

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	3	50%	97	
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	4	50%	115	
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	4	50%	108	
	Concrete pump, stationary/ lorry mounted	CNP 047	109	4	50%	112	
	Poker, vibratory, hand-held (electric)	[1]	102	16	50%	111	
	Bar bender and cutter (electric)	CNP 021	90	4	50%	93	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	4	100%	101	
	Air compressor, air flow > 30m3/min	CNP 003	104	4	100%	110	
	Concrete lorry mixer	CNP 044	109	2	50%	109	
	Total SWL, dB (A)						119
	Group 2						
	Drill/grinder, hand-held (electric)	CNP 065	98	10	30%	103	
	Water pump (electric)	CNP 281	88	8	30%	92	
	Excavator/ loader, wheeled/ tracked	CNP 081	112	8	30%	116	
	Fork Lift Truck	[2]	104	8	30%	108	
	Hoist, passenger/ material (electric)	CNP 122	95	8	30%	99	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	95	
	Total SWL, dB (A)						117
	Maximum SWL, dB (A)						119
	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	8	100%	104	
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 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	2	100%	98
		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
	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	60%	99
		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	

Item	PME	TM or other reference	SWL, dB(A)	No. of PME	% on time	Total SWL, dB(A)		
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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	119	155	-52	3	71	71	71	71	71	71	71	71	71	71	71	71	71			
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 3 - Superstructure	118	407	-60	3	61	61	61	61	61	61	61	61	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)						73	73	73	73	73	73	73	73	73	73	73	73			
															2019		2020			
															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: 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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	119	199	-54	3	68	68	68	68	68	68	68	68	68	68	68	68	68			
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 3 - Superstructure	118	321	-58	3	63	63	63	63	63	63	63	63	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)						73	73	73	73	73	73	73	72	72	72	72	72			
															2019		2020			
															Min	Max	Min	Max		
															72	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.

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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	119	133	-50	3	72	72	72	72	72	72	72	72	72	72	72	72	72			
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 3 - Superstructure	118	498	-62	3	59	59	59	59	59	59	59	59	59	59	59	59	59			
4) Park Construction - Zone C																				
Activity 5 - Superstructure	124	542	-63	3	64	64	64	64	64	64	64	64	64	64	64	64	64			
5) West Concrete Batching Plant (Operation)																				
Activity 5 - Superstructure	118	598	-64	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
6) West Pier (Optional)																				
Activity 5 - Superstructure	117	936	-67	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
7) South Pier (Optional)																				
Activity 5 - Superstructure	117	396	-60	3	60	60	60	60	60	60	60	60	60	60	60	60	60			
8) Viewing Platform (Optional)																				
Activity 5 - Superstructure	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)						74	74	74	74	74	74	74	73	73	73	73	73			
															2019	2020				
															Min	Max	Min	Max		
															73	74	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: 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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	119	216	-55	3	68	68	68	68	68	68	68	68	68	68	68	68	68			
2) Zone 4																				
Activity 5 - Superstructure	124	1217	-70	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
3) Zone 5																				
Activity 3 - Superstructure	118	981	-68	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
4) Park Construction - Zone C	124	966	-68	3	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	53			
6) West Pier (Optional)	117	1391	-71	3	50	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	55			
8) Viewing Platform (Optional)	115	447	-61	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
Predicted Noise Level of this Project, dB (A)						69	69	69	69	69	69	69	69	69	69	69	69			
						2019		2020												
						Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max			
						69	69	69	69	69	69	69	69	69	69	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: 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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	119	255	-56	3	66	66	66	66	66	66	66	66	66	66	66	66	66			
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 3 - Superstructure	118	1040	-68	3	53	53	53	53	53	53	53	53	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)						68	68	68	68	68	68	68	68	68	68	68	68			
															2019		2020			
															Min	Max	Min	Max		
															68	68	68	68		

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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	119	157	-52	3	70	70	70	70	70	70	70	70	70	70	70	70	70			
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 3 - Superstructure	118	1021	-68	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
4) Park Construction - Zone C	124	1060	-69	3	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)						71	71	71	71	71	71	71	71	71	71	71	71			
															2019		2020			
															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: 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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	119	195	-54	3	69	69	69	69	69	69	69	69	69	69	69	69	69			
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 3 - Superstructure	118	1038	-68	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
4) Park Construction - Zone C	124	1071	-69	3	58	58	58	58	58	58	58									
5) West Concrete Batching Plant (Operation)	118	1151	-69	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
6) West Pier (Optional)	117	1471	-71	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
7) South Pier (Optional)	117	816	-66	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
8) Viewing Platform (Optional)	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)						70	70	70	70	70	70	70	69	69	69	69	69			
												2019		2020						
												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: 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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	119	149	-51	3	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	
2) Zone 4																				
Activity 5 - Superstructure	124	1292	-70	3	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	
3) Zone 5																				
Activity 3 - Superstructure	118	1022	-68	3	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	
4) Park Construction - Zone C																				
Activity 3 - Superstructure	124	1079	-69	3	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	
5) West Concrete Batching Plant (Operation)																				
Activity 3 - Superstructure	118	1150	-69	3	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	
6) West Pier (Optional)																				
Activity 3 - Superstructure	117	1455	-71	3	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	
7) South Pier (Optional)																				
Activity 3 - Superstructure	117	780	-66	3	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
8) Viewing Platform (Optional)																				
Activity 3 - Superstructure	115	398	-60	3	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	
Predicted Noise Level of this Project, dB (A)						72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
															2019	2020				
															Min	Max	Min	Max		
															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: 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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	119	152	-52	3	71	71	71	71	71	71	71	71	71	71	71	71	71			
2) Zone 4																				
Activity 5 - Superstructure	124	1298	-70	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
3) Zone 5																				
Activity 3 - Superstructure	118	1026	-68	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
4) Park Construction - Zone C	124	1080	-69	3	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			
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	775	-66	3	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			
Predicted Noise Level of this Project, dB (A)						72	72	72	72	72	72	72	71	71	71	71	71			
															2019	2020				
															Min	Max	Min	Max		
															71	72	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: 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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	119	54	-43	3	80	80	80	80	80	80	80	80	80	80	80	80	80			
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 3 - Superstructure	118	923	-67	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
4) Park Construction - Zone C	124	982	-68	3	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)						80	80	80	80	80	80	80	80	80	80	80	80	80		
																2019		2020		
																Min	Max	Min	Max	
																80	80	80	80	

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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	119	348	-59	3	64	64	64	64	64	64	64	64	64	64	64	64	64			
2) Zone 4																				
Activity 5 - Superstructure	124	727	-65	3	62	62	62	62	62	62	62	62	62	62	62	62	62			
3) Zone 5																				
Activity 3 - Superstructure	118	470	-61	3	60	60	60	60	60	60	60	60	60	60	60	60	60			
4) Park Construction - Zone C	124	487	-62	3	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			
6) West Pier (Optional)	117	826	-66	3	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			
8) Viewing Platform (Optional)	115	561	-63	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
Predicted Noise Level of this Project, dB (A)						70	70	70	70	70	70	70	69	69	69	69	69			
															2019		2020			
															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: 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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	119	39	-40	3	83	83	83	83	83	83	83	83	83	83	83	83	83			
2) Zone 4																				
Activity 5 - Superstructure	124	1109	-69	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
3) Zone 5																				
Activity 3 - Superstructure	118	845	-67	3	55	55	55	55	55	55	55	55	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			
5) West Concrete Batching Plant (Operation)	118	958	-68	3	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			
7) South Pier (Optional)	117	606	-64	3	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			
Predicted Noise Level of this Project, dB (A)						83	83	83	83	83	83	83	83	83	83	83	83			
															2019		2020			
															Min	Max	Min	Max		
															83	83	83	83		

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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	119	103	-48	3	74	74	74	74	74	74	74	74	74	74	74	74	74			
2) Zone 4																				
Activity 5 - Superstructure	124	883	-67	3	60	60	60	60	60	60	60	60	60	60	60	60	60			
3) Zone 5																				
Activity 3 - Superstructure	118	623	-64	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
4) Park Construction - Zone C																				
Activity 3 - Superstructure	124	751	-66	3	61	61	61	61	61	61	61	61	61	61	61	61	61			
5) West Concrete Batching Plant (Operation)																				
Activity 3 - Superstructure	118	741	-65	3	56	56	56	56	56	56	56	56	56	56	56	56	56			
6) West Pier (Optional)																				
Activity 3 - Superstructure	117	1045	-68	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
7) South Pier (Optional)																				
Activity 3 - Superstructure	117	426	-61	3	60	60	60	60	60	60	60	60	60	60	60	60	60			
8) Viewing Platform (Optional)																				
Activity 3 - Superstructure	115	81	-46	3	72	72	72	72	72	72	72	72	72	72	72	72	72			
Predicted Noise Level of this Project, dB (A)						77	77	77	77	77	77	77	76	76	76	76	76			
														2019	2020					
														Min	Max	Min	Max			
														76	77	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: P17

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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	119	33	-38	3	84	84	84	84	84	84	84	84	84	84	84	84	84			
2) Zone 4																				
Activity 5 - Superstructure	124	813	-66	3	61	61	61	61	61	61	61	61	61	61	61	61	61			
3) Zone 5																				
Activity 3 - Superstructure	118	553	-63	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
4) Park Construction - Zone C	124	680	-65	3	62	62	62	62	62	62	62									
5) West Concrete Batching Plant (Operation)	118	670	-65	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
6) West Pier (Optional)	117	975	-68	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
7) South Pier (Optional)	117	355	-59	3	61	61	61	61	61	61	61	61	61	61	61	61	61			
8) Viewing Platform (Optional)	115	161	-52	3	66	66	66	66	66	66	66	66	66	66	66	66	66			
Predicted Noise Level of this Project, dB (A)						84	84	84	84	84	84	84	84	84	84	84	84			
																2019		2020		
																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.

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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	119	40	-40	3	82	82	82	82	82	82	82	82	82	82	82	82	82			
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 3 - Superstructure	118	490	-62	3	59	59	59	59	59	59	59	59	59	59	59	59	59			
4) Park Construction - Zone C	124	586	-63	3	63	63	63	63	63	63	63									
5) West Concrete Batching Plant (Operation)	118	626	-64	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
6) West Pier (Optional)	117	910	-67	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
7) South Pier (Optional)	117	257	-56	3	64	64	64	64	64	64	64	64	64	64	64	64	64			
8) Viewing Platform (Optional)	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)						83	83	83	83	83	83	83	83	83	83	83	83			
															2019	2020				
															Min	Max	Min	Max		
															83	83	83	83		

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: P26

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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	119	41	-40	3	82	82	82	82	82	82	82	82	82	82	82	82	82			
2) Zone 4																				
Activity 5 - Superstructure	124	664	-64	3	63	63	63	63	63	63	63	63	63	63	63	63	63			
3) Zone 5																				
Activity 3 - Superstructure	118	399	-60	3	61	61	61	61	61	61	61	61	61	61	61	61	61			
4) Park Construction - Zone C	124	541	-63	3	64	64	64	64	64	64	64									
5) West Concrete Batching Plant (Operation)	118	536	-63	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
6) West Pier (Optional)	117	821	-66	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
7) South Pier (Optional)	117	193	-54	3	67	67	67	67	67	67	67	67	67	67	67	67	67			
8) Viewing Platform (Optional)	115	233	-55	3	63	63	63	63	63	63	63	63	63	63	63	63	63			
Predicted Noise Level of this Project, dB (A)						83	83	83	83	83	83	83	82	82	82	82	82			
															2019		2020			
															Min	Max	Min	Max		
															82	83	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: P29

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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	119	162	-52	3	70	70	70	70	70	70	70	70	70	70	70	70	70			
2) Zone 4																				
Activity 5 - Superstructure	124	537	-63	3	65	65	65	65	65	65	65	65	65	65	65	65	65			
3) Zone 5																				
Activity 3 - Superstructure	118	279	-57	3	64	64	64	64	64	64	64	64	64	64	64	64	64			
4) Park Construction - Zone C	124	356	-59	3	68	68	68	68	68	68	68	68	68	68	68	68	68			
5) West Concrete Batching Plant (Operation)	118	396	-60	3	61	61	61	61	61	61	61	61	61	61	61	61	61			
6) West Pier (Optional)	117	706	-65	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
7) South Pier (Optional)	117	217	-55	3	66	66	66	66	66	66	66	66	66	66	66	66	66			
8) Viewing Platform (Optional)	115	376	-60	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
Predicted Noise Level of this Project, dB (A)						74	74	74	74	74	74	74	73	73	73	73	73			
															2019		2020			
															Min	Max	Min	Max		
															73	74	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: P32

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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 5 - Superstructure	119	163	-52	3	70	70	70	70	70	70	70	70	70	70	70	70	70			
2) Zone 4																				
Activity 5 - Superstructure	124	530	-62	3	65	65	65	65	65	65	65	65	65	65	65	65	65			
3) Zone 5																				
Activity 3 - Superstructure	118	266	-56	3	65	65	65	65	65	65	65	65	65	65	65	65	65			
4) Park Construction - Zone C	124	410	-60	3	66	66	66	66	66	66	66	66	66	66	66	66	66			
5) West Concrete Batching Plant (Operation)	118	420	-60	3	61	61	61	61	61	61	61	61	61	61	61	61	61			
6) West Pier (Optional)	117	680	-65	3	56	56	56	56	56	56	56	56	56	56	56	56	56			
7) South Pier (Optional)	117	109	-49	3	72	72	72	72	72	72	72	72	72	72	72	72	72			
8) Viewing Platform (Optional)	115	353	-59	3	59	59	59	59	59	59	59	59	59	59	59	59	59			
Predicted Noise Level of this Project, dB (A)						76	76	76	76	76	76	76	76	76	76	76	76			
															2019		2020			
															Min	Max	Min	Max		
															75	76	75	75		

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.