

Item	PME	TM or other reference	SWL, dB(A)	No. of PME	% on time	Total SWL, dB(A)	
1a	<b>Zone 2 (for area with less plant) [3]</b>						
	<b>Activity 4 - Basement and Underpass</b>						
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	60%	110	
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	1	60%	103	
	Concrete pump, stationary/ lorry mounted	CNP 047	109	1	60%	107	
	Poker, vibratory, hand-held (electric)	[1]	102	5	60%	107	
	Bar bender and cutter (electric)	CNP 021	90	1	60%	88	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	95	
	Concrete lorry mixer	CNP 044	109	1	60%	107	
	Total SWL, dB (A)					<b>114</b>	
	<b>Activity 5 - Superstructure</b>						
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	50%	109	
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	1	50%	102	
	Concrete pump, stationary/ lorry mounted	CNP 047	109	1	50%	106	
	Poker, vibratory, hand-held (electric)	[1]	102	5	50%	106	
	Bar bender and cutter (electric)	CNP 021	90	1	50%	87	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	2	100%	98	
	Concrete lorry mixer	CNP 044	109	1	50%	106	
	Drill/grinder, hand-held (electric)	CNP 065	98	2	30%	96	
	Water pump (electric)	CNP 281	88	1	30%	83	
	Excavator/ loader, wheeled/ tracked	CNP 081	112	1	30%	107	
	Fork Lift Truck	[2]	104	1	30%	99	
	Hoist, passenger/ material (electric)	CNP 122	95	1	30%	90	
	Total SWL, dB (A)					<b>114</b>	
	1b	<b>Zone 2 (for area with more plant) [3]</b>					
		<b>Activity 4 - Basement and Underpass</b>					
		Crane, tower (electric)	CNP 049	95	1	60%	93
		Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	60%	110
		Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	1	60%	103
Concrete pump, stationary/ lorry mounted		CNP 047	109	1	60%	107	
Poker, vibratory, hand-held (electric)		[1]	102	5	60%	107	
Bar bender and cutter (electric)		CNP 021	90	1	60%	88	
Generator, super silenced, 70 dB(A) at 7 m		CNP 103	95	1	100%	95	
Air compressor, air flow > 30m3/min		CNP 003	104	1	100%	104	
Concrete lorry mixer		CNP 044	109	1	60%	107	
Total SWL, dB (A)					<b>115</b>		
<b>Activity 5 - Superstructure</b>							
Crane, tower (electric)		CNP 049	95	1	50%	92	
Crane, mobile/ barge mounted (diesel)		CNP 048	112	1	50%	109	
Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne		[1]	105	1	50%	102	
Concrete pump, stationary/ lorry mounted		CNP 047	109	1	50%	106	
Poker, vibratory, hand-held (electric)		[1]	102	5	50%	106	
Bar bender and cutter (electric)		CNP 021	90	1	50%	87	
Generator, super silenced, 70 dB(A) at 7 m		CNP 103	95	2	100%	98	
Air compressor, air flow > 30m3/min		CNP 003	104	1	100%	104	
Concrete lorry mixer		CNP 044	109	1	50%	106	
Drill/grinder, hand-held (electric)		CNP 065	98	3	30%	98	
Water pump (electric)		CNP 281	88	3	30%	88	
Excavator/ loader, wheeled/ tracked		CNP 081	112	3	30%	112	
Fork Lift Truck		[2]	104	3	30%	104	
Hoist, passenger/ material (electric)		CNP 122	95	3	30%	95	
Total SWL, dB (A)					<b>116</b>		
2		<b>Zone 3</b>					
	<b>Activity 5 - Superstructure</b>						
	Crane, tower (electric)	CNP 049	95	1	50%	92	
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	2	50%	112	
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	2	50%	105	
	Concrete pump, stationary/ lorry mounted	CNP 047	109	2	50%	109	
	Poker, vibratory, hand-held (electric)	[1]	102	10	50%	109	
	Bar bender and cutter (electric)	CNP 021	90	2	50%	90	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	3	100%	100	
	Air compressor, air flow > 30m3/min	CNP 003	104	1	100%	104	
	Concrete lorry mixer	CNP 044	109	2	50%	109	
	Drill/grinder, hand-held (electric)	CNP 065	98	6	30%	101	
	Water pump (electric)	CNP 281	88	4	30%	89	
	Excavator/ loader, wheeled/ tracked	CNP 081	112	4	30%	113	
	Fork Lift Truck	[2]	104	4	30%	105	
	Hoist, passenger/ material (electric)	CNP 122	95	4	30%	96	
	Total SWL, dB (A)					<b>118</b>	
3	<b>Zone 4</b>						
	<b>Activity 2 - Bored Piling</b>						
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	6	60%	118	
	Excavator/ loader, wheeled/ tracked	CNP 081	112	6	30%	115	
	Piling Rig	[2]	112	6	60%	118	
	Drill Rig	[1]	110	6	60%	116	
	Excavator/ loader, wheeled/ tracked	CNP 081	112	6	60%	118	
	Piling, large diameter bored, grab and chisel	CNP 164	115	6	60%	121	
	Piling, large diameter bored, reverse circulation drill	CNP 166	100	6	60%	106	
	Piling, large diameter bored, oscillator	CNP 165	115	6	60%	121	
	Air compressor, air flow > 30m3/min	CNP 003	104	6	100%	112	
	Grout Mixer	[1]	90	6	60%	96	
	Grout Pump	[1]	105	6	60%	111	
	Bar bender and cutter (electric)	CNP 021	90	6	60%	96	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	6	100%	103	
	Dump truck	CNP 067	117	3	30%	117	
	Concrete lorry mixer	CNP 044	109	3	60%	112	
	Welding Set	[2]	78	6	60%	84	
	Total SWL, dB (A)					<b>127</b>	
	<b>Activity 3 - Excavation</b>						
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	6	60%	118	
	Air compressor, air flow > 30m3/min	CNP 003	104	6	100%	112	
	Excavator/ loader, wheeled/ tracked	CNP 081	112	6	60%	118	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	6	100%	103	
	Dump truck	CNP 067	117	9	30%	121	
	Total SWL, dB (A)					<b>124</b>	

Item	PME	TM or other reference	SWL, dB(A)	No. of PME	% on time	Total SWL, dB(A)
<b>Activity 4 - Basement</b>						
	Crane, tower (electric)	CNP 049	95	4	60%	99
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	8	60%	119
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	8	60%	112
	Concrete pump, stationary/ lorry mounted	CNP 047	109	8	60%	116
	Poker, vibratory, hand-held (electric)	[1]	102	40	60%	116
	Bar bender and cutter (electric)	CNP 021	90	8	60%	97
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	8	100%	104
	Air compressor, air flow > 30m3/min	CNP 003	104	4	100%	110
	Concrete lorry mixer	CNP 044	109	8	60%	116
	Total SWL, dB (A)					<b>123</b>
<b>Activity 5 - Superstructure</b>						
	Crane, tower (electric)	CNP 049	95	4	50%	98
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	8	50%	118
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	8	50%	111
	Concrete pump, stationary/ lorry mounted	CNP 047	109	8	50%	115
	Poker, vibratory, hand-held (electric)	[1]	102	40	50%	115
	Bar bender and cutter (electric)	CNP 021	90	8	50%	96
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	9	100%	105
	Air compressor, air flow > 30m3/min	CNP 003	104	4	100%	110
	Concrete lorry mixer	CNP 044	109	8	50%	115
	Drill/grinder, hand-held (electric)	CNP 065	98	20	30%	106
	Water pump (electric)	CNP 281	88	14	30%	94
	Excavator/ loader, wheeled/ tracked	CNP 081	112	14	30%	118
	Fork Lift Truck	[2]	104	14	30%	110
	Hoist, passenger/ material (electric)	CNP 122	95	14	30%	101
	Total SWL, dB (A)					<b>124</b>
4	<b>Zone 5</b>					
<b>Activity 1 - Site Formation</b>						
	Breaker, excavator mounted (hydraulic)	CNP 028	122	2	60%	123
	Dump truck	CNP 067	117	2	60%	118
	Total SWL, dB (A)					<b>124</b>
5	<b>Park Construction - Zone B</b>					
	Dump truck	CNP 067	117	1	60%	115
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	60%	110
	Excavator/ loader, wheeled/ tracked	CNP 081	112	1	60%	110
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	95
	Lorry	CNP 141	112	1	60%	110
	Total SWL, dB (A)					<b>118</b>
6	<b>Park Construction - Zone C</b>					
	Dump truck	CNP 067	117	4	60%	121
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	4	60%	116
	Excavator/ loader, wheeled/ tracked	CNP 081	112	4	60%	116
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	4	100%	101
	Lorry	CNP 141	112	4	60%	116
	Total SWL, dB (A)					<b>124</b>
7	<b>Flyover</b>					
<b>Group 1</b>						
	Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	1	100%	102
	Breaker, hand-held, mass > 35kg	CNP 026	114	2	30%	112
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	100%	112
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	1	70%	103
	Bar bender and cutter (electric)	CNP 021	90	1	80%	89
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	95
	Total SWL, dB (A)					<b>115</b>
<b>Group 2</b>						
	Breaker, hand-held, mass > 35kg	CNP 026	114	2	30%	112
	Breaker, hand-held, mass > 10kg and < 20kg	CNP 024	108	1	30%	103
	Concrete lorry mixer	CNP 044	109	1	50%	106
	Poker, vibratory, hand-held (electric)	[1]	102	2	50%	102
	Grout pump	[1]	105	1	20%	98
	Saw, circular, wood	CNP 201	108	1	80%	107
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	95
	Total SWL, dB (A)					<b>115</b>
	Maximum SWL, dB (A)					<b>115</b>
8	<b>East Concrete Batching Plant (Demolition)</b>					
	Tracked crane (30kW)	BS 5228 Table D.7/105	108	2	60%	109
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	2	60%	96
	Welding set	[2]	78	2	60%	79
	Total SWL, dB (A)					<b>109</b>
9	<b>West Concrete Batching Plant (Operation)</b>					
	Excavator/ loader, wheeled/ tracked	CNP 081	112	2	60%	113
	Concrete mixer (electric)	CNP 045	96	2	60%	97
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	4	60%	99
	Concrete mixer (petrol)	CNP 046	96	6	60%	102
	Concrete lorry mixer	CNP 044	109	4	60%	113
	Batching plant	CNP 022	108	2	60%	109
	Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	4	60%	106
	Tipper Lorry	BS 5228 Table D.3/112	113	2	30%	111
	Total SWL, dB (A)					<b>118</b>

Item	PME	TM or other reference	SWL, dB(A)	No. of PME	% on time	Total SWL, dB(A)	
10/11	<b>Pier Construction (Optional)</b>						
	<b>Group 1</b>						
	Piling, large diameter bored, reverse circulation drill	CNP 166	100	1	100%	100	
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	60%	110	
	Tug boat	CNP 221	110	1	60%	108	
	Total SWL, dB (A)						<b>112</b>
	<b>Group 2</b>						
	Concrete pump, stationary/ lorry mounted	CNP 047	109	2	100%	112	
	Concrete lorry mixer	CNP 044	109	4	60%	113	
	Water pump (electric)	CNP 281	88	4	100%	94	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	2	100%	98	
	Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	105	
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	60%	110	
	Tug boat	CNP 221	110	1	60%	108	
	Total SWL, dB (A)						<b>117</b>
	<b>Group 3</b>						
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	60%	110	
	Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	105	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	2	100%	98	
	Concrete pump, stationary/ lorry mounted	CNP 047	109	2	100%	112	
	Concrete lorry mixer	CNP 044	109	2	60%	110	
	Poker, vibratory, hand-held (electric)	[1]	102	4	80%	107	
	Tug boat	CNP 221	110	1	60%	108	
	Total SWL, dB (A)						<b>117</b>
	Maximum SWL, dB (A)						<b>117</b>
	12	<b>Viewing Platform (Optional)</b>					
		<b>Group 1</b>					
		Piling, large diameter bored, reverse circulation drill	CNP 166	100	1	100%	100
		Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	80%	111
		Tug boat	CNP 221	110	1	60%	108
Total SWL, dB (A)						<b>113</b>	
<b>Group 2</b>							
Crane, mobile/ barge mounted (diesel)		CNP 048	112	2	100%	115	
Total SWL, dB (A)						<b>115</b>	
Maximum SWL, dB (A)						<b>115</b>	

Note: [1] Details extracted from EPD website: [http://www.epd.gov.hk/epd/english/application\\_for\\_licences/guidance/files/OtherSWLe.pdf](http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)  
 [2] SWL of Welding Plant and Piling Rig are referred to the Appendix 5.1 of approved EIA Report of Hong Kong Section of Guangzhou - Shenzhen - Hong Kong Express Rail Link (AEIAR-143/2009)  
 [3] More plant have been assumed at the zones near the NSR for conservative approach.



**Unmitigated Construction Noise Impact**

**NSR: HT3 (The Harbourside Tower 3)**

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB	Distance (m)	Distance Correction, dB	Facade Correction,	Calculated SPL,	2017												2018												
						4	5	6	7	8	9	10	11	12	1	2	3													
<b>1) Zone 2</b>																														
Activity 4 - Basement and Underpass																														
Zone 2.1	115	113	-49	3	69	69	69	69	69																					
Zone 2.2	115	170	-53	3	65	65	65	65	65																					
Zone 2.3	114	303	-58	3	60	60	60	60	60																					
Zone 2.4	114	447	-61	3	56	56	56	56	56																					
Zone 2.5	114	457	-61	3	56	56	56	56	56																					
Zone 2.6	114	342	-59	3	58	58	58	58	58																					
Zone 2.7	115	229	-55	3	62	62	62	62	62																					
Zone 2.8	115	209	-54	3	63	63	63	63	63																					
Activity 5 - Superstructure																														
Zone 2.1	116	111	-49	3	70	70	70	70	70	70	70	70	70	70	70	70	70													
Zone 2.2	116	169	-53	3	67	67	67	67	67	67	67	67	67	67	67	67	67													
Zone 2.3	114	302	-58	3	60	60	60	60	60	60	60	60	60	60	60	60	60													
Zone 2.4	114	446	-61	3	56	56	56	56	56	56	56	56	56	56	56	56	56													
Zone 2.5	114	456	-61	3	56	56	56	56	56	56	56	56	56	56	56	56	56													
Zone 2.6	114	342	-59	3	59	59	59	59	59	59	59	59	59	59	59	59	59													
Zone 2.7	116	228	-55	3	64	64	64	64	64	64	64	64	64	64	64	64	64													
Zone 2.8	116	208	-54	3	65	65	65	65	65	65	65	65	65	65	65	65	65													
<b>2) Zone 3</b>																														
Activity 5 - Superstructure	118	179	-53	3	68	68	68	68	68	68	68	68	68	68	68	68	68													
<b>3) Zone 4</b>																														
Activity 2 - Bored Piling	127	564	-63	3	67	67	67																							
Activity 3 - Excavation	124	564	-63	3	64	64	64	64	64	64	64																			
Activity 4 - Basement	123	564	-63	3	63	63	63	63	63	63	63																			
Activity 5 - Superstructure	124	577	-63	3	64									64	64	64	64													
<b>4) Zone 5</b>																														
Activity 1 - Site Formation	124	321	-58	3	69								69	69	69	69	69													
<b>5) Park Construction - Zone B</b>																														
Activity 1 - Site Formation	118	283	-57	3	64	64	64	64	64	64	64																			
<b>6) Park Construction - Zone C</b>																														
Activity 1 - Site Formation	124	337	-59	3	68								68	68	68	68	68													
<b>7) Flyover</b>																														
Activity 1 - Site Formation	115	198	-54	3	65	65	65	65																						
<b>8) East Concrete Batching Plant (Demolition)</b>																														
Activity 1 - Site Formation	109	554	-63	3	49	49	49	49																						
<b>9) West Concrete Batching Plant (Operation)</b>																														
Activity 1 - Site Formation	118	419	-60	3	61	61	61	61	61	61	61	61	61	61	61	61	61													
<b>10) West Pier (Optional)</b>																														
Activity 1 - Site Formation	117	756	-66	3	55	55	55	55	55	55	55	55	55	55	55	55	55													
<b>11) South Pier (Optional)</b>																														
Activity 1 - Site Formation	117	327	-58	3	62	62	62	62	62	62	62	62	62	62	62	62	62													
<b>12) Viewing Platform (Optional)</b>																														
Activity 1 - Site Formation	115	412	-60	3	58	58	58	58	58	58	58	58	58	58	58	58	58													
<b>Predicted Noise Level of this Project, dB (A)</b>															2017	2018														
															78	78	78	78	76	76	77	77	77	77	77	77	76	76	78	77

Note: Bold figure in shaded box denotes exceedance of relevant construction noise criteria  
Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.



**Unmitigated Construction Noise Impact**

**NSR: RD (Residential Development next to Austin Station)**

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB	Distance (m)	Distance Correction, dB	Facade Correction, dB	Calculated SPL, dB	2017												2018													
						4	5	6	7	8	9	10	11	12	1	2	3														
<b>1) Zone 2</b>																															
Activity 4 - Basement and Underpass																															
Zone 2.1	115	622	-64	3	54	54	54	54	54																						
Zone 2.2	115	455	-61	3	56	56	56	56	56																						
Zone 2.3	114	304	-58	3	60	60	60	60	60																						
Zone 2.4	114	159	-52	3	65	65	65	65	65																						
Zone 2.5	114	225	-55	3	62	62	62	62	62																						
Zone 2.6	114	331	-58	3	59	59	59	59	59																						
Zone 2.7	115	492	-62	3	56	56	56	56	56																						
Zone 2.8	115	664	-64	3	53	53	53	53	53																						
Activity 5 - Superstructure																															
Zone 2.1	114	621	-64	3	54	54	54	54	54	54	54	54	54	54	54	54	54														
Zone 2.2	114	454	-61	3	56	56	56	56	56	56	56	56	56	56	56	56	56														
Zone 2.3	116	303	-58	3	62	62	62	62	62	62	62	62	62	62	62	62	62														
Zone 2.4	116	158	-52	3	67	67	67	67	67	67	67	67	67	67	67	67	67														
Zone 2.5	116	224	-55	3	64	64	64	64	64	64	64	64	64	64	64	64	64														
Zone 2.6	116	330	-58	3	61	61	61	61	61	61	61	61	61	61	61	61	61														
Zone 2.7	114	492	-62	3	56	56	56	56	56	56	56	56	56	56	56	56	56														
Zone 2.8	114	664	-64	3	53	53	53	53	53	53	53	53	53	53	53	53	53														
<b>2) Zone 3</b>																															
Activity 5 - Superstructure																															
Zone 3	118	821	-66	3	55	55	55	55	55	55	55	55	55	55	55	55	55														
<b>3) Zone 4</b>																															
Activity 2 - Bored Piling																															
Zone 4	127	1206	-70	3	61	61	61																								
Activity 3 - Excavation																															
Zone 4	124	1206	-70	3	58	58	58	58	58	58																					
Activity 4 - Basement																															
Zone 4	123	1206	-70	3	57	57	57	57	57	57	57																				
Activity 5 - Superstructure																															
Zone 4	124	1217	-70	3	58									58	58	58	58														
<b>4) Zone 5</b>																															
Activity 1 - Site Formation																															
Zone 5	124	981	-68	3	59								59	59	59	59	59														
<b>5) Park Construction - Zone B</b>																															
Zone B	118	251	-56	3	65	65	65	65	65	65	65																				
<b>6) Park Construction - Zone C</b>																															
Zone C	124	966	-68	3	59								59	59	59	59	59														
<b>7) Flyover</b>																															
Flyover	115	837	-66	3	52	52	52	52																							
<b>8) East Concrete Batching Plant (Demolition)</b>																															
East Concrete Batching Plant (Demolition)	109	165	-52	3	60	60	60	60																							
<b>9) West Concrete Batching Plant (Operation)</b>																															
West Concrete Batching Plant (Operation)	118	1056	-68	3	53	53	53	53	53	53	53	53	53	53	53	53	53														
<b>10) West Pier (Optional)</b>																															
West Pier (Optional)	117	1391	-71	3	50	50	50	50	50	50	50	50	50	50	50	50	50														
<b>11) South Pier (Optional)</b>																															
South Pier (Optional)	117	771	-66	3	55	55	55	55	55	55	55	55	55	55	55	55	55														
<b>12) Viewing Platform (Optional)</b>																															
Viewing Platform (Optional)	115	447	-61	3	57	57	57	57	57	57	57	57	57	57	57	57	57														
<b>Predicted Noise Level of this Project, dB (A)</b>															74	74	74	74	74	72	72	72	72	72	72	72	72	72	72	72	72
															Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
															72	74	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72

Note: Bold figure in shaded box denotes exceedance of relevant construction noise criteria  
Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

**Unmitigated Construction Noise Impact**

**NSR: WOB (Wai On Building)**

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB	Distance (m)	Distance Correction, dB	Facade Correction, dB	Calculated SPL, dB	2017												2018										
						4	5	6	7	8	9	10	11	12	1	2	3											
<b>1) Zone 2</b>																												
Activity 4 - Basement and Underpass																												
Zone 2.1	115	695	-65	3	53	53	53	53	53																			
Zone 2.2	115	525	-62	3	55	55	55	55	55																			
Zone 2.3	114	370	-59	3	58	58	58	58	58																			
Zone 2.4	114	225	-55	3	62	62	62	62	62																			
Zone 2.5	114	260	-56	3	61	61	61	61	61																			
Zone 2.6	114	405	-60	3	57	57	57	57	57																			
Zone 2.7	115	570	-63	3	54	54	54	54	54																			
Zone 2.8	115	750	-66	3	52	52	52	52	52																			
Activity 5 - Superstructure																												
Zone 2.1	114	695	-65	3	53	53	53	53	53	53	53	53	53	53	53	53	53											
Zone 2.2	114	525	-62	3	55	55	55	55	55	55	55	55	55	55	55	55	55											
Zone 2.3	116	370	-59	3	60	60	60	60	60	60	60	60	60	60	60	60	60											
Zone 2.4	116	225	-55	3	64	64	64	64	64	64	64	64	64	64	64	64	64											
Zone 2.5	116	260	-56	3	63	63	63	63	63	63	63	63	63	63	63	63	63											
Zone 2.6	116	405	-60	3	59	59	59	59	59	59	59	59	59	59	59	59	59											
Zone 2.7	114	570	-63	3	54	54	54	54	54	54	54	54	54	54	54	54	54											
Zone 2.8	114	750	-66	3	52	52	52	52	52	52	52	52	52	52	52	52	52											
<b>2) Zone 3</b>																												
Activity 5 - Superstructure																												
Activity 5 - Superstructure	118	915	-67	3	54	54	54	54	54	54	54	54	54	54	54	54	54											
<b>3) Zone 4</b>																												
Activity 2 - Bored Piling																												
Activity 2 - Bored Piling	127	1296	-70	3	60	60	60																					
Activity 3 - Excavation																												
Activity 3 - Excavation	124	1296	-70	3	57	57	57	57	57	57																		
Activity 4 - Basement																												
Activity 4 - Basement	123	1296	-70	3	56	56	56	56	56	56	56																	
Activity 5 - Superstructure																												
Activity 5 - Superstructure	124	1302	-70	3	57								57	57	57	57	57											
<b>4) Zone 5</b>																												
Activity 1 - Site Formation																												
Activity 1 - Site Formation	124	1040	-68	3	59							59	59	59	59	59	59											
<b>5) Park Construction - Zone B</b>																												
Activity 5 - Superstructure	118	282	-57	3	64	64	64	64	64	64	64																	
<b>6) Park Construction - Zone C</b>																												
Activity 5 - Superstructure	124	1054	-68	3	58							58	58	58	58	58	58											
<b>7) Flyover</b>																												
Activity 5 - Superstructure	115	922	-67	3	51	51	51	51																				
<b>8) East Concrete Batching Plant (Demolition)</b>																												
Activity 5 - Superstructure	109	215	-55	3	57	57	57	57																				
<b>9) West Concrete Batching Plant (Operation)</b>																												
Activity 5 - Superstructure	118	1140	-69	3	52	52	52	52	52	52	52	52	52	52	52	52	52											
<b>10) West Pier (Optional)</b>																												
Activity 5 - Superstructure	117	1475	-71	3	49	49	49	49	49	49	49	49	49	49	49	49	49											
<b>11) South Pier (Optional)</b>																												
Activity 5 - Superstructure	117	845	-67	3	54	54	54	54	54	54	54	54	54	54	54	54	54											
<b>12) Viewing Platform (Optional)</b>																												
Activity 5 - Superstructure	115	508	-62	3	56	56	56	56	56	56	56	56	56	56	56	56	56											
<b>Predicted Noise Level of this Project, dB (A)</b>															73	73	72	72	71	71	70	70	70	70	70	70	70	70
															70	73	70	70										

Note: Bold figure in shaded box denotes exceedance of relevant construction noise criteria

Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.







**Unmitigated Construction Noise Impact**

**NSR: LCS (Lai Chack Middle School)**

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB	Distance (m)	Distance Correction, dB	Facade Correction,	Calculated SPL,	2017												2018														
						4	5	6	7	8	9	10	11	12	1	2	3															
<b>1) Zone 2</b>																																
Activity 4 - Basement and Underpass																																
Zone 2.1	115	685	-65	3	53	53	53	53	53																							
Zone 2.2	115	505	-62	3	56	56	56	56	56																							
Zone 2.3	114	355	-59	3	58	58	58	58	58																							
Zone 2.4	114	205	-54	3	63	63	63	63	63																							
Zone 2.5	114	165	-52	3	65	65	65	65	65																							
Zone 2.6	114	350	-59	3	58	58	58	58	58																							
Zone 2.7	115	515	-62	3	55	55	55	55	55																							
Zone 2.8	115	720	-65	3	52	52	52	52	52																							
Activity 5 - Superstructure																																
Zone 2.1	114	685	-65	3	53	53	53	53	53	53	53	53	53	53	53	53	53															
Zone 2.2	114	505	-62	3	55	55	55	55	55	55	55	55	55	55	55	55	55															
Zone 2.3	116	355	-59	3	60	60	60	60	60	60	60	60	60	60	60	60	60															
Zone 2.4	116	205	-54	3	65	65	65	65	65	65	65	65	65	65	65	65	65															
Zone 2.5	116	165	-52	3	67	67	67	67	67	67	67	67	67	67	67	67	67															
Zone 2.6	116	350	-59	3	60	60	60	60	60	60	60	60	60	60	60	60	60															
Zone 2.7	114	515	-62	3	55	55	55	55	55	55	55	55	55	55	55	55	55															
Zone 2.8	114	720	-65	3	52	52	52	52	52	52	52	52	52	52	52	52	52															
<b>2) Zone 3</b>																																
Activity 5 - Superstructure	118	905	-67	3	54	54	54	54	54	54	54	54	54	54	54	54	54															
<b>3) Zone 4</b>																																
Activity 2 - Bored Piling	127	1279	-70	3	60	60	60																									
Activity 3 - Excavation	124	1279	-70	3	57	57	57	57	57	57																						
Activity 4 - Basement	123	1279	-70	3	56	56	56	56	56	56	56																					
Activity 5 - Superstructure	124	1292	-70	3	57								57	57	57	57	57															
<b>4) Zone 5</b>																																
Activity 1 - Site Formation	124	1022	-68	3	59							59	59	59	59	59	59															
<b>5) Park Construction - Zone B</b>																																
Activity 1 - Site Formation	118	150	-51	3	69	69	69	69	69	69	69																					
<b>6) Park Construction - Zone C</b>																																
Activity 1 - Site Formation	124	1079	-69	3	58							58	58	58	58	58	58															
<b>7) Flyover</b>																																
Activity 1 - Site Formation	115	927	-67	3	51	51	51	51																								
<b>8) East Concrete Batching Plant (Demolition)</b>																																
Activity 1 - Site Formation	109	160	-52	3	60	60	60	60																								
<b>9) West Concrete Batching Plant (Operation)</b>																																
Activity 1 - Site Formation	118	1150	-69	3	52	52	52	52	52	52	52	52	52	52	52	52	52															
<b>10) West Pier (Optional)</b>																																
Activity 1 - Site Formation	117	1455	-71	3	49	49	49	49	49	49	49	49	49	49	49	49	49															
<b>11) South Pier (Optional)</b>																																
Activity 1 - Site Formation	117	780	-66	3	55	55	55	55	55	55	55	55	55	55	55	55	55															
<b>12) Viewing Platform (Optional)</b>																																
Activity 1 - Site Formation	115	398	-60	3	58	58	58	58	58	58	58	58	58	58	58	58	58															
<b>Predicted Noise Level of this Project, dB (A)</b>																75	75	75	75	73	73	72	72	72	72	72	72	72	72	72	72	72
																<b>2017</b>		<b>2018</b>														
																Min	Max	Min	Max													
																72	75	72	72													

Note: Bold figure in shaded box denotes exceedance of relevant construction noise criteria  
Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.





**Unmitigated Construction Noise Impact**

**NSR: CUL (The Cullirian I)**

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB	Distance (m)	Distance Correction, dB	Facade Correction,	Calculated SPL,	2017												2018										
						4	5	6	7	8	9	10	11	12	1	2	3											
<b>1) Zone 2</b>																												
Activity 4 - Basement and Underpass																												
Zone 2.1	115	829	-66	3	51	51	51	51	51																			
Zone 2.2	115	660	-64	3	53	53	53	53	53																			
Zone 2.3	114	500	-62	3	55	55	55	55	55																			
Zone 2.4	114	350	-59	3	58	58	58	58	58																			
Zone 2.5	114	345	-59	3	58	58	58	58	58																			
Zone 2.6	114	501	-62	3	55	55	55	55	55																			
Zone 2.7	115	673	-65	3	53	53	53	53	53																			
Zone 2.8	115	866	-67	3	51	51	51	51	51																			
Activity 5 - Superstructure																												
Zone 2.1	114	829	-66	3	51	51	51	51	51	51	51	51	51	51	51	51	51											
Zone 2.2	114	659	-64	3	53	53	53	53	53	53	53	53	53	53	53	53	53											
Zone 2.3	116	499	-62	3	57	57	57	57	57	57	57	57	57	57	57	57	57											
Zone 2.4	116	350	-59	3	60	60	60	60	60	60	60	60	60	60	60	60	60											
Zone 2.5	116	345	-59	3	60	60	60	60	60	60	60	60	60	60	60	60	60											
Zone 2.6	116	501	-62	3	57	57	57	57	57	57	57	57	57	57	57	57	57											
Zone 2.7	114	672	-65	3	53	53	53	53	53	53	53	53	53	53	53	53	53											
Zone 2.8	114	866	-67	3	51	51	51	51	51	51	51	51	51	51	51	51	51											
<b>2) Zone 3</b>																												
Activity 5 - Superstructure	118	377	-60	3	62	62	62	62	62	62	62	62	62	62	62	62	62											
<b>3) Zone 4</b>																												
Activity 2 - Bored Piling	127	714	-65	3	65	65	65																					
Activity 3 - Excavation	124	714	-65	3	62	62	62	62	62	62	62																	
Activity 4 - Basement	123	714	-65	3	61	61	61	61	61	61	61																	
Activity 5 - Superstructure	124	727	-65	3	62								62	62	62	62	62											
<b>4) Zone 5</b>																												
Activity 1 - Site Formation	124	471	-61	3	66							66	66	66	66	66	66											
<b>5) Park Construction - Zone B</b>																												
Activity 1 - Site Formation	118	433	-61	3	60	60	60	60	60	60	60																	
<b>6) Park Construction - Zone C</b>																												
Activity 1 - Site Formation	124	487	-62	3	65							65	65	65	65	65	65											
<b>7) Flyover</b>																												
Activity 1 - Site Formation	115	318	-58	3	60	60	60	60																				
<b>8) East Concrete Batching Plant (Demolition)</b>																												
Activity 1 - Site Formation	109	704	-65	3	47	47	47																					
<b>9) West Concrete Batching Plant (Operation)</b>																												
Activity 1 - Site Formation	118	452	-61	3	60	60	60	60	60	60	60	60	60	60	60	60	60											
<b>10) West Pier (Optional)</b>																												
Activity 1 - Site Formation	117	826	-66	3	54	54	54	54	54	54	54	54	54	54	54	54	54											
<b>11) South Pier (Optional)</b>																												
Activity 1 - Site Formation	117	477	-62	3	59	59	59	59	59	59	59	59	59	59	59	59	59											
<b>12) Viewing Platform (Optional)</b>																												
Activity 1 - Site Formation	115	562	-63	3	55	55	55	55	55	55	55	55	55	55	55	55	55											
<b>Predicted Noise Level of this Project, dB (A)</b>															73	73	72	72	71	71	72	72	72	72	72	72	72	72
															<b>2017</b>		<b>2018</b>											
															Min	Max	Min	Max										
															71	73	72	72										

Note: Bold figure in shaded box denotes exceedance of relevant construction noise criteria  
Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.