

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	3	50%			97	
	Crane, mobile	EPD-01516	101	4	50%	-5	Movable Barrier	99	
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	4	50%	-5	Movable Barrier	103	
	Concrete pump, stationary/ lorry mounted	CNP 047	109	4	50%	-10	Movable Barrier	102	
	Poker, vibratory, hand-held (electric)	[1]	102	16	50%	-10	Movable Barrier	101	
	Bar bender and cutter (electric)	CNP 021	90	4	50%	-10	Movable Barrier	83	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	4	100%	-15	Enclosure	86	
	Air compressor, air flow > 30m3/min	CNP 003	104	4	100%	-15	Enclosure	95	
	Concrete lorry mixer	CNP 044	109	2	50%	-5	Movable Barrier	104	
	Total SWL, dB (A)								110
	<b>Group 1</b>								
	Drill/grinder, hand-held (electric)	CNP 065	98	10	30%	-10	Movable Barrier	93	
	Water pump (electric)	CNP 281	88	8	30%	-15	Enclosure	77	
	Excavator, wheeled/tracked	EPD-01230	99	8	30%	-5	Movable Barrier	98	
	Fork Lift Truck	[2]	104	8	30%	-5	Movable Barrier	103	
	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)								106
	Maximum SWL, dB (A)								110
	2	<b>Zone 4</b>							
		<b>Activity 5 - Superstructure</b>							
		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	8	100%	-15	Enclosure	89	
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)								117	
3		<b>Zone 5</b>							
		<b>Activity 3 - Superstructure</b>							
		Crane, tower (electric)	CNP 049	95	1	50%			92
		Crane, mobile/ barge mounted (diesel)	CNP 048	112	2	50%			112
		Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	2	50%			105
		Concrete pump, stationary/ lorry mounted	CNP 047	109	2	50%			109
		Poker, vibratory, hand-held (electric)	[1]	102	10	50%			109
		Bar bender and cutter (electric)	CNP 021	90	2	50%			90
		Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	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	<b>Park Construction - Zone C</b>							
		Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	4	60%			109
		Crane, mobile	EPD-01516	101	4	60%			105
		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)								119
	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	

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)	
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)							<b>112</b>	
	<b>Group 2</b>								
	Concrete pump, stationary/ lorry mounted	CNP 047	109	2	100%			112	
	Concrete lorry mixer	CNP 044	109	4	60%			113	
	Water pump (electric)	CNP 281	88	4	100%			94	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	2	100%			98	
	Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%			105	
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	60%			110	
	Tug boat	CNP 221	110	1	60%			108	
	Total SWL, dB (A)							<b>117</b>	
	<b>Group 3</b>								
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	60%			110	
	Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%			105	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	2	100%			98	
	Concrete pump, stationary/ lorry mounted	CNP 047	109	2	100%			112	
	Concrete lorry mixer	CNP 044	109	2	60%			110	
	Poker, vibratory, hand-held (electric)	[1]	102	4	80%			107	
	Tug boat	CNP 221	110	1	60%			108	
	Total SWL, dB (A)							<b>117</b>	
	Maximum SWL, dB (A)							<b>117</b>	
	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%			111
		Tug boat	CNP 221	110	1	60%			108
		Total SWL, dB (A)							<b>113</b>
		<b>Group 2</b>							
		Crane, mobile/ barge mounted (diesel)	CNP 048	112	2	100%			115
Total SWL, dB (A)							<b>115</b>		
Maximum SWL, dB (A)							<b>115</b>		

Note: [1] Details extracted from EPD website: [http://www.epd.gov.hk/epd/english/application\\_for\\_licences/guidance/files/OtherSWLe.pdf](http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)

[2] SWL of Welding Plant and Piling Rig are referred to the Appendix 5.1 of approved EIA Report of Hong Kong Section of Guangzhou - Shenzhen - Hong Kong Express Rail Link (AEIAR-143/2009)

**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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	110	155	-52	3	61	61	61	61	61	61	61	61	61	61	61	61	61			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	117	668	-64	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
<b>3) Zone 5</b>																				
Activity 3 - Superstructure	118	407	-60	3	61	61	61	61	61	61	61	61	61	61	61	61	61			
<b>4) Park Construction - Zone C</b>	119	432	-61	3	62	62	62	62	62	62	62									
<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>	117	846	-67	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
<b>7) South Pier (Optional)</b>	117	347	-59	3	62	62	62	62	62	62	62	62	62	62	62	62	62			
<b>8) Viewing Platform (Optional)</b>	115	342	-59	3	59	59	59	59	59	59	59	59	59	59	59	59	59			
<b>Predicted Noise Level of this Project, dB (A)</b>						69	69	69	69	69	69	68	68	68	68	68	68			
															<b>2019</b>		<b>2020</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: 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			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	110	199	-54	3	59	59	59	59	59	59	59	59	59	59	59	59	59			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	117	577	-63	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
<b>3) Zone 5</b>																				
Activity 3 - Superstructure	118	321	-58	3	63	63	63	63	63	63	63	63	63	63	63	63	63			
<b>4) Park Construction - Zone C</b>	119	337	-59	3	64	64	64	64	64	64	64									
<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>	117	756	-66	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
<b>7) South Pier (Optional)</b>	117	327	-58	3	62	62	62	62	62	62	62	62	62	62	62	62	62			
<b>8) Viewing Platform (Optional)</b>	115	412	-60	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
<b>Predicted Noise Level of this Project, dB (A)</b>						70	70	70	70	70	70	70	68	68	68	68	68			
												<b>2019</b>		<b>2020</b>						
												Min	Max	Min	Max					
												68	70	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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	110	133	-50	3	62	62	62	62	62	62	62	62	62	62	62	62	62			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	117	610	-64	3	56	56	56	56	56	56	56	56	56	56	56	56	56			
<b>3) Zone 5</b>																				
Activity 3 - Superstructure	118	498	-62	3	59	59	59	59	59	59	59	59	59	59	59	59	59			
<b>4) Park Construction - Zone C</b>	119	542	-63	3	60	60	60	60	60	60	60	60	60	60	60	60	60			
<b>5) West Concrete Batching Plant (Operation)</b>	117	598	-64	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
<b>6) West Pier (Optional)</b>	117	936	-67	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
<b>7) South Pier (Optional)</b>	117	396	-60	3	60	60	60	60	60	60	60	60	60	60	60	60	60			
<b>8) Viewing Platform (Optional)</b>	115	297	-57	3	61	61	61	61	61	61	61	61	61	61	61	61	61			
<b>Predicted Noise Level of this Project, dB (A)</b>						68	68	68	68	68	68	68	68	68	68	68	68			
															<b>2019</b>		<b>2020</b>			
															<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>		
															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.

**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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	110	216	-55	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	117	1217	-70	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
<b>3) Zone 5</b>																				
Activity 3 - Superstructure	118	981	-68	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
<b>4) Park Construction - Zone C</b>	119	966	-68	3	55	55	55	55	55	55	55									
<b>5) West Concrete Batching Plant (Operation)</b>	117	1056	-68	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
<b>6) West Pier (Optional)</b>	117	1391	-71	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
<b>7) South Pier (Optional)</b>	117	771	-66	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
<b>8) Viewing Platform (Optional)</b>	115	447	-61	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
<b>Predicted Noise Level of this Project, dB (A)</b>						64	64	64	64	64	64	64	63	63	63	63	63			
															<b>2019</b>		<b>2020</b>			
															<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>		
															63	64	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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	110	255	-56	3	56	56	56	56	56	56	56	56	56	56	56	56	56			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	117	1302	-70	3	50	50	50	50	50	50	50	50	50	50	50	50				
<b>3) Zone 5</b>																				
Activity 3 - Superstructure	118	1040	-68	3	53	53	53	53	53	53	53	53	53	53	53	53				
<b>4) Park Construction - Zone C</b>	119	1054	-68	3	54	54	54	54	54	54	54									
<b>5) West Concrete Batching Plant (Operation)</b>	117	1140	-69	3	51	51	51	51	51	51	51	51	51	51	51	51				
<b>6) West Pier (Optional)</b>	117	1475	-71	3	49	49	49	49	49	49	49	49	49	49	49	49				
<b>7) South Pier (Optional)</b>	117	845	-67	3	54	54	54	54	54	54	54	54	54	54	54	54				
<b>8) Viewing Platform (Optional)</b>	115	508	-62	3	56	56	56	56	56	56	56	56	56	56	56	56				
<b>Predicted Noise Level of this Project, dB (A)</b>						63	63	63	63	63	63	62	62	62	62	62				
						<b>2019</b>		<b>2020</b>												
						<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>			
						62	63	62	62	62	62	62	62	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: 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			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	110	157	-52	3	61	61	61	61	61	61	61	61	61	61	61	61	61			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	117	1284	-70	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
<b>3) Zone 5</b>																				
Activity 3 - Superstructure	118	1021	-68	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
<b>4) Park Construction - Zone C</b>	119	1060	-69	3	54	54	54	54	54	54	54									
<b>5) West Concrete Batching Plant (Operation)</b>	117	1136	-69	3	51	51	51	51	51	51	51	51	51	51	51	51	51			
<b>6) West Pier (Optional)</b>	117	1451	-71	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
<b>7) South Pier (Optional)</b>	117	786	-66	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
<b>8) Viewing Platform (Optional)</b>	115	422	-61	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
<b>Predicted Noise Level of this Project, dB (A)</b>						64	64	64	64	64	64	64	64	64	64	64	64			
															<b>2019</b>		<b>2020</b>			
															Min	Max	Min	Max		
															64	64	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: 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			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	110	195	-54	3	59	59	59	59	59	59	59	59	59	59	59	59	59			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	117	1279	-70	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
<b>3) Zone 5</b>																				
Activity 3 - Superstructure	118	1038	-68	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
<b>4) Park Construction - Zone C</b>	119	1071	-69	3	54	54	54	54	54	54	54									
<b>5) West Concrete Batching Plant (Operation)</b>	117	1151	-69	3	51	51	51	51	51	51	51	51	51	51	51	51	51			
<b>6) West Pier (Optional)</b>	117	1471	-71	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
<b>7) South Pier (Optional)</b>	117	816	-66	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
<b>8) Viewing Platform (Optional)</b>	115	462	-61	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
<b>Predicted Noise Level of this Project, dB (A)</b>						63	63	63	63	63	63	63	63	63	63	63	63			
															<b>2019</b>		<b>2020</b>			
															<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>		
															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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	110	149	-51	3	61	61	61	61	61	61	61	61	61	61	61	61	61			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	117	1292	-70	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
<b>3) Zone 5</b>																				
Activity 3 - Superstructure	118	1022	-68	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
<b>4) Park Construction - Zone C</b>	119	1079	-69	3	54	54	54	54	54	54	54									
<b>5) West Concrete Batching Plant (Operation)</b>	117	1150	-69	3	51	51	51	51	51	51	51	51	51	51	51	51	51			
<b>6) West Pier (Optional)</b>	117	1455	-71	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
<b>7) South Pier (Optional)</b>	117	780	-66	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
<b>8) Viewing Platform (Optional)</b>	115	398	-60	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
<b>Predicted Noise Level of this Project, dB (A)</b>						65	65	65	65	65	65	64	64	64	64	64	64			
												<b>2019</b>		<b>2020</b>						
												Min	Max	Min	Max					
												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: 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			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	110	152	-52	3	61	61	61	61	61	61	61	61	61	61	61	61	61			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	117	1298	-70	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
<b>3) Zone 5</b>																				
Activity 3 - Superstructure	118	1026	-68	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
<b>4) Park Construction - Zone C</b>	119	1080	-69	3	54	54	54	54	54	54	54									
<b>5) West Concrete Batching Plant (Operation)</b>	117	1155	-69	3	51	51	51	51	51	51	51	51	51	51	51	51	51			
<b>6) West Pier (Optional)</b>	117	1455	-71	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
<b>7) South Pier (Optional)</b>	117	775	-66	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
<b>8) Viewing Platform (Optional)</b>	115	400	-60	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
<b>Predicted Noise Level of this Project, dB (A)</b>						65	65	65	65	65	65	64	64	64	64	64	64			
												<b>2019</b>		<b>2020</b>						
												Min	Max	Min	Max					
												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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	110	54	-43	3	70	70	70	70	70	70	70	70	70	70	70	70	70			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	117	1192	-70	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
<b>3) Zone 5</b>																				
Activity 3 - Superstructure	118	923	-67	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
<b>4) Park Construction - Zone C</b>	119	982	-68	3	55	55	55	55	55	55	55									
<b>5) West Concrete Batching Plant (Operation)</b>	117	1050	-68	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
<b>6) West Pier (Optional)</b>	117	1350	-71	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
<b>7) South Pier (Optional)</b>	117	680	-65	3	56	56	56	56	56	56	56	56	56	56	56	56	56			
<b>8) Viewing Platform (Optional)</b>	115	291	-57	3	61	61	61	61	61	61	61	61	61	61	61	61	61			
<b>Predicted Noise Level of this Project, dB (A)</b>						71	71	71	71	71	71	71	71	71	71	71	71			
															<b>2019</b>		<b>2020</b>			
															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.

**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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	110	348	-59	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	117	727	-65	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
<b>3) Zone 5</b>																				
Activity 3 - Superstructure	118	470	-61	3	60	60	60	60	60	60	60	60	60	60	60	60	60			
<b>4) Park Construction - Zone C</b>	119	487	-62	3	61	61	61	61	61	61	61									
<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>	117	826	-66	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
<b>7) South Pier (Optional)</b>	117	476	-62	3	59	59	59	59	59	59	59	59	59	59	59	59	59			
<b>8) Viewing Platform (Optional)</b>	115	561	-63	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
<b>Predicted Noise Level of this Project, dB (A)</b>						67	67	67	67	67	67	66	66	66	66	66	66			
												<b>2019</b>		<b>2020</b>						
												<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>					
												66	67	66	66					

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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	110	39	-40	3	73	73	73	73	73	73	73	73	73	73	73	73	73			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	117	1109	-69	3	51	51	51	51	51	51	51	51	51	51	51	51	51			
<b>3) Zone 5</b>																				
Activity 3 - Superstructure	118	845	-67	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
<b>4) Park Construction - Zone C</b>	119	897	-67	3	55	55	55	55	55	55	55									
<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>	117	1265	-70	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
<b>7) South Pier (Optional)</b>	117	606	-64	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
<b>8) Viewing Platform (Optional)</b>	115	257	-56	3	62	62	62	62	62	62	62	62	62	62	62	62	62			
<b>Predicted Noise Level of this Project, dB (A)</b>						73	73	73	73	73	73	73	73	73	73	73	73			
															<b>2019</b>		<b>2020</b>			
															<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>		
															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.

**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)	2019												2020		
						4	5	6	7	8	9	10	11	12	1	2	3			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	110	103	-48	3	64	64	64	64	64	64	64	64	64	64	64	64	64			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	117	883	-67	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
<b>3) Zone 5</b>																				
Activity 3 - Superstructure	118	623	-64	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
<b>4) Park Construction - Zone C</b>	119	751	-66	3	57	57	57	57	57	57	57									
<b>5) West Concrete Batching Plant (Operation)</b>	117	741	-65	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
<b>6) West Pier (Optional)</b>	117	1045	-68	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
<b>7) South Pier (Optional)</b>	117	426	-61	3	60	60	60	60	60	60	60	60	60	60	60	60	60			
<b>8) Viewing Platform (Optional)</b>	115	81	-46	3	72	72	72	72	72	72	72	72	72	72	72	72	72			
<b>Predicted Noise Level of this Project, dB (A)</b>						73	73	73	73	73	73	73	73	73	73	73	73			
															<b>2019</b>		<b>2020</b>			
															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.

**Mitigated 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			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	110	33	-38	3	74	74	74	74	74	74	74	74	74	74	74	74	74			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	117	813	-66	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
<b>3) Zone 5</b>																				
Activity 3 - Superstructure	118	553	-63	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
<b>4) Park Construction - Zone C</b>	119	680	-65	3	58	58	58	58	58	58	58									
<b>5) West Concrete Batching Plant (Operation)</b>	117	670	-65	3	56	56	56	56	56	56	56	56	56	56	56	56	56			
<b>6) West Pier (Optional)</b>	117	975	-68	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
<b>7) South Pier (Optional)</b>	117	355	-59	3	61	61	61	61	61	61	61	61	61	61	61	61	61			
<b>8) Viewing Platform (Optional)</b>	115	161	-52	3	66	66	66	66	66	66	66	66	66	66	66	66	66			
<b>Predicted Noise Level of this Project, dB (A)</b>						75	75	75	75	75	75	75	75	75	75	75	75			
															<b>2019</b>		<b>2020</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: 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			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	110	40	-40	3	73	73	73	73	73	73	73	73	73	73	73	73	73			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	117	755	-66	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
<b>3) Zone 5</b>																				
Activity 3 - Superstructure	118	490	-62	3	59	59	59	59	59	59	59	59	59	59	59	59	59			
<b>4) Park Construction - Zone C</b>	119	586	-63	3	59	59	59	59	59	59	59									
<b>5) West Concrete Batching Plant (Operation)</b>	117	626	-64	3	56	56	56	56	56	56	56	56	56	56	56	56	56			
<b>6) West Pier (Optional)</b>	117	910	-67	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
<b>7) South Pier (Optional)</b>	117	257	-56	3	64	64	64	64	64	64	64	64	64	64	64	64	64			
<b>8) Viewing Platform (Optional)</b>	115	148	-51	3	67	67	67	67	67	67	67	67	67	67	67	67	67			
<b>Predicted Noise Level of this Project, dB (A)</b>						74	74	74	74	74	74	74	74	74	74	74	74			
						<b>2019</b>		<b>2020</b>		<b>Min</b>		<b>Max</b>		<b>Min</b>		<b>Max</b>				
						74	74	74	74	74	74	74	74	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: 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			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	110	41	-40	3	72	72	72	72	72	72	72	72	72	72	72	72	72			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	117	664	-64	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
<b>3) Zone 5</b>																				
Activity 3 - Superstructure	118	399	-60	3	61	61	61	61	61	61	61	61	61	61	61	61	61			
<b>4) Park Construction - Zone C</b>	119	541	-63	3	60	60	60	60	60	60	60									
<b>5) West Concrete Batching Plant (Operation)</b>	117	536	-63	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
<b>6) West Pier (Optional)</b>	117	821	-66	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
<b>7) South Pier (Optional)</b>	117	193	-54	3	67	67	67	67	67	67	67	67	67	67	67	67	67			
<b>8) Viewing Platform (Optional)</b>	115	233	-55	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>2019</b>		<b>2020</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: 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			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	110	162	-52	3	60	60	60	60	60	60	60	60	60	60	60	60	60			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	117	537	-63	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
<b>3) Zone 5</b>																				
Activity 3 - Superstructure	118	279	-57	3	64	64	64	64	64	64	64	64	64	64	64	64	64			
<b>4) Park Construction - Zone C</b>	119	356	-59	3	63	63	63	63	63	63	63									
<b>5) West Concrete Batching Plant (Operation)</b>	117	396	-60	3	60	60	60	60	60	60	60	60	60	60	60	60	60			
<b>6) West Pier (Optional)</b>	117	706	-65	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
<b>7) South Pier (Optional)</b>	117	217	-55	3	66	66	66	66	66	66	66	66	66	66	66	66	66			
<b>8) Viewing Platform (Optional)</b>	115	376	-60	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
<b>Predicted Noise Level of this Project, dB (A)</b>						71	71	71	71	71	71	71	70	70	70	70	70			
															<b>2019</b>		<b>2020</b>			
															Min	Max	Min	Max		
															70	71	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: 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			
<b>1) Zone 2</b>																				
Activity 5 - Superstructure	110	163	-52	3	60	60	60	60	60	60	60	60	60	60	60	60	60			
<b>2) Zone 4</b>																				
Activity 5 - Superstructure	117	530	-62	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
<b>3) Zone 5</b>																				
Activity 3 - Superstructure	118	266	-56	3	65	65	65	65	65	65	65	65	65	65	65	65	65			
<b>4) Park Construction - Zone C</b>	119	410	-60	3	62	62	62	62	62	62	62									
<b>5) West Concrete Batching Plant (Operation)</b>	117	420	-60	3	60	60	60	60	60	60	60	60	60	60	60	60	60			
<b>6) West Pier (Optional)</b>	117	680	-65	3	56	56	56	56	56	56	56	56	56	56	56	56	56			
<b>7) South Pier (Optional)</b>	117	109	-49	3	72	72	72	72	72	72	72	72	72	72	72	72	72			
<b>8) Viewing Platform (Optional)</b>	115	353	-59	3	59	59	59	59	59	59	59	59	59	59	59	59	59			
<b>Predicted Noise Level of this Project, dB (A)</b>						74	74	74	74	74	74	74	73	73	73	73	73			
															<b>2019</b>		<b>2020</b>			
															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.