

Item	PME	TM or other reference	SWL, dB(A)	No. of PME	% on time	Total SWL, dB(A)	
1	Zone 2						
	Activity 5 - Superstructure						
	Group 1						
	Crane, tower (electric)	CNP 049	95	4	50%	98	
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	6	50%	117	
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	6	50%	110	
	Concrete pump, stationary/ lorry mounted	CNP 047	109	6	50%	114	
	Poker, vibratory, hand-held (electric)	[1]	102	30	50%	114	
	Bar bender and cutter (electric)	CNP 021	90	6	50%	95	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	6	100%	103	
	Air compressor, air flow > 30m3/min	CNP 003	104	4	100%	110	
	Concrete lorry mixer	CNP 044	109	4	50%	112	
	Total SWL, dB (A)					121	
	Group 2						
	Drill/grinder, hand-held (electric)	CNP 065	98	15	30%	105	
	Water pump (electric)	CNP 281	88	11	30%	93	
	Excavator/ loader, wheeled/ tracked	CNP 081	112	11	30%	117	
	Fork Lift Truck	[2]	104	11	30%	109	
	Hoist, passenger/ material (electric)	CNP 122	95	11	30%	100	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	95	
	Total SWL, dB (A)					118	
	Maximum SWL, dB (A) of Activity 5					121	
	2	Zone 4					
		Activity 5 - Superstructure					
		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)					124		
3		Zone 5					
		Activity 1 - Site Formation					
		Breaker, excavator mounted (hydraulic)	CNP 028	122	2	60%	123
		Dump truck	CNP 067	117	2	60%	118
		Total SWL, dB (A)					124
		Activity 2 - Foundation Works					
		Crane, mobile/ barge mounted (diesel)	CNP 048	112	2	60%	113
		Excavator/ loader, wheeled/ tracked	CNP 081	112	2	30%	110
		Piling Rig	[2]	112	2	60%	113
		Drill Rig	[1]	110	2	60%	111
	Excavator/ loader, wheeled/ tracked	CNP 081	112	2	60%	113	
	Piling, large diameter bored, grab and chisel	CNP 164	115	2	60%	116	
	Piling, large diameter bored, reverse circulation drill	CNP 166	100	2	60%	101	
	Piling, large diameter bored, oscillator	CNP 165	115	2	60%	116	
	Air compressor, air flow > 30m3/min	CNP 003	104	2	100%	107	
	Grout Mixer	[1]	90	2	60%	91	
	Grout Pump	[1]	105	2	60%	106	
	Bar bender and cutter (electric)	CNP 021	90	2	60%	91	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	2	100%	98	
	Dump truck	CNP 067	117	1	30%	112	
	Concrete lorry mixer	CNP 044	109	1	60%	107	
	Welding Set	[2]	78	2	60%	79	
	Total SWL, dB (A)					123	
	Activity 3 - Superstructure						
	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	5	30%	100		
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)					118		

Item	PME	TM or other reference	SWL, dB(A)	No. of PME	% on time	Total SWL, dB(A)		
4	Park Construction - Zone C							
	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)						124	
5	West Concrete Batching Plant (Operation)							
	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)						118	
6/7	Pier Construction (Optional)							
	Group 1							
	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)						112	
	Group 2							
	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)						117	
	Group 3							
	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)						117	
	Maximum SWL, dB (A)						117	
	8	Viewing Platform (Optional)						
		Group 1						
		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)						113
		Group 2						
		Crane, mobile/ barge mounted (diesel)	CNP 048	112	2	100%	115	
Total SWL, dB (A)						115		
Maximum SWL, dB (A)						115		

Note: [1] Details extracted from EPD website: 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)

Unmitigated Construction Noise Impact

NSR: HT1 (The Harbourside Tower 1)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB	Facade Correction, dB(A)	Calculated SPL, dB(A)	2018												2019		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	121	87	-47	3	77	77	77	77	77	77	77	77	77	77	77	77	77			
2) Zone 4																				
Activity 5 - Superstructure	124	668	-64	3	63	63	63	63	63	63	63	63	63	63	63	63	63			
3) Zone 5																				
Activity 1 - Site Formation	124	407	-60	3	67	67														
Activity 2 - Foundation Works	123	407	-60	3	65		65	65	65	65	65	65	65							
Activity 3 - Superstructure	118	407	-60	3	61									61	61	61	61			
4) Park Construction - Zone C	124	432	-61	3	66	66	66	66	66	66	66	66	66	66	66	66	66			
5) West Concrete Batching Plant (Operation)	118	506	-62	3	59	59	59	59	59	59	59	59	59	59	59	59	59			
6) West Pier (Optional)	117	846	-67	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
7) South Pier (Optional)	117	347	-59	3	62	62	62	62	62	62	62	62	62	62	62	62	62			
8) Viewing Platform (Optional)	115	342	-59	3	59	59	59	59	59	59	59	59	59	59	59	59	59			
Predicted Noise Level of this Project, dB (A)						78	78	78	78	78	78	78	78	78	78	78	78			
															2018		2019			
															Min	Max	Min	Max		
															78	78	78	78		

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: HT3 (The Harbourside Tower 3)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB	Facade Correction, dB(A)	Calculated SPL, dB(A)	2018												2019		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	121	140	-51	3	73	73	73	73	73	73	73	73	73	73	73	73	73			
2) Zone 4																				
Activity 5 - Superstructure	124	577	-63	3	64	64	64	64	64	64	64	64	64	64	64	64	64			
3) Zone 5																				
Activity 1 - Site Formation	124	321	-58	3	69	69														
Activity 2 - Foundation Works	123	321	-58	3	68		68	68	68	68	68	68	68							
Activity 3 - Superstructure	118	321	-58	3	63									63	63	63	63			
4) Park Construction - Zone C	124	337	-59	3	68	68	68	68	68	68	68	68	68	68	68	68	68			
5) West Concrete Batching Plant (Operation)	118	419	-60	3	61	61	61	61	61	61	61	61	61	61	61	61	61			
6) West Pier (Optional)	117	756	-66	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
7) South Pier (Optional)	117	327	-58	3	62	62	62	62	62	62	62	62	62	62	62	62	62			
8) Viewing Platform (Optional)	115	412	-60	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
Predicted Noise Level of this Project, dB (A)						76	76	76	76	76	76	76	76	76	76	76	76			
														2018		2019				
														Min	Max	Min	Max			
														76	76	76	76			

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: AST (The Arch - Sun Tower)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB	Facade Correction, dB(A)	Calculated SPL, dB(A)	2018												2019		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	121	104	-48	3	76	76	76	76	76	76	76	76	76	76	76	76	76			
2) Zone 4																				
Activity 5 - Superstructure	124	610	-64	3	64	64	64	64	64	64	64	64	64	64	64	64	64			
3) Zone 5																				
Activity 1 - Site Formation	124	498	-62	3	65	65														
Activity 2 - Foundation Works	123	498	-62	3	64		64	64	64	64	64	64	64							
Activity 3 - Superstructure	118	498	-62	3	59									59	59	59	59			
4) Park Construction - Zone C	124	542	-63	3	64	64	64	64	64	64	64	64	64	64	64	64	64			
5) West Concrete Batching Plant (Operation)	118	598	-64	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
6) West Pier (Optional)	117	936	-67	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
7) South Pier (Optional)	117	396	-60	3	60	60	60	60	60	60	60	60	60	60	60	60	60			
8) Viewing Platform (Optional)	115	297	-57	3	61	61	61	61	61	61	61	61	61	61	61	61	61			
Predicted Noise Level of this Project, dB (A)						77	77	77	77	77	77	77	77	77	77	77	77			
														2018		2019				
														Min	Max	Min	Max			
														77	77	77	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 (A)	Distance (m)	Distance Correction, dB	Facade Correction, dB(A)	Calculated SPL, dB(A)	2018												2019		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	121	216	-55	3	70	70	70	70	70	70	70	70	70	70	70	70	70			
2) Zone 4																				
Activity 5 - Superstructure	124	1217	-70	3	58	58	58	58	58	58	58	58	58	58	58	58				
3) Zone 5																				
Activity 1 - Site Formation	124	981	-68	3	59	59														
Activity 2 - Foundation Works	123	981	-68	3	58		58	58	58	58	58	58	58							
Activity 3 - Superstructure	118	981	-68	3	53									53	53	53				
4) Park Construction - Zone C	124	966	-68	3	59	59	59	59	59	59	59	59	59	59	59	59				
5) West Concrete Batching Plant (Operation)	118	1056	-68	3	53	53	53	53	53	53	53	53	53	53	53	53				
6) West Pier (Optional)	117	1391	-71	3	50	50	50	50	50	50	50	50	50	50	50	50				
7) South Pier (Optional)	117	771	-66	3	55	55	55	55	55	55	55	55	55	55	55	55				
8) Viewing Platform (Optional)	115	447	-61	3	57	57	57	57	57	57	57	57	57	57	57	57				
Predicted Noise Level of this Project, dB (A)						71	71	71	71	71	71	71	71	71	71	71				
														2018		2019				
														Min	Max	Min	Max			
														71	71	71	71			

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 (A)	Distance (m)	Distance Correction, dB	Facade Correction, dB(A)	Calculated SPL, dB(A)	2018												2019		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	121	255	-56	3	68	68	68	68	68	68	68	68	68	68	68	68	68			
2) Zone 4																				
Activity 5 - Superstructure	124	1302	-70	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
3) Zone 5																				
Activity 1 - Site Formation	124	1040	-68	3	59	59														
Activity 2 - Foundation Works	123	1040	-68	3	57		57	57	57	57	57	57	57							
Activity 3 - Superstructure	118	1040	-68	3	53									53	53	53	53			
4) Park Construction - Zone C	124	1054	-68	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
5) West Concrete Batching Plant (Operation)	118	1140	-69	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
6) West Pier (Optional)	117	1475	-71	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
7) South Pier (Optional)	117	845	-67	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
8) Viewing Platform (Optional)	115	508	-62	3	56	56	56	56	56	56	56	56	56	56	56	56	56			
Predicted Noise Level of this Project, dB (A)						70	70	70	70	70	70	70	70	70	69	69	69	69		
															2018		2019			
															Min	Max	Min	Max		
															69	70	69	69		

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: VT1 (The Victoria Towers - Tower 1)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB	Facade Correction, dB(A)	Calculated SPL, dB(A)	2018												2019		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	121	259	-56	3	68	68	68	68	68	68	68	68	68	68	68	68	68			
2) Zone 4																				
Activity 5 - Superstructure	124	1284	-70	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
3) Zone 5																				
Activity 1 - Site Formation	124	1021	-68	3	59	59														
Activity 2 - Foundation Works	123	1021	-68	3	57		57	57	57	57	57	57	57							
Activity 3 - Superstructure	118	1021	-68	3	53									53	53	53	53			
4) Park Construction - Zone C	124	1060	-69	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
5) West Concrete Batching Plant (Operation)	118	1136	-69	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
6) West Pier (Optional)	117	1451	-71	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
7) South Pier (Optional)	117	786	-66	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
8) Viewing Platform (Optional)	115	422	-61	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
Predicted Noise Level of this Project, dB (A)						70	70	70	70	70	70	70	70	70	69	69	69	69		
															2018		2019			
															Min	Max	Min	Max		
															69	70	69	69		

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: VT2 (The Victoria Towers - Tower 2)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB	Facade Correction, dB(A)	Calculated SPL, dB(A)	2018												2019		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	121	195	-54	3	70	70	70	70	70	70	70	70	70	70	70	70	70			
2) Zone 4																				
Activity 5 - Superstructure	124	1279	-70	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
3) Zone 5																				
Activity 1 - Site Formation	124	1038	-68	3	59	59														
Activity 2 - Foundation Works	123	1038	-68	3	57		57	57	57	57	57	57	57							
Activity 3 - Superstructure	118	1038	-68	3	53									53	53	53	53			
4) Park Construction - Zone C																				
Activity 3 - Superstructure	124	1071	-69	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
5) West Concrete Batching Plant (Operation)																				
Activity 3 - Superstructure	118	1151	-69	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
6) West Pier (Optional)																				
Activity 3 - Superstructure	117	1471	-71	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
7) South Pier (Optional)																				
Activity 3 - Superstructure	117	816	-66	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
8) Viewing Platform (Optional)																				
Activity 3 - Superstructure	115	462	-61	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
Predicted Noise Level of this Project, dB (A)						71	71	71	71	71	71	71	71	71	71	71	71			
														2018		2019				
														Min	Max	Min	Max			
														71	71	71	71			

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 (A)	Distance (m)	Distance Correction, dB	Facade Correction, dB(A)	Calculated SPL, dB(A)	2018												2019		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	121	149	-51	3	73	73	73	73	73	73	73	73	73	73	73	73	73			
2) Zone 4																				
Activity 5 - Superstructure	124	1292	-70	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
3) Zone 5																				
Activity 1 - Site Formation	124	1022	-68	3	59	59														
Activity 2 - Foundation Works	123	1022	-68	3	57		57	57	57	57	57	57	57							
Activity 3 - Superstructure	118	1022	-68	3	53										53	53	53			
4) Park Construction - Zone C	124	1079	-69	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
5) West Concrete Batching Plant (Operation)	118	1150	-69	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
6) West Pier (Optional)	117	1455	-71	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
7) South Pier (Optional)	117	780	-66	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
8) Viewing Platform (Optional)	115	398	-60	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
Predicted Noise Level of this Project, dB (A)						73	73	73	73	73	73	73	73	73	73	73	73			
															2018		2019			
															Min	Max	Min	Max		
															73	73	73	73		

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: CRGPS (Canton Road Government Primary School)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB	Facade Correction, dB(A)	Calculated SPL, dB(A)	2018												2019		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	121	152	-52	3	73	73	73	73	73	73	73	73	73	73	73	73	73	73		
2) Zone 4																				
Activity 5 - Superstructure	124	1298	-70	3	57	57	57	57	57	57	57	57	57	57	57	57	57	57		
3) Zone 5																				
Activity 1 - Site Formation	124	1026	-68	3	59	59														
Activity 2 - Foundation Works	123	1026	-68	3	57		57	57	57	57	57	57	57							
Activity 3 - Superstructure	118	1026	-68	3	53										53	53	53	53		
4) Park Construction - Zone C	124	1080	-69	3	58	58	58	58	58	58	58	58	58	58	58	58	58	58		
5) West Concrete Batching Plant (Operation)	118	1155	-69	3	52	52	52	52	52	52	52	52	52	52	52	52	52	52		
6) West Pier (Optional)	117	1455	-71	3	49	49	49	49	49	49	49	49	49	49	49	49	49	49		
7) South Pier (Optional)	117	775	-66	3	55	55	55	55	55	55	55	55	55	55	55	55	55	55		
8) Viewing Platform (Optional)	115	400	-60	3	58	58	58	58	58	58	58	58	58	58	58	58	58	58		
Predicted Noise Level of this Project, dB (A)						73	73	73	73	73	73	73	73	73	73	73	73	73	73	
															2018		2019			
															Min	Max	Min	Max		
															73	73	73	73		

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: FQ (Fire Services Department Staff Quarter)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB	Facade Correction, dB(A)	Calculated SPL, dB(A)	2018												2019		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	121	54	-43	3	82	82	82	82	82	82	82	82	82	82	82	82	82			
2) Zone 4																				
Activity 5 - Superstructure	124	1192	-70	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
3) Zone 5																				
Activity 1 - Site Formation	124	923	-67	3	60	60														
Activity 2 - Foundation Works	123	923	-67	3	58		58	58	58	58	58	58	58							
Activity 3 - Superstructure	118	923	-67	3	54									54	54	54	54			
4) Park Construction - Zone C	124	982	-68	3	59	59	59	59	59	59	59	59	59	59	59	59	59			
5) West Concrete Batching Plant (Operation)	118	1050	-68	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
6) West Pier (Optional)	117	1350	-71	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
7) South Pier (Optional)	117	680	-65	3	56	56	56	56	56	56	56	56	56	56	56	56	56			
8) Viewing Platform (Optional)	115	291	-57	3	61	61	61	61	61	61	61	61	61	61	61	61	61			
Predicted Noise Level of this Project, dB (A)						82	82	82	82	82	82	82	82	82	82	82	82			
														2018		2019				
														Min	Max	Min	Max			
														82	82	82	82			

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 (A)	Distance (m)	Distance Correction, dB	Facade Correction, dB(A)	Calculated SPL, dB(A)	2018												2019		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	121	287	-57	3	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	
2) Zone 4																				
Activity 5 - Superstructure	124	727	-65	3	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	
3) Zone 5																				
Activity 1 - Site Formation	124	470	-61	3	66	66														
Activity 2 - Foundation Works	123	470	-61	3	64		64	64	64	64	64	64	64							
Activity 3 - Superstructure	118	470	-61	3	60											60	60	60	60	
4) Park Construction - Zone C	124	487	-62	3	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	
5) West Concrete Batching Plant (Operation)	118	451	-61	3	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	
6) West Pier (Optional)	117	826	-66	3	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
7) South Pier (Optional)	117	476	-62	3	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	
8) Viewing Platform (Optional)	115	561	-63	3	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
Predicted Noise Level of this Project, dB (A)						72	72	72	72	72	72	72	72	72	71	71	71	71	71	
															2018		2019			
															Min	Max	Min	Max		

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: P7

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB	Facade Correction, dB(A)	Calculated SPL, dB(A)	2018												2019											
						4	5	6	7	8	9	10	11	12	1	2	3												
1) Zone 2																													
Activity 5 - Superstructure	121	39	-40	3	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84					
2) Zone 4																													
Activity 5 - Superstructure	124	1109	-69	3	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58					
3) Zone 5																													
Activity 1 - Site Formation	124	845	-67	3	60	60																							
Activity 2 - Foundation Works	123	845	-67	3	59		59	59	59	59	59	59	59																
Activity 3 - Superstructure	118	845	-67	3	55															55	55	55	55						
4) Park Construction - Zone C	124	897	-67	3	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60					
5) West Concrete Batching Plant (Operation)	118	958	-68	3	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53					
6) West Pier (Optional)	117	1265	-70	3	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50					
7) South Pier (Optional)	117	606	-64	3	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57					
8) Viewing Platform (Optional)	115	257	-56	3	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62					
Predicted Noise Level of this Project, dB (A)						84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84				
																		2018		2019									
																		Min	Max	Min	Max								

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: P13

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB	Facade Correction, dB(A)	Calculated SPL, dB(A)	2018												2019		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	121	47	-41	3	83	83	83	83	83	83	83	83	83	83	83	83	83			
2) Zone 4																				
Activity 5 - Superstructure	124	958	-68	3	60	60	60	60	60	60	60	60	60	60	60	60	60			
3) Zone 5																				
Activity 1 - Site Formation	124	693	-65	3	62	62														
Activity 2 - Foundation Works	123	693	-65	3	61		61	61	61	61	61	61	61							
Activity 3 - Superstructure	118	693	-65	3	56									56	56	56	56			
4) Park Construction - Zone C	124	759	-66	3	61	61	61	61	61	61	61	61	61	61	61	61	61			
5) West Concrete Batching Plant (Operation)	118	811	-66	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
6) West Pier (Optional)	117	1115	-69	3	51	51	51	51	51	51	51	51	51	51	51	51	51			
7) South Pier (Optional)	117	456	-61	3	59	59	59	59	59	59	59	59	59	59	59	59	59			
8) Viewing Platform (Optional)	115	134	-51	3	67	67	67	67	67	67	67	67	67	67	67	67	67			
Predicted Noise Level of this Project, dB (A)						83	83	83	83	83	83	83	83	83	83	83	83			
														2018		2019				
														Min	Max	Min	Max			

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: P21

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB	Facade Correction, dB(A)	Calculated SPL, dB(A)	2018												2019		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	121	40	-40	3	84	84	84	84	84	84	84	84	84	84	84	84	84			
2) Zone 4																				
Activity 5 - Superstructure	124	755	-66	3	62	62	62	62	62	62	62	62	62	62	62	62	62			
3) Zone 5																				
Activity 1 - Site Formation	124	490	-62	3	65	65														
Activity 2 - Foundation Works	123	490	-62	3	64		64	64	64	64	64	64	64							
Activity 3 - Superstructure	118	490	-62	3	59										59	59	59			
4) Park Construction - Zone C																				
Activity 3 - Superstructure	124	586	-63	3	63	63	63	63	63	63	63	63	63	63	63	63	63			
5) West Concrete Batching Plant (Operation)																				
Activity 3 - Superstructure	118	626	-64	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
6) West Pier (Optional)																				
Activity 3 - Superstructure	117	910	-67	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
7) South Pier (Optional)																				
Activity 3 - Superstructure	117	257	-56	3	64	64	64	64	64	64	64	64	64	64	64	64	64			
8) Viewing Platform (Optional)																				
Activity 3 - Superstructure	115	148	-51	3	67	67	67	67	67	67	67	67	67	67	67	67	67			
Predicted Noise Level of this Project, dB (A)																				
																2018	2019			
																Min	Max	Min	Max	
																84	84	84	84	

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.