobile crane	CNP 048	1	112	80%	111
Hydraulic breaker	CNP 028	2	122	50%	122
Breaker, hand-held, mass >10kg and < 20kg	CNP 024	2	108	50%	108
Lorry	CNP 141	1	112	30%	107
				<b>Total SWL</b>	<b>123</b>

## Appendix 4.3 Construction Plant Inventory during Non-restricted Hours (Unmitigated Scenario)

### 29 - Frame

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Cherry Picker	[6]	1	107	50%	104
Lorry	CNP 141	2	112	30%	110
Mobile Crane	CNP 048	2	112	80%	114
Welding Set	[4]	2	78	100%	81
				<b>Total SWL</b>	<b>116</b>

### 30 - Panel

PME	TM Ref./ other Ref <sup>[1][2]</sup>	No. of Items	SWL/ Item dB(A)	On-time %	Sub-total SWL
Lorry	CNP 141	1	112	30%	107
Mobile Crane	CNP 048	1	112	80%	111
				<b>Total SWL</b>	<b>112</b>

#### Remarks

[1] Reference of CNP refers to Table 3 of EPD's Technical Memorandum on Noise from Construction Work

[2] Reference of OCUPME refer to EPD's guidance "Sound power levels of other commonly used PME"

([https://www.epd.gov.hk/epd/sites/default/files/epd/english/application\\_for\\_licences/guidance/files/OtherSWLe.pdf](https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)).

[3] Only one PME Group will be operating at the same time.

[4] Reference is made to the approved EIA Report of Road Works at West Kowloon (EIA-175/2009).

[5] Reference is made to the approved EIA Report of Route 9 between Tsing Yi and Cheung Sha Wan (EIA-025/1999).

[6] Reference is made to the approved EIA Report of Sha Tin Cavem Sewage Treatment Works (EIA-240/2016).

[7] Reference is made to the approved EIA Report of West Island Line (EIA-153/2008).