

Item	PME	TM or other reference	SWL, dB(A)	No. of PME	% on time	Screening Effect, dB(A)	Noise Mitigation Measures	Total SWL, dB(A)	
1a	Zone 2 (for area with less plant) [3]								
	Activity 4 - Basement and Underpass								
	Crane, mobile	EPD-01516	101	1	60%	-5	Movable Barrier	94	
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	1	60%	-5	Movable Barrier	98	
	Concrete pump, stationary/ lorry mounted	CNP 047	109	1	60%	-10	Movable Barrier	97	
	Poker, vibratory, hand-held (electric)	[1]	102	5	60%	-10	Movable Barrier	97	
	Bar bender and cutter (electric)	CNP 021	90	1	60%	-10	Movable Barrier	78	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	-15	Enclosure	80	
	Concrete lorry mixer	CNP 044	109	1	60%	-5	Movable Barrier	102	
								Total SWL, dB (A)	105
	Activity 5 - Superstructure								
	Crane, mobile	EPD-01516	101	1	50%	-5	Movable Barrier	93	
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	1	50%	-5	Movable Barrier	97	
	Concrete pump, stationary/ lorry mounted	CNP 047	109	1	50%	-10	Movable Barrier	96	
	Poker, vibratory, hand-held (electric)	[1]	102	5	50%	-10	Movable Barrier	96	
	Bar bender and cutter (electric)	CNP 021	90	1	50%	-10	Movable Barrier	77	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	2	100%	-15	Enclosure	83	
	Concrete lorry mixer	CNP 044	109	1	50%	-5	Movable Barrier	101	
	Drill/grinder, hand-held (electric)	CNP 065	98	2	30%	-10	Movable Barrier	86	
	Water pump (electric)	CNP 281	88	1	30%	-10	Movable Barrier	73	
Excavator, wheeled/tracked	EPD-01230	99	1	30%	-5	Movable Barrier	89		
Fork Lift Truck	[2]	104	1	30%	-5	Movable Barrier	94		
Hoist, passenger/ material (electric)	CNP 122	95	1	30%			90		
							Total SWL, dB (A)	105	
1b	Zone 2 (for area with more plant) [3]								
	Activity 4 - Basement and Underpass								
	Crane, tower (electric)	CNP 049	95	1	60%			93	
	Crane, mobile	EPD-01516	101	1	60%	-5	Movable Barrier	94	
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	1	60%	-5	Movable Barrier	98	
	Concrete pump, stationary/ lorry mounted	CNP 047	109	1	60%	-10	Movable Barrier	97	
	Poker, vibratory, hand-held (electric)	[1]	102	5	60%	-10	Movable Barrier	97	
	Bar bender and cutter (electric)	CNP 021	90	1	60%	-10	Movable Barrier	78	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	-15	Enclosure	80	
	Air compressor, air flow > 30m3/min	CNP 003	104	1	100%	-15	Enclosure	89	
	Concrete lorry mixer	CNP 044	109	1	60%	-5	Movable Barrier	102	
								Total SWL, dB (A)	106
	Activity 5 - Superstructure								
	Crane, tower (electric)	CNP 049	95	1	50%			92	
	Crane, mobile	EPD-01516	101	1	50%	-5	Movable Barrier	93	
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	1	50%	-5	Movable Barrier	97	
	Concrete pump, stationary/ lorry mounted	CNP 047	109	1	50%	-10	Movable Barrier	96	
	Poker, vibratory, hand-held (electric)	[1]	102	5	50%	-10	Movable Barrier	96	
	Bar bender and cutter (electric)	CNP 021	90	1	50%	-10	Movable Barrier	77	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	2	100%	-15	Enclosure	83	
Air compressor, air flow > 30m3/min	CNP 003	104	1	100%	-15	Enclosure	89		
Concrete lorry mixer	CNP 044	109	1	50%	-5	Movable Barrier	101		
Drill/grinder, hand-held (electric)	CNP 065	98	3	30%	-10	Movable Barrier	88		
Water pump (electric)	CNP 281	88	3	30%	-10	Movable Barrier	78		
Excavator, wheeled/tracked	EPD-01230	99	3	30%	-5	Movable Barrier	94		
Fork Lift Truck	[2]	104	3	30%	-5	Movable Barrier	99		
Hoist, passenger/ material (electric)	CNP 122	95	3	30%			95		
							Total SWL, dB (A)	106	
2	Zone 3								
	Activity 5 - Superstructure								
	Crane, tower (electric)	CNP 049	95	1	50%			92	
	Crane, mobile	EPD-01516	101	2	50%	-5	Movable Barrier	96	
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	2	50%	-5	Movable Barrier	100	
	Concrete pump, stationary/ lorry mounted	CNP 047	109	2	50%	-10	Movable Barrier	99	
	Poker, vibratory, hand-held (electric)	[1]	102	10	50%	-10	Movable Barrier	99	
	Bar bender and cutter (electric)	CNP 021	90	2	50%	-10	Movable Barrier	80	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	3	100%	-15	Enclosure	85	
	Air compressor, air flow > 30m3/min	CNP 003	104	1	100%	-15	Enclosure	89	
	Concrete lorry mixer	CNP 044	109	2	50%	-5	Movable Barrier	104	
	Drill/grinder, hand-held (electric)	CNP 065	98	6	30%	-10	Movable Barrier	91	
	Water pump (electric)	CNP 281	88	4	30%	-10	Movable Barrier	79	
	Excavator, wheeled/tracked	EPD-01230	99	4	30%	-5	Movable Barrier	95	
	Fork Lift Truck	[2]	104	4	30%	-5	Movable Barrier	100	
	Hoist, passenger/ material (electric)	CNP 122	95	4	30%			96	
								Total SWL, dB (A)	109
3	Zone 4								
	Activity 2 - Bored Piling								
	Crane, mobile	EPD-01516	101	6	60%	-5	Movable Barrier	102	
	Excavator/ loader, wheeled/ tracked	CNP 081	112	6	30%	-5	Movable Barrier	110	
	Piling Rig	[2]	112	6	60%	-10	Fabric	108	
	Drill Rig	[1]	110	6	60%	-10	Fabric	106	
	Excavator/ loader, wheeled/ tracked	CNP 081	112	6	60%	-5	Movable Barrier	113	
	Piling, large diameter bored, grab and chisel	CNP 164	115	6	60%	-10	Fabric	111	
	Piling, large diameter bored, reverse circulation drill	CNP 166	100	6	60%	-10	Fabric	96	
	Piling, large diameter bored, oscillator	CNP 165	115	6	60%	-10	Fabric	111	
	Air compressor, air flow > 30m3/min	CNP 003	104	6	100%	-15	Enclosure	97	
	Grout Mixer	[1]	90	6	60%	-10	Movable Barrier	86	
	Grout Pump	[1]	105	6	60%	-10	Movable Barrier	101	
	Bar bender and cutter (electric)	CNP 021	90	6	60%	-10	Movable Barrier	86	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	6	100%	-10	Enclosure	93	
	Dump truck	CNP 067	117	3	30%	-5	Movable Barrier	112	
	Concrete lorry mixer	CNP 044	109	3	60%	-5	Movable Barrier	107	
	Welding Set	[2]	78	6	60%	-10	Movable Barrier	74	
								Total SWL, dB (A)	119
	Activity 3 - Excavation								
Crane, mobile	EPD-01516	101	6	60%	-5	Movable Barrier	102		
Air compressor, air flow > 30m3/min	CNP 003	104	6	100%	-15	Enclosure	97		
Excavator/ loader, wheeled/ tracked	CNP 081	112	6	60%	-5	Movable Barrier	113		
Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	6	100%	-15	Enclosure	88		
Dump truck	CNP 067	117	9	30%	-5	Movable Barrier	116		
							Total SWL, dB (A)	118	

Item	PME	TM or other reference	SWL, dB(A)	No. of PME	% on time	Screening Effect, dB(A)	Noise Mitigation Measures	Total SWL, dB(A)
Activity 4 - Basement								
	Crane, tower (electric)	CNP 049	95	4	60%	-5	Movable Barrier	94
	Crane, mobile	EPD-01516	101	8	60%	-5	Movable Barrier	103
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	8	60%	-5	Movable Barrier	107
	Concrete pump, stationary/ lorry mounted	CNP 047	109	8	60%	-10	Movable Barrier	106
	Poker, vibratory, hand-held (electric)	[1]	102	40	60%	-10	Movable Barrier	106
	Bar bender and cutter (electric)	CNP 021	90	8	60%	-10	Movable Barrier	87
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	8	100%	-15	Enclosure	89
	Air compressor, air flow > 30m3/min	CNP 003	104	4	100%	-10	Movable Barrier	100
	Concrete lorry mixer	CNP 044	109	8	60%	-5	Movable Barrier	111
							Total SWL, dB (A)	114
Activity 5 - Superstructure								
	Crane, tower (electric)	CNP 049	95	4	50%			98
	Crane, mobile	EPD-01516	101	8	50%	-5	Movable Barrier	102
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	8	50%	-5	Movable Barrier	106
	Concrete pump, stationary/ lorry mounted	CNP 047	109	8	50%	-10	Movable Barrier	105
	Poker, vibratory, hand-held (electric)	[1]	102	40	50%	-10	Movable Barrier	105
	Bar bender and cutter (electric)	CNP 021	90	8	50%	-10	Movable Barrier	86
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	9	100%	-15	Enclosure	90
	Air compressor, air flow > 30m3/min	CNP 003	104	4	100%	-15	Enclosure	95
	Concrete lorry mixer	CNP 044	109	8	50%	-5	Movable Barrier	110
	Drill/grinder, hand-held (electric)	CNP 065	98	20	30%	-10	Movable Barrier	96
	Water pump (electric)	CNP 281	88	14	30%	-10	Movable Barrier	84
	Excavator/ loader, wheeled/ tracked	CNP 081	112	14	30%	-5	Movable Barrier	113
	Fork Lift Truck	[2]	104	14	30%	-5	Movable Barrier	105
	Hoist, passenger/ material (electric)	CNP 122	95	14	30%			101
							Total SWL, dB (A)	117
4	Zone 5							
Activity 1 - Site Formation								
	Breaker, excavator mounted (pneumatic)	CNP 027	122	2	60%	-5	Movable Barrier	118
	Dump truck	CNP 067	117	2	60%	-5	Movable Barrier	113
							Total SWL, dB (A)	119
5	Park Construction - Zone B							
	Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	1	60%	-5	Movable Barrier	98
	Crane, mobile	EPD-01516	101	1	60%	-5	Movable Barrier	94
	Excavator, wheeled/tracked	EPD-01230	99	1	60%	-5	Movable Barrier	92
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	-15	Enclosure	80
	Lorry	CNP 141	112	1	60%	-5	Movable Barrier	105
							Total SWL, dB (A)	106
6	Park Construction - Zone C							
	Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	4	60%			109
	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)	121
7	Flyover							
Group 1								
	Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	1	100%	-15	Enclosure	87
	Breaker, hand-held, mass > 35kg	CNP 026	114	2	30%	-10	Movable Barrier	102
	Crane, mobile	EPD-01516	101	1	100%	-5	Movable Barrier	96
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	1	70%	-5	Movable Barrier	98
	Bar bender and cutter (electric)	CNP 021	90	1	80%	-10	Movable Barrier	79
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	-15	Enclosure	80
							Total SWL, dB (A)	104
Group 2								
	Breaker, hand-held, mass > 35kg	CNP 026	114	2	30%	-10	Movable Barrier	102
	Breaker, hand-held, mass > 10kg and < 20kg	CNP 024	108	1	30%	-10	Movable Barrier	93
	Concrete lorry mixer	CNP 044	109	1	50%	-5	Movable Barrier	101
	Poker, vibratory, hand-held (electric)	[1]	102	2	50%	-10	Movable Barrier	92
	Grout pump	[1]	105	1	20%	-10	Movable Barrier	88
	Saw, circular, wood	CNP 201	108	1	80%	-10	Movable Barrier	97
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	-15	Enclosure	80
							Total SWL, dB (A)	106
							Maximum SWL, dB (A)	106
8	East Concrete Batching Plant (Demolition)							
	Crane, mobile	EPD-01516	101	2	60%	-5	Movable Barrier	97
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	2	60%	-15	Enclosure	81
	Welding set	[2]	78	2	60%	-10	Movable Barrier	69
							Total SWL, dB (A)	97
9	West Concrete Batching Plant (Operation)							
	Excavator/ loader, wheeled/ tracked	CNP 081	112	2	60%	-5	Movable Barrier	108
	Concrete mixer (electric)	CNP 045	96	2	60%	-10	Movable Barrier	87
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	4	60%	-15	Enclosure	84
	Concrete mixer (petrol)	CNP 046	96	6	60%	-10	Movable Barrier	92
	Concrete lorry mixer	CNP 044	109	4	60%	-5	Movable Barrier	108
	Batching plant	CNP 022	108	2	60%			109
	Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	4	60%	-15	Enclosure	91
	Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	2	30%	-5	Movable Barrier	98
							Total SWL, dB (A)	113

Item	PME	TM or other reference	SWL, dB(A)	No. of PME	% on time	Screening Effect, dB(A)	Noise Mitigation Measures	Total SWL, dB(A)		
10/11	Pier Construction (Optional)									
	Group 1									
	Piling, large diameter bored, reverse circulation drill	CNP 166	100	1	100%	-10	Fabric	90		
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	60%	-5	Movable Barrier	105		
	Tug boat	CNP 221	110	1	60%			108		
								Total SWL, dB (A)	110	
	Group 2									
	Concrete pump, stationary/ lorry mounted	CNP 047	109	2	100%	-10	Movable Barrier	102		
	Concrete lorry mixer	CNP 044	109	4	60%	-5	Movable Barrier	108		
	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%	-15	Enclosure	90		
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	60%	-5	Movable Barrier	105		
	Tug boat	CNP 221	110	1	60%			108		
								Total SWL, dB (A)	112	
	Group 3									
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	60%	-5	Movable Barrier	105		
	Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	-15	Enclosure	90		
	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%	-10	Movable Barrier	102		
	Concrete lorry mixer	CNP 044	109	2	60%	-5	Movable Barrier	105		
	Poker, vibratory, hand-held (electric)	[1]	102	4	80%	-10	Movable Barrier	97		
	Tug boat	CNP 221	110	1	60%			108		
								Total SWL, dB (A)	112	
								Maximum SWL, dB (A)	112	
	12	Viewing Platform (Optional)								
		Group 1								
		Piling, large diameter bored, reverse circulation drill	CNP 166	100	1	100%	-10	Fabric	90	
		Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	80%	-5	Movable Barrier	106	
		Tug boat	CNP 221	110	1	60%			108	
									Total SWL, dB (A)	110
		Group 2								
		Crane, mobile/ barge mounted (diesel)	CNP 048	112	2	100%	-5	Movable Barrier	110	
							Total SWL, dB (A)	110		
							Maximum SWL, dB (A)	110		

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)

[3] More plant have been assumed at the zones near the NSR for conservative approach.

Mitigated Construction Noise Impact

NSR: HT1 (The Harbourside Tower 1)

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			
1) Zone 2																				
Activity 4 - Basement and Underpass																				
Zone 2.1	106	117	-49	3	59	59	59	59	59											
Zone 2.2	106	104	-48	3	60	60	60	60	60											
Zone 2.3	105	204	-54	3	54	54	54	54	54											
Zone 2.4	105	357	-59	3	49	49	49	49	49											
Zone 2.5	105	377	-60	3	49	49	49	49	49											
Zone 2.6	105	258	-56	3	52	52	52	52	52											
Zone 2.7	106	180	-53	3	55	55	55	55	55											
Zone 2.8	106	229	-55	3	53	53	53	53	53											
Activity 5 - Superstructure																				
Zone 2.1	106	116	-49	3	60	60	60	60	60	60	60	60	60	60	60	60	60	60		
Zone 2.2	106	102	-48	3	61	61	61	61	61	61	61	61	61	61	61	61	61	61		
Zone 2.3	105	203	-54	3	54	54	54	54	54	54	54	54	54	54	54	54	54	54		
Zone 2.4	105	357	-59	3	49	49	49	49	49	49	49	49	49	49	49	49	49	49		
Zone 2.5	105	377	-60	3	49	49	49	49	49	49	49	49	49	49	49	49	49	49		
Zone 2.6	105	258	-56	3	52	52	52	52	52	52	52	52	52	52	52	52	52	52		
Zone 2.7	106	179	-53	3	56	56	56	56	56	56	56	56	56	56	56	56	56	56		
Zone 2.8	106	228	-55	3	54	54	54	54	54	54	54	54	54	54	54	54	54	54		
2) Zone 3																				
Activity 5 - Superstructure																				
Activity 5 - Superstructure	109	248	-56	3	56	56	56	56	56	56	56	56	56	56	56	56	56	56		
3) Zone 4																				
Activity 2 - Bored Piling																				
Activity 2 - Bored Piling	119	655	-64	3	58	58	58													
Activity 3 - Excavation																				
Activity 3 - Excavation	118	655	-64	3	57	57	57	57	57	57										
Activity 4 - Basement																				
Activity 4 - Basement	114	655	-64	3	53	53	53	53	53	53										
Activity 5 - Superstructure																				
Activity 5 - Superstructure	117	668	-64	3	55									55	55	55	55	55		
4) Zone 5																				
Activity 1 - Site Formation																				
Activity 1 - Site Formation	119	407	-60	3	62							62	62	62	62	62	62	62		
5) Park Construction - Zone B																				
Activity 1 - Site Formation	106	264	-56	3	53	53	53	53	53	53										
6) Park Construction - Zone C																				
Activity 1 - Site Formation	121	432	-61	3	63							63	63	63	63	63	63	63		
7) Flyover																				
Activity 1 - Site Formation	106	287	-57	3	52	52	52	52												
8) East Concrete Batching Plant (Demolition)																				
Activity 1 - Site Formation	97	461	-61	3	39	39	39	39												
9) West Concrete Batching Plant (Operation)																				
Activity 1 - Site Formation	113	506	-62	3	54	54	54	54	54	54	54	54	54	54	54	54	54	54		
10) West Pier (Optional)																				
Activity 1 - Site Formation	112	846	-67	3	49	49	49	49	49	49	49	49	49	49	49	49	49	49		
11) South Pier (Optional)																				
Activity 1 - Site Formation	112	347	-59	3	57	57	57	57	57	57	57	57	57	57	57	57	57	57		
12) Viewing Platform (Optional)																				
Activity 1 - Site Formation	110	342	-59	3	54	54	54	54	54	54	54	54	54	54	54	54	54	54		
Predicted Noise Level of this Project, dB (A)																2017		2018		
																Min	Max	Min	Max	
																70	70	69	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.

Mitigated 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											
1) Zone 2																												
Activity 4 - Basement and Underpass																												
Zone 2.1	106	113	-49	3	59	59	59	59	59																			
Zone 2.2	106	170	-53	3	56	56	56	56	56																			
Zone 2.3	105	303	-58	3	51	51	51	51	51																			
Zone 2.4	105	447	-61	3	47	47	47	47	47																			
Zone 2.5	105	457	-61	3	47	47	47	47	47																			
Zone 2.6	105	342	-59	3	50	50	50	50	50																			
Zone 2.7	106	229	-55	3	53	53	53	53	53																			
Zone 2.8	106	209	-54	3	54	54	54	54	54																			
Activity 5 - Superstructure																												
Zone 2.1	106	111	-49	3	60	60	60	60	60	60	60	60	60	60	60	60	60											
Zone 2.2	106	169	-53	3	57	57	57	57	57	57	57	57	57	57	57	57	57											
Zone 2.3	105	302	-58	3	50	50	50	50	50	50	50	50	50	50	50	50	50											
Zone 2.4	105	446	-61	3	47	47	47	47	47	47	47	47	47	47	47	47	47											
Zone 2.5	105	456	-61	3	47	47	47	47	47	47	47	47	47	47	47	47	47											
Zone 2.6	105	342	-59	3	49	49	49	49	49	49	49	49	49	49	49	49	49											
Zone 2.7	106	228	-55	3	54	54	54	54	54	54	54	54	54	54	54	54	54											
Zone 2.8	106	208	-54	3	55	55	55	55	55	55	55	55	55	55	55	55	55											
2) Zone 3																												
Activity 5 - Superstructure																												
Activity 5 - Superstructure	109	179	-53	3	59	59	59	59	59	59	59	59	59	59	59	59	59											
3) Zone 4																												
Activity 2 - Bored Piling																												
Activity 2 - Bored Piling	119	564	-63	3	59	59	59																					
Activity 3 - Excavation																												
Activity 3 - Excavation	118	564	-63	3	58	58	58	58	58	58																		
Activity 4 - Basement																												
Activity 4 - Basement	114	564	-63	3	54	54	54	54	54	54	54																	
Activity 5 - Superstructure																												
Activity 5 - Superstructure	117	577	-63	3	57									57	57	57	57											
4) Zone 5																												
Activity 1 - Site Formation																												
Activity 1 - Site Formation	119	321	-58	3	64							64	64	64	64	64	64											
5) Park Construction - Zone B																												
Activity 5 - Superstructure	106	283	-57	3	52	52	52	52	52	52	52																	
6) Park Construction - Zone C																												
Activity 5 - Superstructure	121	337	-59	3	65							65	65	65	65	65	65											
7) Flyover																												
Activity 5 - Superstructure	106	198	-54	3	55	55	55	55																				
8) East Concrete Batching Plant (Demolition)																												
Activity 5 - Superstructure	97	554	-63	3	37	37	37																					
9) West Concrete Batching Plant (Operation)																												
Activity 5 - Superstructure	113	419	-60	3	56	56	56	56	56	56	56	56	56	56	56	56	56											
10) West Pier (Optional)																												
Activity 5 - Superstructure	112	756	-66	3	50	50	50	50	50	50	50	50	50	50	50	50	50											
11) South Pier (Optional)																												
Activity 5 - Superstructure	112	327	-58	3	57	57	57	57	57	57	57	57	57	57	57	57	57											
12) Viewing Platform (Optional)																												
Activity 5 - Superstructure	110	412	-60	3	53	53	53	53	53	53	53	53	53	53	53	53	53											
Predicted Noise Level of this Project, dB (A)															69	69	69	69	67	67	70	70	70	70	70	70	70	70
															2017		2018											
															Min	Max	Min	Max										
															67	70	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.

Mitigated Construction Noise Impact

NSR: AST (The Arch - Sun Tower)

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														
1) Zone 2																															
Activity 4 - Basement and Underpass																															
Zone 2.1	106	179	-53	3	55	55	55	55	55																						
Zone 2.2	106	94	-47	3	61	61	61	61	61																						
Zone 2.3	105	141	-51	3	57	57	57	57	57																						
Zone 2.4	105	258	-56	3	52	52	52	52	52																						
Zone 2.5	105	303	-58	3	51	51	51	51	51																						
Zone 2.6	105	204	-54	3	54	54	54	54	54																						
Zone 2.7	106	189	-54	3	55	55	55	55	55																						
Zone 2.8	106	283	-57	3	52	52	52	52	52																						
Activity 5 - Superstructure																															
Zone 2.1	106	178	-53	3	56	56	56	56	56	56	56	56	56	56	56	56	56														
Zone 2.2	106	92	-47	3	62	62	62	62	62	62	62	62	62	62	62	62	62														
Zone 2.3	106	139	-51	3	58	58	58	58	58	58	58	58	58	58	58	58	58														
Zone 2.4	105	257	-56	3	52	52	52	52	52	52	52	52	52	52	52	52	52														
Zone 2.5	105	302	-58	3	50	50	50	50	50	50	50	50	50	50	50	50	50														
Zone 2.6	105	203	-54	3	54	54	54	54	54	54	54	54	54	54	54	54	54														
Zone 2.7	106	188	-53	3	56	56	56	56	56	56	56	56	56	56	56	56	56														
Zone 2.8	105	282	-57	3	51	51	51	51	51	51	51	51	51	51	51	51	51														
2) Zone 3																															
Activity 5 - Superstructure	109	377	-60	3	52	52	52	52	52	52	52	52	52	52	52	52	52														
3) Zone 4																															
Activity 2 - Bored Piling	119	746	-65	3	57	57	57																								
Activity 3 - Excavation	118	746	-65	3	56	56	56	56	56	56	56																				
Activity 4 - Basement	114	746	-65	3	52	52	52	52	52	52	52																				
Activity 5 - Superstructure	117	610	-64	3	56									56	56	56	56														
4) Zone 5																															
Activity 1 - Site Formation	119	498	-62	3	60								60	60	60	60	60														
5) Park Construction - Zone B																															
Activity 1 - Site Formation	106	262	-56	3	53	53	53	53	53	53	53																				
6) Park Construction - Zone C																															
Activity 1 - Site Formation	121	542	-63	3	61								61	61	61	61	61														
7) Flyover																															
Activity 1 - Site Formation	106	379	-60	3	49	49	49	49																							
8) East Concrete Batching Plant (Demolition)																															
Activity 1 - Site Formation	97	377	-60	3	40	40	40	40																							
9) West Concrete Batching Plant (Operation)																															
Activity 1 - Site Formation	113	598	-64	3	53	53	53	53	53	53	53	53	53	53	53	53	53														
10) West Pier (Optional)																															
Activity 1 - Site Formation	112	936	-67	3	48	48	48	48	48	48	48	48	48	48	48	48	48														
11) South Pier (Optional)																															
Activity 1 - Site Formation	112	396	-60	3	55	55	55	55	55	55	55	55	55	55	55	55	55														
12) Viewing Platform (Optional)																															
Activity 1 - Site Formation	110	297	-57	3	56	56	56	56	56	56	56	56	56	56	56	56	56														
Predicted Noise Level of this Project, dB (A)															70	70	69	69	67	67	69	69	69	69	69	69	69	69	69	69	69
															2017		2018														
															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.

Mitigated 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											
1) Zone 2																												
Activity 4 - Basement and Underpass																												
Zone 2.1	106	622	-64	3	45	45	45	45	45																			
Zone 2.2	106	455	-61	3	47	47	47	47	47																			
Zone 2.3	105	304	-58	3	51	51	51	51	51																			
Zone 2.4	105	159	-52	3	56	56	56	56	56																			
Zone 2.5	105	225	-55	3	53	53	53	53	53																			
Zone 2.6	105	331	-58	3	50	50	50	50	50																			
Zone 2.7	106	492	-62	3	47	47	47	47	47																			
Zone 2.8	106	664	-64	3	44	44	44	44	44																			
Activity 5 - Superstructure																												
Zone 2.1	105	621	-64	3	44	44	44	44	44	44	44	44	44	44	44	44	44											
Zone 2.2	105	454	-61	3	47	47	47	47	47	47	47	47	47	47	47	47	47											
Zone 2.3	106	303	-58	3	52	52	52	52	52	52	52	52	52	52	52	52	52											
Zone 2.4	106	158	-52	3	57	57	57	57	57	57	57	57	57	57	57	57	57											
Zone 2.5	106	224	-55	3	54	54	54	54	54	54	54	54	54	54	54	54	54											
Zone 2.6	106	330	-58	3	51	51	51	51	51	51	51	51	51	51	51	51	51											
Zone 2.7	105	492	-62	3	46	46	46	46	46	46	46	46	46	46	46	46	46											
Zone 2.8	105	664	-64	3	44	44	44	44	44	44	44	44	44	44	44	44	44											
2) Zone 3																												
Activity 5 - Superstructure	109	821	-66	3	45	45	45	45	45	45	45	45	45	45	45	45	45											
3) Zone 4																												
Activity 2 - Bored Piling	119	1206	-70	3	52	52	52																					
Activity 3 - Excavation	118	1206	-70	3	51	51	51	51	51	51	51																	
Activity 4 - Basement	114	1206	-70	3	48	48	48	48	48	48	48																	
Activity 5 - Superstructure	117	1217	-70	3	50								50	50	50	50	50											
4) Zone 5																												
Activity 1 - Site Formation	119	981	-68	3	54							54	54	54	54	54	54											
5) Park Construction - Zone B																												
Activity 1 - Site Formation	106	251	-56	3	53	53	53	53	53	53	53																	
6) Park Construction - Zone C																												
Activity 1 - Site Formation	121	966	-68	3	56							56	56	56	56	56	56											
7) Flyover																												
Activity 1 - Site Formation	106	837	-66	3	42	42	42																					
8) East Concrete Batching Plant (Demolition)																												
Activity 1 - Site Formation	97	165	-52	3	48	48	48	48	48	48	48	48	48	48	48	48	48											
9) West Concrete Batching Plant (Operation)																												
Activity 1 - Site Formation	113	1056	-68	3	48	48	48	48	48	48	48	48	48	48	48	48	48											
10) West Pier (Optional)																												
Activity 1 - Site Formation	112	1391	-71	3	45	45	45	45	45	45	45	45	45	45	45	45	45											
11) South Pier (Optional)																												
Activity 1 - Site Formation	112	771	-66	3	50	50	50	50	50	50	50	50	50	50	50	50	50											
12) Viewing Platform (Optional)																												
Activity 1 - Site Formation	110	447	-61	3	52	52	52	52	52	52	52	52	52	52	52	52	52											
Predicted Noise Level of this Project, dB (A)															65	65	65	65	63	63	64	64	64	64	64	64	64	64
															2017		2018											
															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.

Mitigated 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,	Calculated SPL,	2017												2018		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 2																				
Activity 4 - Basement and Underpass																				
Zone 2.1	106	695	-65	3	44	44	44	44	44											
Zone 2.2	106	525	-62	3	46	46	46	46	46											
Zone 2.3	105	370	-59	3	49	49	49	49	49											
Zone 2.4	105	225	-55	3	53	53	53	53	53											
Zone 2.5	105	260	-56	3	52	52	52	52	52											
Zone 2.6	105	405	-60	3	48	48	48	48	48											
Zone 2.7	106	570	-63	3	45	45	45	45	45											
Zone 2.8	106	750	-66	3	43	43	43	43	43											
Activity 5 - Superstructure																				
Zone 2.1	105	695	-65	3	43	43	43	43	43	43	43	43	43	43	43	43	43			
Zone 2.2	105	525	-62	3	46	46	46	46	46	46	46	46	46	46	46	46	46			
Zone 2.3	106	370	-59	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
Zone 2.4	106	225	-55	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
Zone 2.5	106	260	-56	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
Zone 2.6	106	405	-60	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
Zone 2.7	105	570	-63	3	45	45	45	45	45	45	45	45	45	45	45	45	45			
Zone 2.8	105	750	-66	3	43	43	43	43	43	43	43	43	43	43	43	43	43			
2) Zone 3																				
Activity 5 - Superstructure	109	915	-67	3	45	45	45	45	45	45	45	45	45	45	45	45	45			
3) Zone 4																				
Activity 2 - Bored Piling	119	1296	-70	3	52	52	52													
Activity 3 - Excavation	118	1296	-70	3	51	51	51	51	51	51	51									
Activity 4 - Basement	114	1296	-70	3	47	47	47	47	47	47	47									
Activity 5 - Superstructure	117	1302	-70	3	50								50	50	50	50	50			
4) Zone 5																				
Activity 1 - Site Formation	119	1040	-68	3	54							54	54	54	54	54	54			
5) Park Construction - Zone B	106	282	-57	3	52	52	52	52	52	52	52									
6) Park Construction - Zone C	121	1054	-68	3	55							55	55	55	55	55	55			
7) Flyover	106	922	-67	3	41	41	41	41												
8) East Concrete Batching Plant (Demolition)	97	215	-55	3	45	45	45	45												
9) West Concrete Batching Plant (Operation)	113	1140	-69	3	47	47	47	47	47	47	47	47	47	47	47	47	47			
10) West Pier (Optional)	112	1475	-71	3	44	44	44	44	44	44	44	44	44	44	44	44	44			
11) South Pier (Optional)	112	845	-67	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
12) Viewing Platform (Optional)	110	508	-62	3	51	51	51	51	51	51	51	51	51	51	51	51	51			
Predicted Noise Level of this Project, dB (A)																2017		2018		
																Min	Max	Min	Max	
																63	63	63	62	

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.

Mitigated Construction Noise Impact

NSR: VT1 (The Victoria Towers - Tower 1)

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														
1) Zone 2																															
Activity 4 - Basement and Underpass																															
Zone 2.1	106	677	-65	3	44	44	44	44	44																						
Zone 2.2	106	502	-62	3	47	47	47	47	47																						
Zone 2.3	105	343	-59	3	49	49	49	49	49																						
Zone 2.4	105	206	-54	3	54	54	54	54	54																						
Zone 2.5	105	196	-54	3	54	54	54	54	54																						
Zone 2.6	105	353	-59	3	49	49	49	49	49																						
Zone 2.7	106	517	-62	3	46	46	46	46	46																						
Zone 2.8	106	717	-65	3	43	43	43	43	43																						
Activity 5 - Superstructure																															
Zone 2.1	105	676	-65	3	43	43	43	43	43	43	43	43	43	43	43	43	43														
Zone 2.2	105	502	-62	3	46	46	46	46	46	46	46	46	46	46	46	46	46														
Zone 2.3	106	343	-59	3	51	51	51	51	51	51	51	51	51	51	51	51	51														
Zone 2.4	106	205	-54	3	55	55	55	55	55	55	55	55	55	55	55	55	55														
Zone 2.5	106	195	-54	3	56	56	56	56	56	56	56	56	56	56	56	56	56														
Zone 2.6	106	353	-59	3	50	50	50	50	50	50	50	50	50	50	50	50	50														
Zone 2.7	105	517	-62	3	46	46	46	46	46	46	46	46	46	46	46	46	46														
Zone 2.8	105	716	-65	3	43	43	43	43	43	43	43	43	43	43	43	43	43														
2) Zone 3																															
Activity 5 - Superstructure	109	901	-67	3	45	45	45	45	45	45	45	45	45	45	45	45	45														
3) Zone 4																															
Activity 2 - Bored Piling	119	1271	-70	3	52	52	52																								
Activity 3 - Excavation	118	1271	-70	3	51	51	51	51	51	51	51																				
Activity 4 - Basement	114	1271	-70	3	47	47	47	47	47	47	47																				
Activity 5 - Superstructure	117	1284	-70	3	50									50	50	50	50														
4) Zone 5																															
Activity 1 - Site Formation	119	1021	-68	3	54								54	54	54	54	54														
5) Park Construction - Zone B																															
Activity 1 - Site Formation	106	178	-53	3	56	56	56	56	56	56	56																				
6) Park Construction - Zone C																															
Activity 1 - Site Formation	121	1060	-69	3	55								55	55	55	55	55														
7) Flyover																															
Activity 1 - Site Formation	106	914	-67	3	41	41	41	41																							
8) East Concrete Batching Plant (Demolition)																															
Activity 1 - Site Formation	97	158	-52	3	48	48	48	48																							
9) West Concrete Batching Plant (Operation)																															
Activity 1 - Site Formation	113	1136	-69	3	47	47	47	47	47	47	47	47	47	47	47	47	47														
10) West Pier (Optional)																															
Activity 1 - Site Formation	112	1451	-71	3	44	44	44	44	44	44	44	44	44	44	44	44	44														
11) South Pier (Optional)																															
Activity 1 - Site Formation	112	786	-66	3	50	50	50	50	50	50	50	50	50	50	50	50	50														
12) Viewing Platform (Optional)																															
Activity 1 - Site Formation	110	422	-61	3	53	53	53	53	53	53	53	53	53	53	53	53	53														
Predicted Noise Level of this Project, dB (A)															65	65	65	64	63	63	63	63	63	63	63	63	63	63	63	63	63
															2017		2018														
															Min	Max	Min	Max													
															63	65	63	63													

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.

Mitigated 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														
1) Zone 2																															
Activity 4 - Basement and Underpass																															
Zone 2.1	106	685	-65	3	44	44	44	44	44																						
Zone 2.2	106	505	-62	3	46	46	46	46	46																						
Zone 2.3	105	355	-59	3	49	49	49	49	49																						
Zone 2.4	105	205	-54	3	54	54	54	54	54																						
Zone 2.5	105	165	-52	3	56	56	56	56	56																						
Zone 2.6	105	350	-59	3	49	49	49	49	49																						
Zone 2.7	106	515	-62	3	46	46	46	46	46																						
Zone 2.8	106	720	-65	3	43	43	43	43	43																						
Activity 5 - Superstructure																															
Zone 2.1	105	685	-65	3	43	43	43	43	43	43	43	43	43	43	43	43	43														
Zone 2.2	105	505	-62	3	46	46	46	46	46	46	46	46	46	46	46	46	46														
Zone 2.3	106	355	-59	3	50	50	50	50	50	50	50	50	50	50	50	50	50														
Zone 2.4	106	205	-54	3	55	55	55	55	55	55	55	55	55	55	55	55	55														
Zone 2.5	106	165	-52	3	57	57	57	57	57	57	57	57	57	57	57	57	57														
Zone 2.6	106	350	-59	3	50	50	50	50	50	50	50	50	50	50	50	50	50														
Zone 2.7	105	515	-62	3	46	46	46	46	46	46	46	46	46	46	46	46	46														
Zone 2.8	105	720	-65	3	43	43	43	43	43	43	43	43	43	43	43	43	43														
2) Zone 3																															
Activity 5 - Superstructure	109	905	-67	3	45	45	45	45	45	45	45	45	45	45	45	45	45														
3) Zone 4																															
Activity 2 - Bored Piling	119	1279	-70	3	52	52	52																								
Activity 3 - Excavation	118	1279	-70	3	51	51	51	51	51	51	51																				
Activity 4 - Basement	114	1279	-70	3	47	47	47	47	47	47	47	47																			
Activity 5 - Superstructure	117	1292	-70	3	50								50	50	50	50	50														
4) Zone 5																															
Activity 1 - Site Formation	119	1022	-68	3	54							54	54	54	54	54	54														
5) Park Construction - Zone B																															
Activity 1 - Site Formation	106	150	-51	3	58	58	58	58	58	58	58																				
6) Park Construction - Zone C																															
Activity 1 - Site Formation	121	1079	-69	3	55							55	55	55	55	55	55														
7) Flyover																															
Activity 1 - Site Formation	106	927	-67	3	41	41	41	41																							
8) East Concrete Batching Plant (Demolition)																															
Activity 1 - Site Formation	97	160	-52	3	48	48	48	48																							
9) West Concrete Batching Plant (Operation)																															
Activity 1 - Site Formation	113	1150	-69	3	47	47	47	47	47	47	47	47	47	47	47	47	47														
10) West Pier (Optional)																															
Activity 1 - Site Formation	112	1455	-71	3	44	44	44	44	44	44	44	44	44	44	44	44	44														
11) South Pier (Optional)																															
Activity 1 - Site Formation	112	780	-66	3	50	50	50	50	50	50	50	50	50	50	50	50	50														
12) Viewing Platform (Optional)																															
Activity 1 - Site Formation	110	398	-60	3	53	53	53	53	53	53	53	53	53	53	53	53	53														
Predicted Noise Level of this Project, dB (A)															65	65	65	65	64	64	63	63	63	63	63	63	63	63	63	63	63
															2017		2018														
															Min	Max	Min	Max													
															63	65	63	63													

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.

Mitigated Construction Noise Impact

NSR: FQ (Fire Services Department Staff Quarter)

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															
1) Zone 2																																
Activity 4 - Basement and Underpass																																
Zone 2.1	106	581	-63	3	45	45	45	45	45																							
Zone 2.2	106	416	-60	3	48	48	48	48	48																							
Zone 2.3	105	256	-56	3	52	52	52	52	52																							
Zone 2.4	105	108	-49	3	60	60	60	60	60																							
Zone 2.5	105	70	-45	3	63	63	63	63	63																							
Zone 2.6	105	251	-56	3	52	52	52	52	52																							
Zone 2.7	106	411	-60	3	48	48	48	48	48																							
Zone 2.8	106	611	-64	3	45	45	45	45	45																							
Activity 5 - Superstructure																																
Zone 2.1	105	580	-63	3	45	45	45	45	45	45	45	45	45	45	45	45	45															
Zone 2.2	105	415	-60	3	48	48	48	48	48	48	48	48	48	48	48	48	48															
Zone 2.3	106	256	-56	3	53	53	53	53	53	53	53	53	53	53	53	53	53															
Zone 2.4	106	112	-49	3	60	60	60	60	60	60	60	60	60	60	60	60	60															
Zone 2.5	106	68	-45	3	65	65	65	65	65	65	65	65	65	65	65	65	65															
Zone 2.6	106	251	-56	3	53	53	53	53	53	53	53	53	53	53	53	53	53															
Zone 2.7	105	411	-60	3	48	48	48	48	48	48	48	48	48	48	48	48	48															
Zone 2.8	105	610	-64	3	44	44	44	44	44	44	44	44	44	44	44	44	44															
2) Zone 3																																
Activity 5 - Superstructure	109	800	-66	3	46	46	46	46	46	46	46	46	46	46	46	46	46															
3) Zone 4																																
Activity 2 - Bored Piling	119	1179	-69	3	53	53	53																									
Activity 3 - Excavation	118	1179	-69	3	52	52	52	52	52	52	52																					
Activity 4 - Basement	114	1179	-69	3	48	48	48	48	48	48	48																					
Activity 5 - Superstructure	117	1192	-70	3	50								50	50	50	50	50															
4) Zone 5																																
Activity 1 - Site Formation	119	923	-67	3	55							55	55	55	55	55	55															
5) Park Construction - Zone B																																
Activity 1 - Site Formation	106	72	-45	3	64	64	64	64	64	64	64																					
6) Park Construction - Zone C																																
Activity 1 - Site Formation	121	982	-68	3	56							56	56	56	56	56	56															
7) Flyover																																
Activity 1 - Site Formation	106	828	-66	3	42	42	42	42																								
8) East Concrete Batching Plant (Demolition)																																
Activity 1 - Site Formation	97	68	-45	3	55	55	55	55																								
9) West Concrete Batching Plant (Operation)																																
Activity 1 - Site Formation	113	1050	-68	3	48	48	48	48	48	48	48	48	48	48	48	48	48															
10) West Pier (Optional)																																
Activity 1 - Site Formation	112	1350	-71	3	45	45	45	45	45	45	45	45	45	45	45	45	45															
11) South Pier (Optional)																																
Activity 1 - Site Formation	112	680	-65	3	51	51	51	51	51	51	51	51	51	51	51	51	51															
12) Viewing Platform (Optional)																																
Activity 1 - Site Formation	110	291	-57	3	56	56	56	56	56	56	56	56	56	56	56	56	56															
Predicted Noise Level of this Project, dB (A)																71	71	71	71	69	69	68	68	68	68	68	68	68	68	68	68	68
																2017		2018														
																Min	Max	Min	Max													
																68	71	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.

Mitigated 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														
1) Zone 2																															
Activity 4 - Basement and Underpass																															
Zone 2.1	106	829	-66	3	42	42	42	42	42																						
Zone 2.2	106	660	-64	3	44	44	44	44	44																						
Zone 2.3	105	500	-62	3	46	46	46	46	46																						
Zone 2.4	105	350	-59	3	49	49	49	49	49																						
Zone 2.5	105	345	-59	3	49	49	49	49	49																						
Zone 2.6	105	501	-62	3	46	46	46	46	46																						
Zone 2.7	106	673	-65	3	44	44	44	44	44																						
Zone 2.8	106	866	-67	3	42	42	42	42	42																						
Activity 5 - Superstructure																															
Zone 2.1	105	829	-66	3	42	42	42	42	42	42	42	42	42	42	42	42	42														
Zone 2.2	105	659	-64	3	44	44	44	44	44	44	44	44	44	44	44	44	44														
Zone 2.3	106	499	-62	3	47	47	47	47	47	47	47	47	47	47	47	47	47														
Zone 2.4	106	350	-59	3	50	50	50	50	50	50	50	50	50	50	50	50	50														
Zone 2.5	106	345	-59	3	51	51	51	51	51	51	51	51	51	51	51	51	51														
Zone 2.6	106	501	-62	3	47	47	47	47	47	47	47	47	47	47	47	47	47														
Zone 2.7	105	672	-65	3	44	44	44	44	44	44	44	44	44	44	44	44	44														
Zone 2.8	105	866	-67	3	41	41	41	41	41	41	41	41	41	41	41	41	41														
2) Zone 3																															
Activity 5 - Superstructure	109	377	-60	3	52	52	52	52	52	52	52	52	52	52	52	52	52														
3) Zone 4																															
Activity 2 - Bored Piling	119	714	-65	3	57	57	57																								
Activity 3 - Excavation	118	714	-65	3	56	56	56	56	56	56	56																				
Activity 4 - Basement	114	714	-65	3	52	52	52	52	52	52	52																				
Activity 5 - Superstructure	117	727	-65	3	55								55	55	55	55	55														
4) Zone 5																															
Activity 1 - Site Formation	119	471	-61	3	61							61	61	61	61	61	61														
5) Park Construction - Zone B																															
Activity 1 - Site Formation	106	433	-61	3	48	48	48	48	48	48	48																				
6) Park Construction - Zone C																															
Activity 1 - Site Formation	121	487	-62	3	62							62	62	62	62	62	62														
7) Flyover																															
Activity 1 - Site Formation	106	318	-58	3	51	51	51	51																							
8) East Concrete Batching Plant (Demolition)																															
Activity 1 - Site Formation	97	704	-65	3	35	35	35	35																							
9) West Concrete Batching Plant (Operation)																															
Activity 1 - Site Formation	113	452	-61	3	55	55	55	55	55	55	55	55	55	55	55	55	55														
10) West Pier (Optional)																															
Activity 1 - Site Formation	112	826	-66	3	49	49	49	49	49	49	49	49	49	49	49	49	49														
11) South Pier (Optional)																															
Activity 1 - Site Formation	112	477	-62	3	54	54	54	54	54	54	54	54	54	54	54	54	54														
12) Viewing Platform (Optional)																															
Activity 1 - Site Formation	110	562	-63	3	50	50	50	50	50	50	50	50	50	50	50	50	50														
Predicted Noise Level of this Project, dB (A)															65	65	64	64	63	63	66	66	66	66	66	66	66	66	66	66	66
															2017		2018														
															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.