

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	Zone 1								
	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	5	50%	-10	Movable Barrier	96	
	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%	-15	Enclosure	73	
	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)								108
2	Zone 2								
	Activity 5 - Superstructure								
	Group 1								
	Crane, tower (electric)	CNP 049	95	4	50%			98	
	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	12	50%	-10	Movable Barrier	100	
	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	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	4	50%	-5	Movable Barrier	107	
	Total SWL, dB (A)								111
	Group 2								
	Drill/grinder, hand-held (electric)	CNP 065	98	12	30%	-10	Movable Barrier	94	
	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%	-15	Enclosure	80	
	Total SWL, dB (A)								105
	Maximum SWL, dB (A)								111
3	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%	-15	Enclosure	74	
	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
4/5/6	Anchorage Footbridge / Kowloon Park Footbridge								
	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	1	30%	-10	Movable Barrier	99	
	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)								103
	Group 2								
	Excavator, wheeled/tracked	EPD-01230	99	1	30%	-5	Movable Barrier	89	
	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)								104	
Maximum SWL, dB (A)								104	
7	West 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	
8/9	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%	-15	Enclosure	79	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	2	100%	-15	Enclosure	83	
	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

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)
	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%	-15	Enclosure	83
	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
10	Viewing Platform (Optional)							
	Group 1							
	Piling, large diameter bored, reverse circulation drill	CNP 166	100	1	100%	-10	Fabric	90
	Crane, mobile	EPD-01516	101	2	80%	-5	Movable Barrier	98
	Tug boat	CNP 221	110	1	60%			108
							Total SWL, dB (A)	108
	Group 2							
	Crane, mobile	EPD-01516	101	2	100%			104
							Total SWL, dB (A)	104
							Maximum SWL, dB (A)	108
11	Fire Services Department Staff Quarter Demolition							
	Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	-15	Enclosure	90
	Breaker, hand-held, mass > 35kg	CNP 026	114	2	30%	-10	Movable Barrier	102
	Crane, mobile	EPD-01516	101	2	80%	-5	Movable Barrier	98
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	2	70%	-5	Movable Barrier	101
	Generator, silenced, 75 dB(A) at 7 m	CNP 102	100	2	60%	-15	Enclosure	86
	Welding set	[2]	78	2	60%	-10	Movable Barrier	69
							Total SWL, dB (A)	106
	Excluded Area (Fire Service Department Staff Quarter)							
	Activity 1 - D Walling							
Crane, mobile	EPD-01516	101	1	60%	-5	Movable Barrier	94	
Air compressor, air flow > 30m3/min	CNP 003	104	1	100%	-15	Enclosure	89	
Piling, diaphragm wall, hydraulic extractor	CNP 163	90	1	60%	-10	Fabric	78	
Excavator, wheeled/tracked	EPD-01230	99	1	60%	-5	Movable Barrier	92	
Grout Mixer	[1]	90	1	60%	-10	Movable Barrier	78	
Water pump, submersible (electric)	CNP 283	85	1	60%	-15	Enclosure	68	
Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	1	30%	-5	Movable Barrier	95	
Concrete lorry mixer	CNP 044	109	1	60%	-5	Movable Barrier	102	
Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	-15	Enclosure	80	
						Total SWL, dB (A)	104	
Activity 2 - Bored Piling								
Group 1								
Crane, mobile	EPD-01516	101	1	60%	-5	Movable Barrier	94	
Excavator, wheeled/tracked	EPD-01230	99	1	30%	-5	Movable Barrier	89	
Piling Rig	[2]	112	1	60%	-10	Fabric	100	
Drill Rig	[1]	110	1	60%	-10	Fabric	98	
Excavator, wheeled/tracked	EPD-01230	99	1	60%	-5	Movable Barrier	92	
Piling, large diameter bored, grab and chisel	CNP 164	115	1	60%	-10	Fabric	103	
Piling, large diameter bored, reverse circulation drill	CNP 166	100	1	60%	-10	Fabric	88	
Piling, large diameter bored, oscillator	CNP 165	115	1	60%	-10	Fabric	103	
Air compressor, air flow > 30m3/min	CNP 003	104	1	100%	-15	Enclosure	89	
Welding Set	[2]	78	1	60%	-10	Movable Barrier	66	
						Total SWL, dB (A)	108	
Group 2								
Crane, mobile	EPD-01516	101	1	60%	-5	Movable Barrier	94	
Grout Mixer	[1]	90	1	60%	-10	Movable Barrier	78	
Grout Pump	[1]	105	1	60%	-10	Movable Barrier	93	
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	
Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	1	30%	-5	Movable Barrier	95	
Concrete lorry mixer	CNP 044	109	1	60%	-5	Movable Barrier	102	
						Total SWL, dB (A)	104	
						Maximum SWL, dB (A) of Activity 2	108	
Activity 3 - Excavation								
Crane, mobile	EPD-01516	101	1	60%	-5	Movable Barrier	94	
Air compressor, air flow > 30m3/min	CNP 003	104	1	100%	-15	Enclosure	89	
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	
Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	2	30%	-5	Movable Barrier	98	
						Total SWL, dB (A)	100	
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	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	5	50%	-10	Movable Barrier	96	
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%	-15	Enclosure	73	
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)	108	

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)

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 (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021	2022-2030			After 2030	
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*	Footbridge Construction (2 years)	
1) Zone 1											
Activity 5 - Superstructure	108	515	-62	3	49	49	49	49	49		
2) Zone 2											
Activity 5 - Superstructure	111	184	-53	3	60	60	60	60	60		
3) Zone 3											
Activity 5 - Superstructure	109	303	-58	3	54	54	54	54	54		
4) Anchorage Footbridge	104	325	-58	3	48	48	48	48	48		
5) Kowloon Park Footbridge (West)	104	643	-64	3	42					42	
6) Kowloon Park Footbridge (South)	104	574	-63	3	43					43	
7) West Concrete Batching Plant (Demolition)	97	506	-62	3	38	38					
8) West Pier (Optional)	112	846	-67	3	49	49					
9) South Pier (Optional)	112	347	-59	3	56	56					
10) Viewing Platform (Optional)	108	342	-59	3	53	53					
11) Fire Services Department Staff Quarter Demolition	106	551	-63	3	46			46			
12) Excluded Area (Fire Service Department Staff Quarter)											
Activity 1 - D Walling	104	551	-63	3	44				44		
Activity 2 - Bored Piling	108	551	-63	3	48				48		
Activity 3 - Excavation	100	551	-63	3	41				41		
Activity 4 - Basement and Underpass	106	551	-63	3	46				46		
Activity 5 - Superstructure	108	551	-63	3	48				48		
Predicted Noise Level of this Project, dB (A)						63	62	62	62	46	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.

* Activities in excluded area including permanent underpass and superstructure construction will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

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 (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021		2022-2030			After 2030 Footbridge Construction (2 years)
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*		
1) Zone 1											
Activity 5 - Superstructure	108	609	-64	3	48	48	48	48	48		
2) Zone 2											
Activity 5 - Superstructure	111	185	-53	3	60	60	60	60	60		
3) Zone 3											
Activity 5 - Superstructure	109	228	-55	3	57	57	57	57	57		
4) Anchorage Footbridge	104	272	-57	3	50	50	50	50	50		
5) Kowloon Park Footbridge (West)	104	732	-65	3	41						41
6) Kowloon Park Footbridge (South)	104	663	-64	3	42						42
7) West Concrete Batching Plant (Demolition)	97	419	-60	3	39	39					
8) West Pier (Optional)	112	756	-66	3	50	50					
9) South Pier (Optional)	112	327	-58	3	57	57					
10) Viewing Platform (Optional)	108	412	-60	3	51	51					
11) Fire Services Department Staff Quarter Demolition	106	626	-64	3	45			45			
12) Excluded Area (Fire Service Department Staff Quarter)											
Activity 1 - D Walling	104	626	-64	3	43					43	
Activity 2 - Bored Piling	108	626	-64	3	47					47	
Activity 3 - Excavation	100	626	-64	3	39					39	
Activity 4 - Basement and Underpass	106	626	-64	3	45					45	
Activity 5 - Superstructure	108	626	-64	3	47					47	
Predicted Noise Level of this Project, dB (A)						64	62	62	62	45	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.

* Activities in excluded area including permanent underpass and superstructure construction will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

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 (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021		2022-2030			After 2030 Footbridge Construction (2 years)	
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*			
1) Zone 1												
Activity 5 - Superstructure	108	425	-61	3	51	51	51	51	51			
2) Zone 2												
Activity 5 - Superstructure	111	238	-56	3	58	58	58	58	58			
3) Zone 3												
Activity 5 - Superstructure	109	392	-60	3	52	52	52	52	52			
4) Anchorage Footbridge	104	372	-59	3	47	47	47	47	47			
5) Kowloon Park Footbridge (West)	104	555	-63	3	44						44	
6) Kowloon Park Footbridge (South)	104	496	-62	3	45						45	
7) West Concrete Batching Plant (Demolition)	97	598	-64	3	36	36						
8) West Pier (Optional)	112	936	-67	3	48	48						
9) South Pier (Optional)	112	396	-60	3	55	55						
10) Viewing Platform (Optional)	108	297	-57	3	54	54						
11) Fire Services Department Staff Quarter Demolition	106	451	-61	3	48			48				
12) Excluded Area (Fire Service Department Staff Quarter)												
Activity 1 - D Walling	104	451	-61	3	46					46		
Activity 2 - Bored Piling	108	451	-61	3	50					50		
Activity 3 - Excavation	100	451	-61	3	42					42		
Activity 4 - Basement and Underpass	106	451	-61	3	47					47		
Activity 5 - Superstructure	108	451	-61	3	50					50		
Predicted Noise Level of this Project, dB (A)						62	60	60	60	60	47	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.

* Activities in excluded area including permanent underpass and superstructure construction will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

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 (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2022-2030				After 2030 Footbridge Construction (2 years)	
						2021 Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*		
1) Zone 1											
Activity 5 - Superstructure	108	137	-51	3	61	61	61	61	61		
2) Zone 2											
Activity 5 - Superstructure	111	228	-55	3	58	58	58	58	58		
3) Zone 3											
Activity 5 - Superstructure	109	845	-67	3	45	45	45	45	45		
4) Anchorage Footbridge	104	754	-66	3	41	41	41	41	41		
5) Kowloon Park Footbridge (West)	104	240	-56	3	51					51	
6) Kowloon Park Footbridge (South)	104	246	-56	3	51					51	
7) West Concrete Batching Plant (Demolition)	97	1056	-68	3	31	31					
8) West Pier (Optional)	112	1391	-71	3	44	44					
9) South Pier (Optional)	112	771	-66	3	49	49					
10) Viewing Platform (Optional)	108	447	-61	3	50	50					
11) Fire Services Department Staff Quarter Demolition	106	190	-54	3	55		55				
12) Excluded Area (Fire Service Department Staff Quarter)											
Activity 1 - D Walling	104	190	-54	3	53				53		
Activity 2 - Bored Piling	108	190	-54	3	57				57		
Activity 3 - Excavation	100	190	-54	3	50				50		
Activity 4 - Basement and Underpass	106	190	-54	3	55				55		
Activity 5 - Superstructure	108	190	-54	3	58				58		
Predicted Noise Level of this Project, dB (A)						63	63	63	64	54	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.

* Activities in excluded area including permanent underpass and superstructure construction will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

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 (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021		2022-2030			After 2030	
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*	Footbridge Construction (2 years)	Min	Max
1) Zone 1												
Activity 5 - Superstructure	108	160	-52	3	59	59	59	59	59			
2) Zone 2												
Activity 5 - Superstructure	111	296	-57	3	56	56	56	56	56			
3) Zone 3												
Activity 5 - Superstructure	109	930	-67	3	44	44	44	44	44			
4) Anchorage Footbridge	104	835	-66	3	40	40	40	40	40			
5) Kowloon Park Footbridge (West)	104	223	-55	3	52							52
6) Kowloon Park Footbridge (South)	104	263	-56	3	50							50
7) West Concrete Batching Plant (Demolition)	97	1140	-69	3	31	31						
8) West Pier (Optional)	112	1475	-71	3	44	44						
9) South Pier (Optional)	112	845	-67	3	49	49						
10) Viewing Platform (Optional)	108	508	-62	3	49	49						
11) Fire Services Department Staff Quarter Demolition	106	185	-53	3	55			55				
12) Excluded Area (Fire Service Department Staff Quarter)												
Activity 1 - D Walling	104	185	-53	3	53						53	
Activity 2 - Bored Piling	108	185	-53	3	57						57	
Activity 3 - Excavation	100	185	-53	3	50						50	
Activity 4 - Basement and Underpass	106	185	-53	3	55						55	
Activity 5 - Superstructure	108	185	-53	3	58						58	
Predicted Noise Level of this Project, dB (A)						62	61	62	63	54	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.

* Activities in excluded area including permanent underpass and superstructure construction will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

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 (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021		2022-2030			After 2030	
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*	Footbridge Construction (2 years)	Min	Max
1) Zone 1												
Activity 5 - Superstructure	108	93	-47	3	64	64	64	64	64			
2) Zone 2												
Activity 5 - Superstructure	111	260	-56	3	57	57	57	57	57			
3) Zone 3												
Activity 5 - Superstructure	109	904	-67	3	45	45	45	45	45			
4) Anchorage Footbridge	104	871	-67	3	40	40	40	40	40			
5) Kowloon Park Footbridge (West)	104	93	-47	3	59							59
6) Kowloon Park Footbridge (South)	104	139	-51	3	56							56
7) West Concrete Batching Plant (Demolition)	97	1136	-69	3	31	31						
8) West Pier (Optional)	112	1451	-71	3	44	44						
9) South Pier (Optional)	112	786	-66	3	49	49						
10) Viewing Platform (Optional)	108	422	-61	3	51	51						
11) Fire Services Department Staff Quarter Demolition	106	70	-45	3	64			64				
12) Excluded Area (Fire Service Department Staff Quarter)												
Activity 1 - D Walling	104	70	-45	3	62						62	
Activity 2 - Bored Piling	108	70	-45	3	66						66	
Activity 3 - Excavation	100	70	-45	3	58						58	
Activity 4 - Basement and Underpass	106	70	-45	3	64						64	
Activity 5 - Superstructure	108	70	-45	3	66						66	
Predicted Noise Level of this Project, dB (A)						65	65	67	69	61	69	

Note: **Bold** figure in shaded box denotes exceedance of relevant construction noise criteria

Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

* Activities in excluded area including permanent underpass and superstructure construction will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

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 (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021		2022-2030			After 2030	
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*	Footbridge Construction (2 years)	Min	Max
1) Zone 1												
Activity 5 - Superstructure	108	102	-48	3	63	63	63	63	63			
2) Zone 2												
Activity 5 - Superstructure	111	283	-57	3	57	57	57	57	57			
3) Zone 3												
Activity 5 - Superstructure	109	925	-67	3	44	44	44	44	44			
4) Anchorage Footbridge	104	874	-67	3	40	40	40	40	40			
5) Kowloon Park Footbridge (West)	104	137	-51	3	56							56
6) Kowloon Park Footbridge (South)	104	187	-53	3	53							53
7) West Concrete Batching Plant (Demolition)	97	1151	-69	3	31	31						
8) West Pier (Optional)	112	1471	-71	3	44	44						
9) South Pier (Optional)	112	816	-66	3	49	49						
10) Viewing Platform (Optional)	108	462	-61	3	50	50						
11) Fire Services Department Staff Quarter Demolition	106	109	-49	3	60			60				
12) Excluded Area (Fire Service Department Staff Quarter)												
Activity 1 - D Walling	104	109	-49	3	58						58	
Activity 2 - Bored Piling	108	109	-49	3	62						62	
Activity 3 - Excavation	100	109	-49	3	55						55	
Activity 4 - Basement and Underpass	106	109	-49	3	60						60	
Activity 5 - Superstructure	108	109	-49	3	63						63	
Predicted Noise Level of this Project, dB (A)						64	64	65	66	58	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.

* Activities in excluded area including permanent underpass and superstructure construction will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

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 (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021		2022-2030			After 2030 Footbridge Construction (2 years)	
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*			
1) Zone 1												
Activity 5 - Superstructure	108	100	-48	3	63	63	63	63	63			
2) Zone 2												
Activity 5 - Superstructure	111	270	-57	3	57	57	57	57	57			
3) Zone 3												
Activity 5 - Superstructure	109	912	-67	3	45	45	45	45	45			
4) Anchorage Footbridge	104	903	-67	3	39	39	39	39	39			
5) Kowloon Park Footbridge (West)	104	33	-38	3	68						68	
6) Kowloon Park Footbridge (South)	104	105	-48	3	58						58	
7) West Concrete Batching Plant (Demolition)	97	1150	-69	3	31	31						
8) West Pier (Optional)	112	1455	-71	3	44	44						
9) South Pier (Optional)	112	780	-66	3	49	49						
10) Viewing Platform (Optional)	108	398	-60	3	51	51						
11) Fire Services Department Staff Quarter Demolition	106	50	-42	3	67			67				
12) Excluded Area (Fire Service Department Staff Quarter)												
Activity 1 - D Walling	104	50	-42	3	65					65		
Activity 2 - Bored Piling	108	50	-42	3	69					69		
Activity 3 - Excavation	100	50	-42	3	61					61		
Activity 4 - Basement and Underpass	106	50	-42	3	67					67		
Activity 5 - Superstructure	108	50	-42	3	69					69		
Predicted Noise Level of this Project, dB (A)						65	64	69	70	69		
											Min	Max
											64	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.

* Activities in excluded area including permanent underpass and superstructure construction will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

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 (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021		2022-2030			After 2030	
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*	Footbridge Construction (2 years)		
1) Zone 1												
Activity 5 - Superstructure	108	115	-49	3	62	62	62	62	62	62		
2) Zone 2												
Activity 5 - Superstructure	111	280	-57	3	57	57	57	57	57	57		
3) Zone 3												
Activity 5 - Superstructure	109	916	-67	3	45	45	45	45	45	45		
4) Anchorage Footbridge	104	915	-67	3	39	39	39	39	39	39		
5) Kowloon Park Footbridge (West)	104	14	-31	3	76						76	
6) Kowloon Park Footbridge (South)	104	100	-48	3	59						59	
7) West Concrete Batching Plant (Demolition)	97	1155	-69	3	31	31						
8) West Pier (Optional)	112	1455	-71	3	44	44						
9) South Pier (Optional)	112	775	-66	3	49	49						
10) Viewing Platform (Optional)	108	400	-60	3	51	51						
11) Fire Services Department Staff Quarter Demolition	106	50	-42	3	67			67				
12) Excluded Area (Fire Service Department Staff Quarter)												
Activity 1 - D Walling	104	50	-42	3	65					65		
Activity 2 - Bored Piling	108	50	-42	3	69					69		
Activity 3 - Excavation	100	50	-42	3	61					61		
Activity 4 - Basement and Underpass	106	50	-42	3	67					67		
Activity 5 - Superstructure	108	50	-42	3	69					69		
Predicted Noise Level of this Project, dB (A)						64	63	68	70	76	76	
											Min	Max
											63	76

Note: **Bold** figure in shaded box denotes exceedance of relevant construction noise criteria

Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

* Activities in excluded area including permanent underpass and superstructure construction will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

Mitigated Construction Noise Impact

NSR: FQa (Fire Services Department Staff Quarter)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021		2022-2030		After 2030
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*	Footbridge Construction (2 years)
1) Zone 1										
Activity 5 - Superstructure	108	48	-42	3	70	70	70			
2) Zone 2										
Activity 5 - Superstructure	111	172	-53	3	61	61	61			
3) Zone 3										
Activity 5 - Superstructure	109	810	-66	3	46	46	46			
4) Anchorage Footbridge	104	815	-66	3	40	40	40			
5) Kowloon Park Footbridge (West)	104	89	-47	3	60					
6) Kowloon Park Footbridge (South)	104	56	-43	3	64					
7) West Concrete Batching Plant (Demolition)	97	1050	-68	3	31	31				
8) West Pier (Optional)	112	1350	-71	3	45	45				
9) South Pier (Optional)	112	680	-65	3	51	51				
10) Viewing Platform (Optional)	108	311	-58	3	53	53				
11) Fire Services Department Staff Quarter Demolition										
12) Excluded Area (Fire Service Department Staff Quarter)										
Activity 1 - D Walling										
Activity 2 - Bored Piling										
Activity 3 - Excavation										
Activity 4 - Basement and Underpass										
Activity 5 - Superstructure	108									
Predicted Noise Level of this Project, dB (A)						70	70			0
						Min	Max			
										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.

* Activities in excluded area including permanent underpass and superstructure construction will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

Mitigated Construction Noise Impact

NSR: FQb (Fire Services Department Staff Quarter)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021		2022-2030		After 2030
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*	Footbridge Construction (2 years)
1) Zone 1										
Activity 5 - Superstructure	108	59	-43	3	68	68	68			
2) Zone 2										
Activity 5 - Superstructure	111	181	-53	3	60	60	60			
3) Zone 3										
Activity 5 - Superstructure	109	808	-66	3	46	46	46			
4) Anchorage Footbridge	104	825	-66	3	40	40	40			
5) Kowloon Park Footbridge (West)	104	82	-46	3	60					
6) Kowloon Park Footbridge (South)	104	45	-41	3	66					
7) West Concrete Batching Plant (Demolition)	97	1053	-68	3	31	31				
8) West Pier (Optional)	112	1353	-71	3	45	45				
9) South Pier (Optional)	112	675	-65	3	51	51				
10) Viewing Platform (Optional)	108	306	-58	3	54	54				
11) Fire Services Department Staff Quarter Demolition										
12) Excluded Area (Fire Service Department Staff Quarter)										
Activity 1 - D Walling										
Activity 2 - Bored Piling										
Activity 3 - Excavation										
Activity 4 - Basement and Underpass										
Activity 5 - Superstructure	108									
Predicted Noise Level of this Project, dB (A)						69	69			
										Min
										Max
										69
										69

Note: **Bold** figure in shaded box denotes exceedance of relevant construction noise criteria

Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

* Activities in excluded area including permanent underpass and superstructure construction will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

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 (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021		2022-2030			After 2030
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*	Footbridge Construction (2 years)	
1) Zone 1											
Activity 5 - Superstructure	108	759	-66	3	46	46	46	46	46		
2) Zone 2											
Activity 5 - Superstructure	111	333	-58	3	55	55	55	55	55		
3) Zone 3											
Activity 5 - Superstructure	109	377	-60	3	52	52	52	52	52		
4) Anchorage Footbridge	104	58	-43	3	63	63	63	63	63		
5) Kowloon Park Footbridge (West)	104	882	-67	3	40						40
6) Kowloon Park Footbridge (South)	104	813	-66	3	40						40
7) West Concrete Batching Plant (Demolition)	97	451	-61	3	39	39					
8) West Pier (Optional)	112	826	-66	3	49	49					
9) South Pier (Optional)	112	476	-62	3	54	54					
10) Viewing Platform (Optional)	108	561	-63	3	48	48					
11) Fire Services Department Staff Quarter Demolition	106	751	-66	3	43			43			
12) Excluded Area (Fire Service Department Staff Quarter)											
Activity 1 - D Walling	104	751	-66	3	41					41	
Activity 2 - Bored Piling	108	751	-66	3	45					45	
Activity 3 - Excavation	100	751	-66	3	38					38	
Activity 4 - Basement and Underpass	106	751	-66	3	43					43	
Activity 5 - Superstructure	108	751	-66	3	46					46	
Predicted Noise Level of this Project, dB (A)						65	64	64	64	43	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.

* Activities in excluded area including permanent underpass and superstructure construction will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

Mitigated Construction Noise Impact

NSR: P3

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021		2022-2030			After 2030	
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*	Footbridge Construction (2 years)	Min	Max
1) Zone 1												
Activity 5 - Superstructure												
2) Zone 2												
Activity 5 - Superstructure												
3) Zone 3												
Activity 5 - Superstructure												
4) Anchorage Footbridge												
5) Kowloon Park Footbridge (West)	104	75	-46	3	61							61
6) Kowloon Park Footbridge (South)	104	30	-38	3	69							69
7) West Concrete Batching Plant (Demolition)												
8) West Pier (Optional)												
9) South Pier (Optional)												
10) Viewing Platform (Optional)												
11) Fire Services Department Staff Quarter Demolition												
12) Excluded Area (Fire Service Department Staff Quarter)												
Activity 1 - D Walling												
Activity 2 - Bored Piling												
Activity 3 - Excavation												
Activity 4 - Basement and Underpass												
Activity 5 - Superstructure												
Predicted Noise Level of this Project, dB (A)											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.

* Activities in excluded area including permanent underpass and superstructure construction will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

Mitigated Construction Noise Impact

NSR: P6

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021		2022-2030			After 2030	
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*	Footbridge Construction (2 years)	Min	Max
1) Zone 1												
Activity 5 - Superstructure	108	124	-50	3	61	61	61	61	61			
2) Zone 2												
Activity 5 - Superstructure	111	35	-39	3	75	75	75	75	75			
3) Zone 3												
Activity 5 - Superstructure	109	663	-64	3	47	47	47	47	47			
4) Anchorage Footbridge	104	666	-64	3	42	42	42	42	42			
5) Kowloon Park Footbridge (West)	104	243	-56	3	51							51
6) Kowloon Park Footbridge (South)	104	187	-53	3	53							53
7) West Concrete Batching Plant (Demolition)	97	915	-67	3	33	33						
8) West Pier (Optional)	112	1215	-70	3	46	46						
9) South Pier (Optional)	112	566	-63	3	52	52						
10) Viewing Platform (Optional)	108	232	-55	3	56	56						
11) Fire Services Department Staff Quarter Demolition	106	104	-48	3	60			60				
12) Excluded Area (Fire Service Department Staff Quarter)												
Activity 1 - D Walling	104	104	-48	3	58						58	
Activity 2 - Bored Piling	108	104	-48	3	62						62	
Activity 3 - Excavation	100	104	-48	3	55						55	
Activity 4 - Basement and Underpass	106	104	-48	3	60						60	
Activity 5 - Superstructure	108	104	-48	3	63						63	
Predicted Noise Level of this Project, dB (A)						75	75	75	75	75	55	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.

* Activities in excluded area including permanent underpass and superstructure construction will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

Mitigated Construction Noise Impact

NSR: P7

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021	2022-2030			After 2030	
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*	Footbridge Construction (2 years)	
1) Zone 1											
Activity 5 - Superstructure	108	45	-41	3	70	70	70	70	70		
2) Zone 2											
Activity 5 - Superstructure	111	66	-44	3	69	69	69	69	69		
3) Zone 3											
Activity 5 - Superstructure	109	696	-65	3	47	47	47	47	47		
4) Anchorage Footbridge	104	711	-65	3	42	42	42	42	42		
5) Kowloon Park Footbridge (West)	104	162	-52	3	54					54	
6) Kowloon Park Footbridge (South)	104	118	-49	3	57					57	
7) West Concrete Batching Plant (Demolition)	97	950	-68	3	32	32					
8) West Pier (Optional)	112	1250	-70	3	45	45					
9) South Pier (Optional)	112	601	-64	3	52	52					
10) Viewing Platform (Optional)	108	252	-56	3	55	55					
11) Fire Services Department Staff Quarter Demolition	106	104	-48	3	60			60			
12) Excluded Area (Fire Service Department Staff											
Activity 1 - D Walling	104	104	-48	3	58				58		
Activity 2 - Bored Piling	108	104	-48	3	62				62		
Activity 3 - Excavation	100	104	-48	3	55				55		
Activity 4 - Basement and Underpass	106	104	-48	3	60				60		
Activity 5 - Superstructure	108	104	-48	3	63				63		
Predicted Noise Level of this Project, dB (A)						73	73	73	73	59	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.

* Activities after Fire Service Department Staff Quarter in excluded area will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

Mitigated Construction Noise Impact

NSR: P13

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021	2022-2030			After 2030	
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*	Footbridge Construction (2 years)	
1) Zone 1											
Activity 5 - Superstructure	108	45	-41	3	70	70	70	70	70		
2) Zone 2											
Activity 5 - Superstructure	111	66	-44	3	69	69	69	69	69		
3) Zone 3											
Activity 5 - Superstructure	109	696	-65	3	47	47	47	47	47		
4) Anchorage Footbridge	104	711	-65	3	42	42	42	42	42		
5) Kowloon Park Footbridge (West)	104	162	-52	3	54					54	
6) Kowloon Park Footbridge (South)	104	118	-49	3	57					57	
7) West Concrete Batching Plant (Demolition)	97	950	-68	3	32	32					
8) West Pier (Optional)	112	1250	-70	3	45	45					
9) South Pier (Optional)	112	601	-64	3	52	52					
10) Viewing Platform (Optional)	108	252	-56	3	55	55					
11) Fire Services Department Staff Quarter Demolition	106	104	-48	3	60			60			
12) Excluded Area (Fire Service Department Staff											
Activity 1 - D Walling	104	104	-48	3	58				58		
Activity 2 - Bored Piling	108	104	-48	3	62				62		
Activity 3 - Excavation	100	104	-48	3	55				55		
Activity 4 - Basement and Underpass	106	104	-48	3	60				60		
Activity 5 - Superstructure	108	104	-48	3	63				63		
Predicted Noise Level of this Project, dB (A)						73	73	73	73	59	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.

* Activities after Fire Service Department Staff Quarter in excluded area will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

Mitigated Construction Noise Impact

NSR: P17

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021	2022-2030			After 2030	
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*	Footbridge Construction (2 years)	
1) Zone 1											
Activity 5 - Superstructure	108	192	-54	3	58	58	58	58	58		
2) Zone 2											
Activity 5 - Superstructure	111	53	-42	3	71	71	71	71	71		
3) Zone 3											
Activity 5 - Superstructure	109	541	-63	3	49	49	49	49	49		
4) Anchorage Footbridge	104	611	-64	3	43	43	43	43	43		
5) Kowloon Park Footbridge (West)	104	301	-58	3	49					49	
6) Kowloon Park Footbridge (South)	104	242	-56	3	51					51	
7) West Concrete Batching Plant (Demolition)	97	800	-66	3	34	34					
8) West Pier (Optional)	112	1100	-69	3	46	46					
9) South Pier (Optional)	112	451	-61	3	54	54					
10) Viewing Platform (Optional)	108	123	-50	3	61	61					
11) Fire Services Department Staff Quarter Demolition	106	242	-56	3	53			53			
12) Excluded Area (Fire Service Department Staff											
Activity 1 - D Walling	104	242	-56	3	51				51		
Activity 2 - Bored Piling	108	242	-56	3	55				55		
Activity 3 - Excavation	100	242	-56	3	48				48		
Activity 4 - Basement and Underpass	106	242	-56	3	53				53		
Activity 5 - Superstructure	108	242	-56	3	56				56		
Predicted Noise Level of this Project, dB (A)						72	71	71	71	53	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.

* Activities after Fire Service Department Staff Quarter in excluded area will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

Mitigated Construction Noise Impact

NSR: P17

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021		2022-2030			After 2030	
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*	Footbridge Construction (2 years)	Min	Max
1) Zone 1												
Activity 5 - Superstructure	108	332	-58	3	53	53	53	53	53			
2) Zone 2												
Activity 5 - Superstructure	111	168	-53	3	61	61	61	61	61			
3) Zone 3												
Activity 5 - Superstructure	109	401	-60	3	52	52	52	52	52			
4) Anchorage Footbridge	104	476	-62	3	45	45	45	45	45			
5) Kowloon Park Footbridge (West)	104	456	-61	3	45							45
6) Kowloon Park Footbridge (South)	104	386	-60	3	47							47
7) West Concrete Batching Plant (Demolition)	97	651	-64	3	36	36						
8) West Pier (Optional)	112	951	-68	3	48	48						
9) South Pier (Optional)	112	351	-59	3	56	56						
10) Viewing Platform (Optional)	108	153	-52	3	60	60						
11) Fire Services Department Staff Quarter Demolition	106	376	-60	3	49			49				
12) Excluded Area (Fire Service Department Staff												
Activity 1 - D Walling	104	376	-60	3	47						47	
Activity 2 - Bored Piling	108	376	-60	3	51						51	
Activity 3 - Excavation	100	376	-60	3	44						44	
Activity 4 - Basement and Underpass	106	376	-60	3	49						49	
Activity 5 - Superstructure	108	376	-60	3	52						52	
Predicted Noise Level of this Project, dB (A)						65	62	62	63	49	49	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.

* Activities after Fire Service Department Staff Quarter in excluded area will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

Mitigated Construction Noise Impact

NSR: P17

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021		2022-2030			After 2030 Footbridge Construction (2 years)	
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*			
1) Zone 1												
Activity 5 - Superstructure	108	400	-60	3	51	51	51	51	51			
2) Zone 2												
Activity 5 - Superstructure	111	131	-50	3	63	63	63	63	63			
3) Zone 3												
Activity 5 - Superstructure	109	340	-59	3	53	53	53	53	53			
4) Anchorage Footbridge	104	515	-62	3	44	44	44	44	44			
5) Kowloon Park Footbridge (West)	104	510	-62	3	44						44	
6) Kowloon Park Footbridge (South)	104	440	-61	3	46						46	
7) West Concrete Batching Plant (Demolition)	97	625	-64	3	36	36						
8) West Pier (Optional)	112	890	-67	3	48	48						
9) South Pier (Optional)	112	251	-56	3	59	59						
10) Viewing Platform (Optional)	108	87	-47	3	65	65						
11) Fire Services Department Staff Quarter Demolition	106	242	-56	3	53			53				
12) Excluded Area (Fire Service Department Staff												
Activity 1 - D Walling	104	242	-56	3	51					51		
Activity 2 - Bored Piling	108	242	-56	3	55					55		
Activity 3 - Excavation	100	242	-56	3	48					48		
Activity 4 - Basement and Underpass	106	242	-56	3	53					53		
Activity 5 - Superstructure	108	242	-56	3	56					56		
Predicted Noise Level of this Project, dB (A)						68	64	64	65	48	68	
											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.

* Activities after Fire Service Department Staff Quarter in excluded area will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

Mitigated Construction Noise Impact

NSR: P29

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021		2022-2030			After 2030	
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*	Footbridge Construction (2 years)	Min	Max
1) Zone 1												
Activity 5 - Superstructure	108	628	-64	3	47	47	47	47	47			
2) Zone 2												
Activity 5 - Superstructure	111	90	-47	3	66	66	66	66	66			
3) Zone 3												
Activity 5 - Superstructure	109	161	-52	3	60	60	60	60	60			
4) Anchorage Footbridge	104	366	-59	3	47	47	47	47	47			
5) Kowloon Park Footbridge (West)	104	741	-65	3	41							41
6) Kowloon Park Footbridge (South)	104	671	-65	3	42							42
7) West Concrete Batching Plant (Demolition)	97	396	-60	3	40	40						
8) West Pier (Optional)	112	706	-65	3	50	50						
9) South Pier (Optional)	112	217	-55	3	60	60						
10) Viewing Platform (Optional)	108	374	-59	3	52	52						
11) Fire Services Department Staff Quarter Demolition	106	626	-64	3	45			45				
12) Excluded Area (Fire Service Department Staff Quarter)												
Activity 1 - D Walling	104	626	-64	3	43						43	
Activity 2 - Bored Piling	108	626	-64	3	47						47	
Activity 3 - Excavation	100	626	-64	3	39						39	
Activity 4 - Basement and Underpass	106	626	-64	3	45						45	
Activity 5 - Superstructure	108	626	-64	3	47						47	
Predicted Noise Level of this Project, dB (A)						68	67	67	67	47	45	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.

* Activities in excluded area including permanent underpass and superstructure construction will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

Mitigated Construction Noise Impact

NSR: P32a

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021		2022-2030			After 2030 Footbridge Construction (2 years)
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*		
1) Zone 1											
Activity 5 - Superstructure	108	642	-64	3	47	47	47	47	47		
2) Zone 2											
Activity 5 - Superstructure	111	36	-39	3	74	74	74	74	74		
3) Zone 3											
Activity 5 - Superstructure	109	169	-53	3	59	59	59	59	59		
4) Anchorage Footbridge	104	470	-61	3	45	45	45	45	45		
5) Kowloon Park Footbridge (West)	104	740	-65	3	41						41
6) Kowloon Park Footbridge (South)	104	663	-64	3	42						42
7) West Concrete Batching Plant (Demolition)	97	425	-61	3	39	39					
8) West Pier (Optional)	112	690	-65	3	50	50					
9) South Pier (Optional)	112	114	-49	3	66	66					
10) Viewing Platform (Optional)	108	335	-59	3	53	53					
11) Fire Services Department Staff Quarter Demolition	106	650	-64	3	44			44			
12) Excluded Area (Fire Service Department Staff Quarter)											
Activity 1 - D Walling	104	650	-64	3	42					42	
Activity 2 - Bored Piling	108	650	-64	3	46					46	
Activity 3 - Excavation	100	650	-64	3	39					39	
Activity 4 - Basement and Underpass	106	650	-64	3	44					44	
Activity 5 - Superstructure	108	650	-64	3	47					47	
Predicted Noise Level of this Project, dB (A)						75	74	74	74	45	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.

* Activities in excluded area including permanent underpass and superstructure construction will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.

Mitigated Construction Noise Impact

NSR: P32b

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (A)	Facade Correction, dB(A)	Calculated SPL, dB(A)	2021		2022-2030			After 2030 Footbridge Construction (2 years)
						Jan-Dec	Before FQ Relocation (Before 2025)	FQ Demolition (Half year)	Excluded Area Construction (3 years)*		
1) Zone 1											
Activity 5 - Superstructure	108	660	-64	3	47	47	47	47	47		
2) Zone 2											
Activity 5 - Superstructure	111	50	-42	3	72	72	72	72	72		
3) Zone 3											
Activity 5 - Superstructure	109	156	-52	3	60	60	60	60	60		
4) Anchorage Footbridge	104	475	-62	3	45	45	45	45	45		
5) Kowloon Park Footbridge (West)	104	755	-66	3	41						41
6) Kowloon Park Footbridge (South)	104	680	-65	3	42						42
7) West Concrete Batching Plant (Demolition)	97	420	-60	3	39	39					
8) West Pier (Optional)	112	680	-65	3	51	51					
9) South Pier (Optional)	112	109	-49	3	67	67					
10) Viewing Platform (Optional)	108	353	-59	3	52	52					
11) Fire Services Department Staff Quarter Demolition	106	650	-64	3	44			44			
12) Excluded Area (Fire Service Department Staff Quarter)											
Activity 1 - D Walling	104	650	-64	3	42					42	
Activity 2 - Bored Piling	108	650	-64	3	46					46	
Activity 3 - Excavation	100	650	-64	3	39					39	
Activity 4 - Basement and Underpass	106	650	-64	3	44					44	
Activity 5 - Superstructure	108	650	-64	3	47					47	
Predicted Noise Level of this Project, dB (A)						73	72	72	72	44	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.

* Activities in excluded area including permanent underpass and superstructure construction will not be carried out simultaneously. Therefore, maximum predicted noise level of those activities has been adopted as conservative approach.