

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)		
1	<b>Zone 2</b>									
	<b>Activity 5 - Superstructure</b>									
	<b>Group 1</b>									
	Crane, tower (electric)	CNP 049	95	4	50%			98		
	Crane, mobile	EPD-01516	101	6	50%	-5	Movable Barrier	101		
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	6	50%	-5	Movable Barrier	105		
	Concrete pump, stationary/ lorry mounted	CNP 047	109	6	50%	-10	Movable Barrier	104		
	Poker, vibratory, hand-held (electric)	[1]	102	30	50%	-10	Movable Barrier	104		
	Bar bender and cutter (electric)	CNP 021	90	6	50%	-10	Movable Barrier	85		
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	6	100%	-15	Enclosure	88		
	Air compressor, air flow > 30m3/min	CNP 003	104	4	100%	-15	Enclosure	95		
	Concrete lorry mixer	CNP 044	109	4	50%	-5	Movable Barrier	107		
	Total SWL, dB (A)								112	
	<b>Group 2</b>									
	Drill/grinder, hand-held (electric)	CNP 065	98	15	30%	-10	Movable Barrier	95		
	Water pump (electric)	CNP 281	88	11	30%	-15	Enclosure	78		
	Excavator, wheeled/tracked	EPD-01230	99	11	30%	-5	Movable Barrier	99		
	Fork Lift Truck	[2]	104	11	30%	-5	Movable Barrier	104		
	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)								107	
	Maximum SWL, dB (A) of Activity 5								112	
	2	<b>Zone 4</b>								
		<b>Activity 5 - Superstructure</b>								
		Crane, tower (electric)	CNP 049	95	4	50%			98	
		Crane, mobile/ barge mounted (diesel)	CNP 048	112	8	50%	-5	Movable Barrier	113	
		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%	-15	Enclosure	79		
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)								118		
3		<b>Zone 5</b>								
		<b>Activity 1 - Site Formation</b>								
		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
		<b>Activity 2 - Foundation Works</b>								
		Crane, mobile	EPD-01516	101	2	60%	-5	Movable Barrier	97	
		Excavator/ loader, wheeled/ tracked	CNP 081	112	2	30%	-5	Movable Barrier	105	
		Piling Rig	[2]	112	2	60%	-10	Fabric	103	
		Drill Rig	[1]	110	2	60%	-10	Fabric	101	
	Excavator/ loader, wheeled/ tracked	CNP 081	112	2	60%			113		
	Piling, large diameter bored, grab and chisel	CNP 164	115	2	60%	-10	Fabric	106		
	Piling, large diameter bored, reverse circulation drill	CNP 166	100	2	60%	-10	Fabric	91		
	Piling, large diameter bored, oscillator	CNP 165	115	2	60%	-10	Fabric	106		
	Air compressor, air flow > 30m3/min	CNP 003	104	2	100%	-15	Enclosure	92		
	Grout Mixer	[1]	90	2	60%	-10	Movable Barrier	81		
	Grout Pump	[1]	105	2	60%	-10	Movable Barrier	96		
	Bar bender and cutter (electric)	CNP 021	90	2	60%	-10	Movable Barrier	81		
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	2	100%	-15	Enclosure	83		
	Dump truck	CNP 067	117	1	30%	-5	Movable Barrier	107		
	Concrete lorry mixer	CNP 044	109	1	60%	-5	Movable Barrier	102		
	Welding Set	[2]	78	2	60%	-10	Movable Barrier	69		
	Total SWL, dB (A)								116	
	<b>Activity 3 - Superstructure</b>									
	Crane, tower (electric)	CNP 049	95	1	50%			92		
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	2	50%	-5	Movable Barrier	107		
	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	5	30%	-10	Movable Barrier	90		
	Water pump (electric)	CNP 281	88	3	30%	-10	Movable Barrier	78		
	Excavator/ loader, wheeled/ tracked	CNP 081	112	3	30%	-5	Movable Barrier	107		
	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)								112	

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)		
4	<b>Park Construction - Zone C</b>									
	Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	4	60%	-5	Movable Barrier	104		
	Crane, mobile	EPD-01516	101	4	60%	-5	Movable Barrier	100		
	Excavator/ loader, wheeled/ tracked	CNP 081	112	4	60%	-5	Movable Barrier	111		
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	4	100%	-15	Enclosure	86		
	Lorry	CNP 141	112	4	60%	-5	Movable Barrier	111		
								Total SWL, dB (A)	114	
5	<b>West Concrete Batching Plant (Operation)</b>									
	Excavator/ loader, wheeled/ tracked	CNP 081	112	2	60%			113		
	Concrete mixer (electric)	CNP 045	96	2	60%			97		
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	4	60%			99		
	Concrete mixer (petrol)	CNP 046	96	6	60%			102		
	Concrete lorry mixer	CNP 044	109	4	60%			113		
	Batching plant	CNP 022	108	2	60%			109		
	Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	4	60%			106		
	Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	2	30%			103		
								Total SWL, dB (A)	117	
6/7	<b>Pier Construction (Optional)</b>									
	<b>Group 1</b>									
	Piling, large diameter bored, reverse circulation drill	CNP 166	100	1	100%			100		
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	60%			110		
	Tug boat	CNP 221	110	1	60%			108		
								Total SWL, dB (A)	112	
	<b>Group 2</b>									
	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%			105		
	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)	113	
	<b>Group 3</b>									
	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%			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%	-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%			107		
	Tug boat	CNP 221	110	1	60%			108		
								Total SWL, dB (A)	114	
								Maximum SWL, dB (A)	114	
	8	<b>Viewing Platform (Optional)</b>								
		<b>Group 1</b>								
		Piling, large diameter bored, reverse circulation drill	CNP 166	100	1	100%			100	
		Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	80%	-5	Movable Barrier	106	
		Tug boat	CNP 221	110	1	60%			108	
									Total SWL, dB (A)	110
		<b>Group 2</b>								
		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](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)

**Mitigated 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			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	112	87	-47	3	68	68	68	68	68	68	68	68	68	68	68	68	68			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	118	668	-64	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
<b>3) Zone 5</b>																				
Activity 1 - Site Formation	119	407	-60	3	62	62														
Activity 2 - Foundation Works	116	407	-60	3	59		59	59	59	59	59	59	59							
Activity 3 - Superstructure	112	407	-60	3	55									55	55	55	55			
<b>4) Park Construction - Zone C</b>	114	432	-61	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
<b>5) West Concrete Batching Plant (Operation)</b>	117	506	-62	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
<b>6) West Pier (Optional)</b>	114	846	-67	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
<b>7) South Pier (Optional)</b>	114	347	-59	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
<b>8) Floating 'Art' Pontoons (Optional)</b>	110	342	-59	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
<b>Predicted Noise Level of this Project, dB (A)</b>						70	70	70	70	70	70	70	70	70	70	70	70			
															<b>2018</b>		<b>2019</b>			
															Min	Max	Min	Max		
															70	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: 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			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	112	140	-51	3	64	64	64	64	64	64	64	64	64	64	64	64	64			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	118	577	-63	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
<b>3) Zone 5</b>																				
Activity 1 - Site Formation	119	321	-58	3	64	64														
Activity 2 - Foundation Works	116	321	-58	3	61		61	61	61	61	61	61	61							
Activity 3 - Superstructure	112	321	-58	3	57										57	57	57			
<b>4) Park Construction - Zone C</b>	114	337	-59	3	59	59	59	59	59	59	59	59	59	59	59	59	59			
<b>5) West Concrete Batching Plant (Operation)</b>	117	419	-60	3	60	60	60	60	60	60	60	60	60	60	60	60	60			
<b>6) West Pier (Optional)</b>	114	756	-66	3	51	51	51	51	51	51	51	51	51	51	51	51	51			
<b>7) South Pier (Optional)</b>	114	327	-58	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
<b>8) Floating 'Art' Pontoons (Optional)</b>	110	412	-60	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
<b>Predicted Noise Level of this Project, dB (A)</b>						69	68	68	68	68	68	68	68	68	68	68	68	68		
															<b>2018</b>		<b>2019</b>			
															Min	Max	Min	Max		
															68	69	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: 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			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	112	104	-48	3	66	66	66	66	66	66	66	66	66	66	66	66	66			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	118	610	-64	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
<b>3) Zone 5</b>																				
Activity 1 - Site Formation	119	498	-62	3	60	60														
Activity 2 - Foundation Works	116	498	-62	3	57		57	57	57	57	57	57	57							
Activity 3 - Superstructure	112	498	-62	3	53									53	53	53	53			
<b>4) Park Construction - Zone C</b>																				
Activity 3 - Superstructure	114	542	-63	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
<b>5) West Concrete Batching Plant (Operation)</b>																				
Activity 3 - Superstructure	117	598	-64	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
<b>6) West Pier (Optional)</b>																				
Activity 3 - Superstructure	114	936	-67	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
<b>7) South Pier (Optional)</b>																				
Activity 3 - Superstructure	114	396	-60	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
<b>8) Floating 'Art' pontoons (Optional)</b>																				
Activity 3 - Superstructure	110	297	-57	3	56	56	56	56	56	56	56	56	56	56	56	56	56			
<b>Predicted Noise Level of this Project, dB (A)</b>						69	69	69	69	69	69	69	69	69	69	69	69	69		
														<b>2018</b>		<b>2019</b>				
														<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>			
														68	69	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: 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			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	112	216	-55	3	60	60	60	60	60	60	60	60	60	60	60	60	60			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	118	1217	-70	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
<b>3) Zone 5</b>																				
Activity 1 - Site Formation	119	981	-68	3	54	54														
Activity 2 - Foundation Works	116	981	-68	3	51		51	51	51	51	51	51	51							
Activity 3 - Superstructure	112	981	-68	3	47									47	47	47	47			
<b>4) Park Construction - Zone C</b>																				
Activity 3 - Superstructure	114	966	-68	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
<b>5) West Concrete Batching Plant (Operation)</b>																				
Activity 3 - Superstructure	117	1056	-68	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
<b>6) West Pier (Optional)</b>																				
Activity 3 - Superstructure	114	1391	-71	3	46	46	46	46	46	46	46	46	46	46	46	46	46			
<b>7) South Pier (Optional)</b>																				
Activity 3 - Superstructure	114	771	-66	3	51	51	51	51	51	51	51	51	51	51	51	51	51			
<b>8) Floating 'Art' pontoons (Optional)</b>																				
Activity 3 - Superstructure	110	447	-61	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
<b>Predicted Noise Level of this Project, dB (A)</b>						63	63	63	63	63	63	63	63	63	63	63	63			
														<b>2018</b>		<b>2019</b>				
														Min	Max	Min	Max			
														63	63	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: 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				
<b>1) Zone 2</b>																					
Activity 5 - Superstructure	112	255	-56	3	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59		
<b>2) Zone 4</b>																					
Activity 5 - Superstructure	118	1302	-70	3	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51		
<b>3) Zone 5</b>																					
Activity 1 - Site Formation	119	1040	-68	3	54	54															
Activity 2 - Foundation Works	116	1040	-68	3	51		51	51	51	51	51	51	51								
Activity 3 - Superstructure	112	1040	-68	3	47												47	47	47	47	
<b>4) Park Construction - Zone C</b>																					
Activity 3 - Superstructure	114	1054	-68	3	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	
<b>5) West Concrete Batching Plant (Operation)</b>																					
Activity 3 - Superstructure	117	1140	-69	3	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	
<b>6) West Pier (Optional)</b>																					
Activity 3 - Superstructure	114	1475	-71	3	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	
<b>7) South Pier (Optional)</b>																					
Activity 3 - Superstructure	114	845	-67	3	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
<b>8) Floating 'Art' pontoons (Optional)</b>																					
Activity 3 - Superstructure	110	508	-62	3	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	
<b>Predicted Noise Level of this Project, dB (A)</b>						62	62	62	62	62	62	62	62	62	62	62	61	61	61	61	61
															<b>2018</b>		<b>2019</b>				
															<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>			

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 (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				
<b>1) Zone 2</b>																					
Activity 5 - Superstructure	112	259	-56	3	59	59	59	59	59	59	59	59	59	59	59	59	59				
<b>2) Zone 4</b>																					
Activity 5 - Superstructure	118	1284	-70	3	51	51	51	51	51	51	51	51	51	51	51	51	51				
<b>3) Zone 5</b>																					
Activity 1 - Site Formation	119	1021	-68	3	54	54															
Activity 2 - Foundation Works	116	1021	-68	3	51		51	51	51	51	51	51	51								
Activity 3 - Superstructure	112	1021	-68	3	47										47	47	47				
<b>4) Park Construction - Zone C</b>																					
Activity 3 - Superstructure	114	1060	-69	3	49	49	49	49	49	49	49	49	49	49	49	49	49				
<b>5) West Concrete Batching Plant (Operation)</b>																					
Activity 3 - Superstructure	117	1136	-69	3	51	51	51	51	51	51	51	51	51	51	51	51	51				
<b>6) West Pier (Optional)</b>																					
Activity 3 - Superstructure	114	1451	-71	3	45	45	45	45	45	45	45	45	45	45	45	45	45				
<b>7) South Pier (Optional)</b>																					
Activity 3 - Superstructure	114	786	-66	3	51	51	51	51	51	51	51	51	51	51	51	51	51				
<b>8) Floating 'Art' pontoons (Optional)</b>																					
Activity 3 - Superstructure	110	422	-61	3	53	53	53	53	53	53	53	53	53	53	53	53	53				
<b>Predicted Noise Level of this Project, dB (A)</b>																					
																		<b>2018</b>		<b>2019</b>	
																		<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>
																		62	62	62	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: 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			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	112	195	-54	3	61	61	61	61	61	61	61	61	61	61	61	61	61			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	118	1279	-70	3	51	51	51	51	51	51	51	51	51	51	51	51	51			
<b>3) Zone 5</b>																				
Activity 1 - Site Formation	119	1038	-68	3	54	54														
Activity 2 - Foundation Works	116	1038	-68	3	51		51	51	51	51	51	51	51							
Activity 3 - Superstructure	112	1038	-68	3	47										47	47	47			
<b>4) Park Construction - Zone C</b>																				
Activity 3 - Superstructure	114	1071	-69	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
<b>5) West Concrete Batching Plant (Operation)</b>																				
Activity 3 - Superstructure	117	1151	-69	3	51	51	51	51	51	51	51	51	51	51	51	51	51			
<b>6) West Pier (Optional)</b>																				
Activity 3 - Superstructure	114	1471	-71	3	45	45	45	45	45	45	45	45	45	45	45	45	45			
<b>7) South Pier (Optional)</b>																				
Activity 3 - Superstructure	114	816	-66	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
<b>8) Floating 'Art' pontoons (Optional)</b>																				
Activity 3 - Superstructure	110	462	-61	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
<b>Predicted Noise Level of this Project, dB (A)</b>						63	63	63	63	63	63	63	63	63	63	63	63	63		
															<b>2018</b>		<b>2019</b>			
															Min	Max	Min	Max		
															63	63	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 (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			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	112	149	-51	3	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	118	1292	-70	3	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	
<b>3) Zone 5</b>																				
Activity 1 - Site Formation	119	1022	-68	3	54	54														
Activity 2 - Foundation Works	116	1022	-68	3	51		51	51	51	51	51	51	51	51						
Activity 3 - Superstructure	112	1022	-68	3	47											47	47	47	47	
<b>4) Park Construction - Zone C</b>																				
Activity 3 - Superstructure	114	1079	-69	3	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	
<b>5) West Concrete Batching Plant (Operation)</b>																				
Activity 3 - Superstructure	117	1150	-69	3	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	
<b>6) West Pier (Optional)</b>																				
Activity 3 - Superstructure	114	1455	-71	3	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	
<b>7) South Pier (Optional)</b>																				
Activity 3 - Superstructure	114	780	-66	3	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	
<b>8) Floating 'Art' pontoons (Optional)</b>																				
Activity 3 - Superstructure	110	398	-60	3	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	
<b>Predicted Noise Level of this Project, dB (A)</b>						65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
															<b>2018</b>		<b>2019</b>			
															<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>		
															65	65	65	65		

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: 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				
<b>1) Zone 2</b>																					
Activity 5 - Superstructure	112	152	-52	3	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63		
<b>2) Zone 4</b>																					
Activity 5 - Superstructure	118	1298	-70	3	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51		
<b>3) Zone 5</b>																					
Activity 1 - Site Formation	119	1026	-68	3	54	54															
Activity 2 - Foundation Works	116	1026	-68	3	51		51	51	51	51	51	51	51	51							
Activity 3 - Superstructure	112	1026	-68	3	47												47	47	47	47	
<b>4) Park Construction - Zone C</b>																					
Activity 3 - Superstructure	114	1080	-69	3	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	
<b>5) West Concrete Batching Plant (Operation)</b>																					
Activity 3 - Superstructure	117	1155	-69	3	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	
<b>6) West Pier (Optional)</b>																					
Activity 3 - Superstructure	114	1455	-71	3	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	
<b>7) South Pier (Optional)</b>																					
Activity 3 - Superstructure	114	775	-66	3	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	
<b>8) Floating 'Art' pontoons (Optional)</b>																					
Activity 3 - Superstructure	110	400	-60	3	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	
<b>Predicted Noise Level of this Project, dB (A)</b>						65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
															<b>2018</b>		<b>2019</b>				
															<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>			
															64	65	64	64			

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 (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			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	112	54	-43	3	72	72	72	72	72	72	72	72	72	72	72	72	72			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	118	1192	-70	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
<b>3) Zone 5</b>																				
Activity 1 - Site Formation	119	923	-67	3	55	55														
Activity 2 - Foundation Works	116	923	-67	3	52		52	52	52	52	52	52	52							
Activity 3 - Superstructure	112	923	-67	3	48										48	48	48			
<b>4) Park Construction - Zone C</b>																				
Activity 3 - Superstructure	114	982	-68	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
<b>5) West Concrete Batching Plant (Operation)</b>																				
Activity 3 - Superstructure	117	1050	-68	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
<b>6) West Pier (Optional)</b>																				
Activity 3 - Superstructure	114	1350	-71	3	46	46	46	46	46	46	46	46	46	46	46	46	46			
<b>7) South Pier (Optional)</b>																				
Activity 3 - Superstructure	114	680	-65	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
<b>8) Floating 'Art' pontoons (Optional)</b>																				
Activity 3 - Superstructure	110	291	-57	3	56	56	56	56	56	56	56	56	56	56	56	56	56			
<b>Predicted Noise Level of this Project, dB (A)</b>						72	72	72	72	72	72	72	72	72	72	72	72			
															<b>2018</b>		<b>2019</b>			
															<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>		
															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.

**Mitigated 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			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	112	287	-57	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	118	727	-65	3	56	56	56	56	56	56	56	56	56	56	56	56	56			
<b>3) Zone 5</b>																				
Activity 1 - Site Formation	119	470	-61	3	61	61														
Activity 2 - Foundation Works	116	470	-61	3	58		58	58	58	58	58	58								
Activity 3 - Superstructure	112	470	-61	3	54									54	54	54	54			
<b>4) Park Construction - Zone C</b>	114	487	-62	3	56	56	56	56	56	56	56	56	56	56	56	56	56			
<b>5) West Concrete Batching Plant (Operation)</b>	117	451	-61	3	59	59	59	59	59	59	59	59	59	59	59	59	59			
<b>6) West Pier (Optional)</b>	114	826	-66	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
<b>7) South Pier (Optional)</b>	114	476	-62	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
<b>8) Floating 'Art' pontoons (Optional)</b>	110	561	-63	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
<b>Predicted Noise Level of this Project, dB (A)</b>						66	65	65	65	65	65	65	65	65	65	65	65			
														<b>2018</b>		<b>2019</b>				
														Min	Max	Min	Max			
														65	66	65	65			

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: 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			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	112	39	-40	3	75	75	75	75	75	75	75	75	75	75	75	75	75			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	118	1109	-69	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
<b>3) Zone 5</b>																				
Activity 1 - Site Formation	119	845	-67	3	55	55														
Activity 2 - Foundation Works	116	845	-67	3	52		52	52	52	52	52	52	52							
Activity 3 - Superstructure	112	845	-67	3	48									48	48	48	48			
<b>4) Park Construction - Zone C</b>	114	897	-67	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
<b>5) West Concrete Batching Plant (Operation)</b>	117	958	-68	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
<b>6) West Pier (Optional)</b>	114	1265	-70	3	46	46	46	46	46	46	46	46	46	46	46	46	46			
<b>7) South Pier (Optional)</b>	114	606	-64	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
<b>8) Floating 'Art' pontoons (Optional)</b>	110	257	-56	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
<b>Predicted Noise Level of this Project, dB (A)</b>						75	75	75	75	75	75	75	75	75	75	75	75			
														<b>2018</b>		<b>2019</b>				
														Min	Max	Min	Max			
														75	75	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.

**Mitigated 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			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	112	47	-41	3	73	73	73	73	73	73	73	73	73	73	73	73	73			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	118	958	-68	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
<b>3) Zone 5</b>																				
Activity 1 - Site Formation	119	693	-65	3	57	57														
Activity 2 - Foundation Works	116	693	-65	3	54		54	54	54	54	54	54	54							
Activity 3 - Superstructure	112	693	-65	3	50										50	50	50			
<b>4) Park Construction - Zone C</b>	114	759	-66	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
<b>5) West Concrete Batching Plant (Operation)</b>	117	811	-66	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
<b>6) West Pier (Optional)</b>	114	1115	-69	3	48	48	48	48	48	48	48	48	48	48	48	48	48			
<b>7) South Pier (Optional)</b>	114	456	-61	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
<b>8) Floating 'Art' pontoons (Optional)</b>	110	134	-51	3	63	63	63	63	63	63	63	63	63	63	63	63	63			
<b>Predicted Noise Level of this Project, dB (A)</b>						74	74	74	74	74	74	74	74	74	74	74	74			
															<b>2018</b>		<b>2019</b>			
															Min	Max	Min	Max		
															74	74	74	74		

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: 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			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	112	40	-40	3	75	75	75	75	75	75	75	75	75	75	75	75	75			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	118	755	-66	3	56	56	56	56	56	56	56	56	56	56	56	56	56			
<b>3) Zone 5</b>																				
Activity 1 - Site Formation	119	490	-62	3	60	60														
Activity 2 - Foundation Works	116	490	-62	3	57		57	57	57	57	57	57	57							
Activity 3 - Superstructure	112	490	-62	3	53									53	53	53	53			
<b>4) Park Construction - Zone C</b>																				
Activity 3 - Superstructure	114	586	-63	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
<b>5) West Concrete Batching Plant (Operation)</b>																				
Activity 3 - Superstructure	117	626	-64	3	56	56	56	56	56	56	56	56	56	56	56	56	56			
<b>6) West Pier (Optional)</b>																				
Activity 3 - Superstructure	114	910	-67	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
<b>7) South Pier (Optional)</b>																				
Activity 3 - Superstructure	114	257	-56	3	60	60	60	60	60	60	60	60	60	60	60	60	60			
<b>8) Floating 'Art' pontoons (Optional)</b>																				
Activity 3 - Superstructure	110	148	-51	3	62	62	62	62	62	62	62	62	62	62	62	62	62			
<b>Predicted Noise Level of this Project, dB (A)</b>						75	75	75	75	75	75	75	75	75	75	75	75			
														<b>2018</b>		<b>2019</b>				
														Min	Max	Min	Max			
														75	75	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.