

Item	PME	TM or other reference	SWL, dB(A)	No. of PME	% on time	Total SWL, dB(A)	
1	Zone 1						
	Activity 5 - Superstructure						
	Crane, tower (electric)	CNP 049	95	1	50%	92	
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	2	50%	112	
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	2	50%	105	
	Concrete pump, stationary/ lorry mounted	CNP 047	109	2	50%	109	
	Poker, vibratory, hand-held (electric)	[1]	102	5	50%	106	
	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	
	2	Zone 2					
		Activity 5 - Superstructure					
Group 1							
Crane, tower (electric)		CNP 049	95	4	50%	98	
Crane, mobile/ barge mounted (diesel)		CNP 048	112	4	50%	115	
Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne		[1]	105	4	50%	108	
Concrete pump, stationary/ lorry mounted		CNP 047	109	4	50%	112	
Poker, vibratory, hand-held (electric)		[1]	102	12	50%	110	
Bar bender and cutter (electric)		CNP 021	90	6	50%	95	
Generator, super silenced, 70 dB(A) at 7 m		CNP 103	95	4	100%	101	
Air compressor, air flow > 30m3/min		CNP 003	104	4	100%	110	
Concrete lorry mixer		CNP 044	109	4	50%	112	
Total SWL, dB (A)					120		
Group 2							
Drill/grinder, hand-held (electric)		CNP 065	98	12	30%	104	
Water pump (electric)		CNP 281	88	8	30%	92	
Excavator/ loader, wheeled/ tracked		CNP 081	112	8	30%	116	
Fork Lift Truck		[2]	104	8	30%	108	
Hoist, passenger/ material (electric)		CNP 122	95	8	30%	99	
Generator, super silenced, 70 dB(A) at 7 m		CNP 103	95	1	100%	95	
Total SWL, dB (A)					117		
Maximum SWL, dB (A)					120		
3		Zone 3					
	Activity 5 - Superstructure						
	Crane, tower (electric)	CNP 049	95	1	50%	92	
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	2	50%	112	
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	2	50%	105	
	Concrete pump, stationary/ lorry mounted	CNP 047	109	2	50%	109	
	Poker, vibratory, hand-held (electric)	[1]	102	10	50%	109	
	Bar bender and cutter (electric)	CNP 021	90	2	50%	90	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	2	100%	98	
	Air compressor, air flow > 30m3/min	CNP 003	104	1	100%	104	
	Concrete lorry mixer	CNP 044	109	2	50%	109	
	Drill/grinder, hand-held (electric)	CNP 065	98	6	30%	101	
	Water pump (electric)	CNP 281	88	4	30%	89	
	Excavator/ loader, wheeled/ tracked	CNP 081	112	4	30%	113	
	Fork Lift Truck	[2]	104	4	30%	105	
	Hoist, passenger/ material (electric)	CNP 122	95	4	30%	96	
	Total SWL, dB (A)					118	
	4/5/6	Flyover / Anchorage Footbridge / Kowloon Park Footbridge					
		Group 1					
Air compressor, air flow > 10m3/min and <= 30m3/min		CNP 002	102	1	100%	102	
Breaker, hand-held, mass > 35kg		CNP 026	114	1	30%	109	
Crane, mobile/ barge mounted (diesel)		CNP 048	112	1	100%	112	
Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne		[1]	105	1	70%	103	
Bar bender and cutter (electric)		CNP 021	90	1	80%	89	
Generator, super silenced, 70 dB(A) at 7 m		CNP 103	95	1	100%	95	
Total SWL, dB (A)					114		
Group 2							
Breaker, excavator mounted (pneumatic)		CNP 027	122	1	30%	117	
Breaker, hand-held, mass > 10kg and < 20kg		CNP 024	108	1	30%	103	
Concrete lorry mixer		CNP 044	109	1	50%	106	
Poker, vibratory, hand-held (electric)		[1]	102	2	50%	102	
Grout pump		[1]	105	1	20%	98	
Saw, circular, wood		CNP 201	108	1	80%	107	
Generator, super silenced, 70 dB(A) at 7 m		CNP 103	95	1	100%	95	
Total SWL, dB (A)					118		
Maximum SWL, dB (A)					118		
7	West Concrete Batching Plant (Demolition)						
	Tracked crane (30kW)	BS 5228 Table D.7/105	108	2	60%	109	
	Generator, silenced, 75 dB(A) at 7 m	CNP 102	100	2	60%	101	
	Welding set	[2]	78	2	60%	79	
Total SWL, dB (A)					109		
8/9	Pier Construction (Optional)						
	Group 1						
	Piling, large diameter bored, reverse circulation drill	CNP 166	100	1	100%	100	
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	60%	110	
	Tug boat	CNP 221	110	1	60%	108	
	Total SWL, dB (A)					112	
	Group 2						
	Concrete pump, stationary/ lorry mounted	CNP 047	109	2	100%	112	
	Concrete lorry mixer	CNP 044	109	4	60%	113	
	Water pump (electric)	CNP 281	88	4	100%	94	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	2	100%	98	
	Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	105	
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	60%	110	
	Tug boat	CNP 221	110	1	60%	108	
	Total SWL, dB (A)					117	

Item	PME	TM or other reference	SWL, dB(A)	No. of PME	% on time	Total SWL, dB(A)	
	Group 3						
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	60%	110	
	Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	105	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	2	100%	98	
	Concrete pump, stationary/ lorry mounted	CNP 047	109	2	100%	112	
	Concrete lorry mixer	CNP 044	109	2	60%	110	
	Poker, vibratory, hand-held (electric)	[1]	102	4	80%	107	
	Tug boat	CNP 221	110	1	60%	108	
	Total SWL, dB (A)						117
	Maximum SWL, dB (A)						117
10	Viewing Platform (Optional)						
	Group 1						
	Piling, large diameter bored, reverse circulation drill	CNP 166	100	1	100%	100	
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	80%	111	
	Tug boat	CNP 221	110	1	60%	108	
	Total SWL, dB (A)						113
	Group 2						
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	2	100%	115	
	Total SWL, dB (A)						115
	Maximum SWL, dB (A)						115
11	Fire Services Department Staff Quarter Demolition						
	Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	100%	105	
	Breaker, hand-held, mass > 35kg	CNP 026	114	2	30%	112	
	Crane, mobile/ barge mounted (diesel)	CNP 048	112	2	100%	115	
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	2	70%	106	
	Generator, silenced, 75 dB(A) at 7 m	CNP 102	100	2	60%	101	
	Welding set	[2]	78	2	60%	79	
	Total SWL, dB (A)						117
	Excluded Area (Fire Service Department Staff Quarter)						
	Activity 1 - D Walling						
Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	60%	110		
Air compressor, air flow > 10m3/min	CNP 003	104	1	100%	104		
Piling, diaphragm wall, hydraulic extractor	CNP 163	90	1	60%	88		
Excavator/ loader, wheeled/ tracked	CNP 081	112	1	60%	110		
Grout Mixer	[1]	90	1	60%	88		
Water pump, submersible (electric)	CNP 283	85	1	60%	83		
Dump truck	CNP 067	117	1	30%	112		
Concrete lorry mixer	CNP 044	109	1	60%	107		
Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	95		
Total SWL, dB (A)						116	
Activity 2 - Bored Piling							
Group 1							
Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	60%	110		
Excavator/ loader, wheeled/ tracked	CNP 081	112	1	30%	107		
Piling Rig	[2]	112	1	60%	110		
Drill Rig	[1]	110	1	60%	108		
Excavator/ loader, wheeled/ tracked	CNP 081	112	1	60%	110		
Piling, large diameter bored, grab and chisel	CNP 164	115	1	60%	113		
Piling, large diameter bored, reverse circulation drill	CNP 166	100	1	60%	98		
Piling, large diameter bored, oscillator	CNP 165	115	1	60%	113		
Air compressor, air flow > 30m3/min	CNP 003	104	1	100%	104		
Welding Set	[2]	78	1	60%	76		
Total SWL, dB (A)						119	
Group 2							
Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	60%	110		
Grout Mixer	[1]	90	1	60%	88		
Grout Pump	[1]	105	1	60%	103		
Bar bender and cutter (electric)	CNP 021	90	1	60%	88		
Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	95		
Dump truck	CNP 067	117	1	30%	112		
Concrete lorry mixer	CNP 044	109	1	60%	107		
Total SWL, dB (A)						115	
Maximum SWL, dB (A) of Activity 2						119	
Activity 3 - Excavation							
Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	60%	110		
Air compressor, air flow > 30m3/min	CNP 003	104	1	100%	104		
Excavator/ loader, wheeled/ tracked	CNP 081	112	1	60%	110		
Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	95		
Dump truck	CNP 067	117	2	30%	115		
Total SWL, dB (A)						117	
Activity 4 - Basement and Underpass							
Crane, tower (electric)	CNP 049	95	1	60%	93		
Crane, mobile/ barge mounted (diesel)	CNP 048	112	1	60%	110		
Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	1	60%	103		
Concrete pump, stationary/ lorry mounted	CNP 047	109	1	60%	107		
Poker, vibratory, hand-held (electric)	[1]	102	5	60%	107		
Bar bender and cutter (electric)	CNP 021	90	1	60%	88		
Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	95		
Air compressor, air flow > 30m3/min	CNP 003	104	1	100%	104		
Concrete lorry mixer	CNP 044	109	1	60%	107		
Total SWL, dB (A)						115	
Activity 5 - Superstructure							
Crane, tower (electric)	CNP 049	95	1	50%	92		
Crane, mobile/ barge mounted (diesel)	CNP 048	112	2	50%	112		
Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	2	50%	105		
Concrete pump, stationary/ lorry mounted	CNP 047	109	2	50%	109		
Poker, vibratory, hand-held (electric)	[1]	102	5	50%	106		
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	

Note: [1] Details extracted from EPD website: http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLs.pdf
 [2] SWL of Welding Plant and Piling Rig are referred to the Appendix 5.1 of approved EIA Report of Hong Kong Section of Guangzhou - Shenzhen - Hong Kong Express Rail Link (AEIAR-143/2009)

Unmitigated Construction Noise Impact

NSR: HT1 (The Harbourside Tower 1)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (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	118	515	-62	3	59	59	59	59	59		
2) Zone 2											
Activity 5 - Superstructure	120	184	-53	3	69	69	69	69	69		
3) Zone 3											
Activity 5 - Superstructure	118	303	-58	3	64	64	64	64	64		
4) Anchorage Footbridge	118	325	-58	3	63	63	63	63	63		
5) Kowloon Park Footbridge (West)	118	643	-64	3	57					57	
6) Kowloon Park Footbridge (South)	118	574	-63	3	58					58	
7) West Concrete Batching Plant (Demolition)	109	506	-62	3	50	50					
8) West Pier (Optional)	117	846	-67	3	54	54					
9) South Pier (Optional)	117	347	-59	3	62	62					
10) Viewing Platform (Optional)	115	342	-59	3	59	59					
11) Fire Services Department Staff Quarter Demolition	117	551	-63	3	58			58			
12) Excluded Area (Fire Service Department Staff											
Activity 1 - D Walling	116	551	-63	3	56				56		
Activity 2 - Bored Piling	119	551	-63	3	59				59		
Activity 3 - Excavation	117	551	-63	3	57				57		
Activity 4 - Basement and Underpass	115	551	-63	3	55				55		
Activity 5 - Superstructure	118	551	-63	3	58				58		
Predicted Noise Level of this Project, dB (A)						72	71	71	72	60	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.

Unmitigated Construction Noise Impact

NSR: HT3 (The Harbourside Tower 3)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (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	118	609	-64	3	57	57	57	57	57		
2) Zone 2											
Activity 5 - Superstructure	120	185	-53	3	69	69	69	69	69		
3) Zone 3											
Activity 5 - Superstructure	118	228	-55	3	66	66	66	66	66		
4) Anchorage Footbridge	118	272	-57	3	64	64	64	64	64		
5) Kowloon Park Footbridge (West)	118	732	-65	3	56					56	
6) Kowloon Park Footbridge (South)	118	663	-64	3	56					56	
7) West Concrete Batching Plant (Demolition)	109	419	-60	3	52	52					
8) West Pier (Optional)	117	756	-66	3	55	55					
9) South Pier (Optional)	117	327	-58	3	62	62					
10) Viewing Platform (Optional)	115	412	-60	3	58	58					
11) Fire Services Department Staff Quarter Demolition	117	626	-64	3	57			57			
12) Excluded Area (Fire Service Department Staff											
Activity 1 - D Walling	116	626	-64	3	55				55		
Activity 2 - Bored Piling	119	626	-64	3	58				58		
Activity 3 - Excavation	117	626	-64	3	56				56		
Activity 4 - Basement and Underpass	115	626	-64	3	54				54		
Activity 5 - Superstructure	118	626	-64	3	57				57		
Predicted Noise Level of this Project, dB (A)						73	72	72	72	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.

Unmitigated Construction Noise Impact

NSR: AST (The Arch - Sun Tower)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (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	118	425	-61	3	60	60	60	60	60		
2) Zone 2											
Activity 5 - Superstructure	120	238	-56	3	67	67	67	67	67		
3) Zone 3											
Activity 5 - Superstructure	118	392	-60	3	62	62	62	62	62		
4) Anchorage Footbridge	118	372	-59	3	61	61	61	61	61		
5) Kowloon Park Footbridge (West)	118	555	-63	3	58					58	
6) Kowloon Park Footbridge (South)	118	496	-62	3	59					59	
7) West Concrete Batching Plant (Demolition)	109	598	-64	3	49	49					
8) West Pier (Optional)	117	936	-67	3	53	53					
9) South Pier (Optional)	117	396	-60	3	60	60					
10) Viewing Platform (Optional)	115	297	-57	3	61	61					
11) Fire Services Department Staff Quarter Demolition	117	451	-61	3	59			59			
12) Excluded Area (Fire Service Department Staff											
Activity 1 - D Walling	116	451	-61	3	58					58	
Activity 2 - Bored Piling	119	451	-61	3	61					61	
Activity 3 - Excavation	117	451	-61	3	59					59	
Activity 4 - Basement and Underpass	115	451	-61	3	57					57	
Activity 5 - Superstructure	118	451	-61	3	60					60	
Predicted Noise Level of this Project, dB (A)						71	70	70	70	61	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.

* 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.

Unmitigated Construction Noise Impact

NSR: RD (Residential Development next to Austin Station)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (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	118	137	-51	3	70	70	70	70	70		
2) Zone 2											
Activity 5 - Superstructure	120	228	-55	3	67	67	67	67	67		
3) Zone 3											
Activity 5 - Superstructure	118	845	-67	3	55	55	55	55	55		
4) Anchorage Footbridge	118	754	-66	3	55	55	55	55	55		
5) Kowloon Park Footbridge (West)	118	240	-56	3	65						65
6) Kowloon Park Footbridge (South)	118	246	-56	3	65						65
7) West Concrete Batching Plant (Demolition)	109	1056	-68	3	44	44					
8) West Pier (Optional)	117	1391	-71	3	50	50					
9) South Pier (Optional)	117	771	-66	3	55	55					
10) Viewing Platform (Optional)	115	447	-61	3	57	57					
11) Fire Services Department Staff Quarter Demolition	117	190	-54	3	67			67			
12) Excluded Area (Fire Service Department Staff											
Activity 1 - D Walling	116	190	-54	3	66					66	
Activity 2 - Bored Piling	119	190	-54	3	68					68	
Activity 3 - Excavation	117	190	-54	3	67					67	
Activity 4 - Basement and Underpass	115	190	-54	3	64					64	
Activity 5 - Superstructure	118	190	-54	3	67					67	
Predicted Noise Level of this Project, dB (A)						72	72	73	74	68	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.

* 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.

Unmitigated Construction Noise Impact

NSR: WOB (Wai On Building)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (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	118	160	-52	3	69	69	69	69	69			
2) Zone 2												
Activity 5 - Superstructure	120	296	-57	3	65	65	65	65	65			
3) Zone 3												
Activity 5 - Superstructure	118	930	-67	3	54	54	54	54	54			
4) Anchorage Footbridge	118	835	-66	3	54	54	54	54	54			
5) Kowloon Park Footbridge (West)	118	223	-55	3	66							66
6) Kowloon Park Footbridge (South)	118	263	-56	3	64							64
7) West Concrete Batching Plant (Demolition)	109	1140	-69	3	43	43						
8) West Pier (Optional)	117	1475	-71	3	49	49						
9) South Pier (Optional)	117	845	-67	3	54	54						
10) Viewing Platform (Optional)	115	508	-62	3	56	56						
11) Fire Services Department Staff Quarter Demolition	117	185	-53	3	67			67				
12) Excluded Area (Fire Service Department Staff												
Activity 1 - D Walling	116	185	-53	3	66						66	
Activity 2 - Bored Piling	119	185	-53	3	69						69	
Activity 3 - Excavation	117	185	-53	3	67						67	
Activity 4 - Basement and Underpass	115	185	-53	3	64						64	
Activity 5 - Superstructure	118	185	-53	3	67						67	
Predicted Noise Level of this Project, dB (A)						71	71	72	73	68	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.

Unmitigated Construction Noise Impact

NSR: VT1 (The Victoria Towers - Tower 1)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (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	118	93	-47	3	73	73	73	73	73				
2) Zone 2													
Activity 5 - Superstructure	120	260	-56	3	66	66	66	66	66				
3) Zone 3													
Activity 5 - Superstructure	118	904	-67	3	54	54	54	54	54				
4) Anchorage Footbridge	118	871	-67	3	54	54	54	54	54				
5) Kowloon Park Footbridge (West)	118	93	-47	3	73								73
6) Kowloon Park Footbridge (South)	118	139	-51	3	70								70
7) West Concrete Batching Plant (Demolition)	109	1136	-69	3	43	43							
8) West Pier (Optional)	117	1451	-71	3	49	49							
9) South Pier (Optional)	117	786	-66	3	54	54							
10) Viewing Platform (Optional)	115	422	-61	3	58	58							
11) Fire Services Department Staff Quarter Demolition	117	70	-45	3	76			76					
12) Excluded Area (Fire Service Department Staff													
Activity 1 - D Walling	116	70	-45	3	74							74	
Activity 2 - Bored Piling	119	70	-45	3	77							77	
Activity 3 - Excavation	117	70	-45	3	75							75	
Activity 4 - Basement and Underpass	115	70	-45	3	73							73	
Activity 5 - Superstructure	118	70	-45	3	76							76	
Predicted Noise Level of this Project, dB (A)						74	74	78	79	75		74	79

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.

Unmitigated Construction Noise Impact

NSR: VT2 (The Victoria Towers - Tower 2)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (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	118	102	-48	3	73	73	73	73	73			
2) Zone 2												
Activity 5 - Superstructure	120	283	-57	3	66	66	66	66	66			
3) Zone 3												
Activity 5 - Superstructure	118	925	-67	3	54	54	54	54	54			
4) Anchorage Footbridge	118	874	-67	3	54	54	54	54	54			
5) Kowloon Park Footbridge (West)	118	137	-51	3	70						70	
6) Kowloon Park Footbridge (South)	118	187	-53	3	67						67	
7) West Concrete Batching Plant (Demolition)	109	1151	-69	3	43	43						
8) West Pier (Optional)	117	1471	-71	3	49	49						
9) South Pier (Optional)	117	816	-66	3	54	54						
10) Viewing Platform (Optional)	115	462	-61	3	57	57						
11) Fire Services Department Staff Quarter Demolition	117	109	-49	3	72			72				
12) Excluded Area (Fire Service Department Staff												
Activity 1 - D Walling	116	109	-49	3	70					70		
Activity 2 - Bored Piling	119	109	-49	3	73					73		
Activity 3 - Excavation	117	109	-49	3	71					71		
Activity 4 - Basement and Underpass	115	109	-49	3	69					69		
Activity 5 - Superstructure	118	109	-49	3	72					72		
Predicted Noise Level of this Project, dB (A)						74	74	76	76	72	76	
											Min	Max
											72	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 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.

Unmitigated Construction Noise Impact

NSR: LCS (Lai Chack Middle School)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (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	118	100	-48	3	73	73	73	73	73				
2) Zone 2													
Activity 5 - Superstructure	120	270	-57	3	66	66	66	66	66				
3) Zone 3													
Activity 5 - Superstructure	118	912	-67	3	54	54	54	54	54				
4) Anchorage Footbridge	118	903	-67	3	54	54	54	54	54				
5) Kowloon Park Footbridge (West)	118	33	-38	3	83							83	
6) Kowloon Park Footbridge (South)	118	105	-48	3	72							72	
7) West Concrete Batching Plant (Demolition)	109	1150	-69	3	43	43							
8) West Pier (Optional)	117	1455	-71	3	49	49							
9) South Pier (Optional)	117	780	-66	3	55	55							
10) Viewing Platform (Optional)	115	398	-60	3	58	58							
11) Fire Services Department Staff Quarter Demolition	117	50	-42	3	78			78					
12) Excluded Area (Fire Service Department Staff													
Activity 1 - D Walling	116	50	-42	3	77							77	
Activity 2 - Bored Piling	119	50	-42	3	80							80	
Activity 3 - Excavation	117	50	-42	3	78							78	
Activity 4 - Basement and Underpass	115	50	-42	3	76							76	
Activity 5 - Superstructure	118	50	-42	3	79							79	
Predicted Noise Level of this Project, dB (A)						74	74	80	81	83	74	83	

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

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

* 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.

Unmitigated Construction Noise Impact

NSR: CRGPS (Canton Road Government Primary School)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (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	118	115	-49	3	72	72	72	72	72			
2) Zone 2												
Activity 5 - Superstructure	120	280	-57	3	66	66	66	66	66			
3) Zone 3												
Activity 5 - Superstructure	118	916	-67	3	54	54	54	54	54			
4) Anchorage Footbridge	118	915	-67	3	54	54	54	54	54			
5) Kowloon Park Footbridge (West)	118	14	-31	3	90					90		
6) Kowloon Park Footbridge (South)	118	100	-48	3	73					73		
7) West Concrete Batching Plant (Demolition)	109	1155	-69	3	43	43						
8) West Pier (Optional)	117	1455	-71	3	49	49						
9) South Pier (Optional)	117	775	-66	3	55	55						
10) Viewing Platform (Optional)	115	400	-60	3	58	58						
11) Fire Services Department Staff Quarter Demolition	117	50	-42	3	78			78				
12) Excluded Area (Fire Service Department Staff												
Activity 1 - D Walling	116	50	-42	3	77				77			
Activity 2 - Bored Piling	119	50	-42	3	80				80			
Activity 3 - Excavation	117	50	-42	3	78				78			
Activity 4 - Basement and Underpass	115	50	-42	3	76				76			
Activity 5 - Superstructure	118	50	-42	3	79				79			
Predicted Noise Level of this Project, dB (A)						73	73	79	81	90	Min	Max
											73	90

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.

Unmitigated 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	118	48	-42	3	79	79	79					
2) Zone 2												
Activity 5 - Superstructure	120	172	-53	3	70	70	70					
3) Zone 3												
Activity 5 - Superstructure	118	810	-66	3	55	55	55					
4) Anchorage Footbridge	118	815	-66	3	55	55	55					
5) Kowloon Park Footbridge (West)	118	89	-47	3	74							
6) Kowloon Park Footbridge (South)	118	56	-43	3	78							
7) West Concrete Batching Plant (Demolition)	109	1050	-68	3	44	44						
8) West Pier (Optional)	117	1350	-71	3	50	50						
9) South Pier (Optional)	117	680	-65	3	56	56						
10) Viewing Platform (Optional)	115	311	-58	3	60	60						
11) Fire Services Department Staff Quarter Demolition												
12) Excluded Area (Fire Service Department Staff												
Activity 1 - D Walling												
Activity 2 - Bored Piling												
Activity 3 - Excavation												
Activity 4 - Basement and Underpass												
Activity 5 - Superstructure	118											
Predicted Noise Level of this Project, dB (A)						80	80			0	Min	Max
											80	80

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

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

* 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.

Unmitigated 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	118	59	-43	3	77	77	77				
2) Zone 2											
Activity 5 - Superstructure	120	181	-53	3	69	69	69				
3) Zone 3											
Activity 5 - Superstructure	118	808	-66	3	55	55	55				
4) Anchorage Footbridge	118	825	-66	3	55	55	55				
5) Kowloon Park Footbridge (West)	118	82	-46	3	75						
6) Kowloon Park Footbridge (South)	118	45	-41	3	80						
7) West Concrete Batching Plant (Demolition)	109	1053	-68	3	44	44					
8) West Pier (Optional)	117	1353	-71	3	50	50					
9) South Pier (Optional)	117	675	-65	3	56	56					
10) Viewing Platform (Optional)	115	306	-58	3	60	60					
11) Fire Services Department Staff Quarter Demolition											
12) Excluded Area (Fire Service Department Staff											
Activity 1 - D Walling											
Activity 2 - Bored Piling											
Activity 3 - Excavation											
Activity 4 - Basement and Underpass											
Activity 5 - Superstructure	118										
Predicted Noise Level of this Project, dB (A)						78	78				
										Min	Max
										78	78

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.

Unmitigated Construction Noise Impact

NSR: CUL (The Cullirian I)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB (A)	Distance (m)	Distance Correction, dB (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	118	759	-66	3	55	55	55	55	55		
2) Zone 2											
Activity 5 - Superstructure	120	333	-58	3	64	64	64	64	64		
3) Zone 3											
Activity 5 - Superstructure	118	377	-60	3	62	62	62	62	62		
4) Anchorage Footbridge	118	58	-43	3	78	78	78	78	78		
5) Kowloon Park Footbridge (West)	118	882	-67	3	54					54	
6) Kowloon Park Footbridge (South)	118	813	-66	3	55					55	
7) West Concrete Batching Plant (Demolition)	109	451	-61	3	51	51					
8) West Pier (Optional)	117	826	-66	3	54	54					
9) South Pier (Optional)	117	476	-62	3	59	59					
10) Viewing Platform (Optional)	115	561	-63	3	55	55					
11) Fire Services Department Staff Quarter Demolition	117	751	-66	3	55		55				
12) Excluded Area (Fire Service Department Staff											
Activity 1 - D Walling	116	751	-66	3	54					54	
Activity 2 - Bored Piling	119	751	-66	3	57					57	
Activity 3 - Excavation	117	751	-66	3	55					55	
Activity 4 - Basement and Underpass	115	751	-66	3	52					52	
Activity 5 - Superstructure	118	751	-66	3	55					55	
Predicted Noise Level of this Project, dB (A)						78	78	78	78	57	78

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.

Unmitigated 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)	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												
2) Zone 2												
Activity 5 - Superstructure												
3) Zone 3												
Activity 5 - Superstructure												
4) Anchorage Footbridge												
5) Kowloon Park Footbridge (West)	118	75	-46	3	75						75	
6) Kowloon Park Footbridge (South)	118	30	-38	3	83						83	
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												
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)											Min	Max
											0	84

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

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

* 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.

Unmitigated 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)	
1) Zone 1											
Activity 5 - Superstructure	118	124	-50	3	71	71	71	71	71		
2) Zone 2											
Activity 5 - Superstructure	120	35	-39	3	84	84	84	84	84		
3) Zone 3											
Activity 5 - Superstructure	118	663	-64	3	57	57	57	57	57		
4) Anchorage Footbridge	118	666	-64	3	56	56	56	56	56		
5) Kowloon Park Footbridge (West)	118	243	-56	3	65					65	
6) Kowloon Park Footbridge (South)	118	187	-53	3	67					67	
7) West Concrete Batching Plant (Demolition)	109	915	-67	3	45	45					
8) West Pier (Optional)	117	1215	-70	3	51	51					
9) South Pier (Optional)	117	566	-63	3	57	57					
10) Viewing Platform (Optional)	115	232	-55	3	63	63					
11) Fire Services Department Staff Quarter Demolition	117	104	-48	3	72			72			
12) Excluded Area (Fire Service Department Staff											
Activity 1 - D Walling	116	104	-48	3	71				71		
Activity 2 - Bored Piling	119	104	-48	3	74				74		
Activity 3 - Excavation	117	104	-48	3	72				72		
Activity 4 - Basement and Underpass	115	104	-48	3	69				69		
Activity 5 - Superstructure	118	104	-48	3	72				72		
Predicted Noise Level of this Project, dB (A)						84	84	84	84	69	84

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

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

* 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.

Unmitigated 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)	Min	Max
1) Zone 1												
Activity 5 - Superstructure	118	45	-41	3	80	80	80	80	80			
2) Zone 2												
Activity 5 - Superstructure	120	66	-44	3	78	78	78	78	78			
3) Zone 3												
Activity 5 - Superstructure	118	696	-65	3	57	57	57	57	57			
4) Anchorage Footbridge	118	711	-65	3	56	56	56	56	56			
5) Kowloon Park Footbridge (West)	118	162	-52	3	69							69
6) Kowloon Park Footbridge (South)	118	118	-49	3	71							71
7) West Concrete Batching Plant (Demolition)	109	950	-68	3	45	45						
8) West Pier (Optional)	117	1250	-70	3	50	50						
9) South Pier (Optional)	117	601	-64	3	57	57						
10) Viewing Platform (Optional)	115	252	-56	3	62	62						
11) Fire Services Department Staff Quarter Demolition	117	104	-48	3	72			72				
12) Excluded Area (Fire Service Department Staff												
Activity 1 - D Walling	116	104	-48	3	71						71	
Activity 2 - Bored Piling	119	104	-48	3	74						74	
Activity 3 - Excavation	117	104	-48	3	72						72	
Activity 4 - Basement and Underpass	115	104	-48	3	69						69	
Activity 5 - Superstructure	118	104	-48	3	72						72	
Predicted Noise Level of this Project, dB (A)						82	82	83	83	73	83	

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

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

* 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.

Unmitigated 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)	Min	Max
1) Zone 1												
Activity 5 - Superstructure	118	45	-41	3	80	80	80	80	80			
2) Zone 2												
Activity 5 - Superstructure	120	66	-44	3	78	78	78	78	78			
3) Zone 3												
Activity 5 - Superstructure	118	696	-65	3	57	57	57	57	57			
4) Anchorage Footbridge	118	711	-65	3	56	56	56	56	56			
5) Kowloon Park Footbridge (West)	118	162	-52	3	69							69
6) Kowloon Park Footbridge (South)	118	118	-49	3	71							71
7) West Concrete Batching Plant (Demolition)	109	950	-68	3	45	45						
8) West Pier (Optional)	117	1250	-70	3	50	50						
9) South Pier (Optional)	117	601	-64	3	57	57						
10) Viewing Platform (Optional)	115	252	-56	3	62	62						
11) Fire Services Department Staff Quarter Demolition	117	104	-48	3	72			72				
12) Excluded Area (Fire Service Department Staff												
Activity 1 - D Walling	116	104	-48	3	71						71	
Activity 2 - Bored Piling	119	104	-48	3	74						74	
Activity 3 - Excavation	117	104	-48	3	72						72	
Activity 4 - Basement and Underpass	115	104	-48	3	69						69	
Activity 5 - Superstructure	118	104	-48	3	72						72	
Predicted Noise Level of this Project, dB (A)						82	82	83	83	73	83	

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

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

* 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.

Unmitigated 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	118	192	-54	3	67	67	67	67	67			
2) Zone 2												
Activity 5 - Superstructure	120	53	-42	3	80	80	80	80	80			
3) Zone 3												
Activity 5 - Superstructure	118	541	-63	3	59	59	59	59	59			
4) Anchorage Footbridge	118	611	-64	3	57	57	57	57	57			
5) Kowloon Park Footbridge (West)	118	301	-58	3	63							63
6) Kowloon Park Footbridge (South)	118	242	-56	3	65							65
7) West Concrete Batching Plant (Demolition)	109	800	-66	3	46	46						
8) West Pier (Optional)	117	1100	-69	3	52	52						
9) South Pier (Optional)	117	451	-61	3	59	59						
10) Viewing Platform (Optional)	115	123	-50	3	68	68						
11) Fire Services Department Staff Quarter Demolition	117	242	-56	3	65			65				
12) Excluded Area (Fire Service Department Staff												
Activity 1 - D Walling	116	242	-56	3	64						64	
Activity 2 - Bored Piling	119	242	-56	3	66						66	
Activity 3 - Excavation	117	242	-56	3	64						64	
Activity 4 - Basement and Underpass	115	242	-56	3	62						62	
Activity 5 - Superstructure	118	242	-56	3	65						65	
Predicted Noise Level of this Project, dB (A)						81	80	81	81		67	81

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.

Unmitigated 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	118	332	-58	3	62	62	62	62	62		
2) Zone 2											
Activity 5 - Superstructure	120	168	-53	3	70	70	70	70	70		
3) Zone 3											
Activity 5 - Superstructure	118	401	-60	3	61	61	61	61	61		
4) Anchorage Footbridge	118	476	-62	3	59	59	59	59	59		
5) Kowloon Park Footbridge (West)	118	456	-61	3	60						60
6) Kowloon Park Footbridge (South)	118	386	-60	3	61						61
7) West Concrete Batching Plant (Demolition)	109	651	-64	3	48	48					
8) West Pier (Optional)	117	951	-68	3	53	53					
9) South Pier (Optional)	117	351	-59	3	61	61					
10) Viewing Platform (Optional)	115	153	-52	3	66	66					
11) Fire Services Department Staff Quarter Demolition	117	376	-60	3	61			61			
12) Excluded Area (Fire Service Department Staff											
Activity 1 - D Walling	116	376	-60	3	60					60	
Activity 2 - Bored Piling	119	376	-60	3	63					63	
Activity 3 - Excavation	117	376	-60	3	61					61	
Activity 4 - Basement and Underpass	115	376	-60	3	58					58	
Activity 5 - Superstructure	118	376	-60	3	61					61	
Predicted Noise Level of this Project, dB (A)						73	72	72	72	63	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.

Unmitigated 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	118	400	-60	3	61	61	61	61	61			
2) Zone 2												
Activity 5 - Superstructure	120	131	-50	3	72	72	72	72	72			
3) Zone 3												
Activity 5 - Superstructure	118	340	-59	3	63	63	63	63	63			
4) Anchorage Footbridge	118	515	-62	3	59	59	59	59	59			
5) Kowloon Park Footbridge (West)	118	510	-62	3	59							59
6) Kowloon Park Footbridge (South)	118	440	-61	3	60							60
7) West Concrete Batching Plant (Demolition)	109	625	-64	3	49	49						
8) West Pier (Optional)	117	890	-67	3	53	53						
9) South Pier (Optional)	117	251	-56	3	64	64						
10) Viewing Platform (Optional)	115	87	-47	3	71	71						
11) Fire Services Department Staff Quarter Demolition	117	242	-56	3	65			65				
12) Excluded Area (Fire Service Department Staff												
Activity 1 - D Walling	116	242	-56	3	64					64		
Activity 2 - Bored Piling	119	242	-56	3	66					66		
Activity 3 - Excavation	117	242	-56	3	64					64		
Activity 4 - Basement and Underpass	115	242	-56	3	62					62		
Activity 5 - Superstructure	118	242	-56	3	65					65		
Predicted Noise Level of this Project, dB (A)						76		73	74	74	62	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 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.

Unmitigated 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)	
1) Zone 1											
Activity 5 - Superstructure	118	628	-64	3	57	57	57	57	57		
2) Zone 2											
Activity 5 - Superstructure	120	90	-47	3	76	76	76	76	76		
3) Zone 3											
Activity 5 - Superstructure	118	161	-52	3	69	69	69	69	69		
4) Anchorage Footbridge	118	366	-59	3	62	62	62	62	62		
5) Kowloon Park Footbridge (West)	118	741	-65	3	55					55	
6) Kowloon Park Footbridge (South)	118	671	-65	3	56					56	
7) West Concrete Batching Plant (Demolition)	109	396	-60	3	52	52					
8) West Pier (Optional)	117	706	-65	3	55	55					
9) South Pier (Optional)	117	217	-55	3	66	66					
10) Viewing Platform (Optional)	115	374	-59	3	59	59					
11) Fire Services Department Staff Quarter Demolition	117	626	-64	3	57			57			
12) Excluded Area (Fire Service Department Staff											
Activity 1 - D Walling	116	626	-64	3	55					55	
Activity 2 - Bored Piling	119	626	-64	3	58					58	
Activity 3 - Excavation	117	626	-64	3	56					56	
Activity 4 - Basement and Underpass	115	626	-64	3	54					54	
Activity 5 - Superstructure	118	626	-64	3	57					57	
Predicted Noise Level of this Project, dB (A)						77	77	77	77	59	77

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.

Unmitigated 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	
						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	118	642	-64	3	57	57	57	57	57			
2) Zone 2												
Activity 5 - Superstructure	120	36	-39	3	83	83	83	83	83			
3) Zone 3												
Activity 5 - Superstructure	118	169	-53	3	69	69	69	69	69			
4) Anchorage Footbridge	118	470	-61	3	59	59	59	59	59			
5) Kowloon Park Footbridge (West)	118	740	-65	3	55							55
6) Kowloon Park Footbridge (South)	118	663	-64	3	56							56
7) West Concrete Batching Plant (Demolition)	109	425	-61	3	52	52						
8) West Pier (Optional)	117	690	-65	3	56	56						
9) South Pier (Optional)	117	114	-49	3	71	71						
10) Viewing Platform (Optional)	115	335	-59	3	59	59						
11) Fire Services Department Staff Quarter Demolition	117	650	-64	3	56			56				
12) Excluded Area (Fire Service Department Staff												
Activity 1 - D Walling	116	650	-64	3	55						55	
Activity 2 - Bored Piling	119	650	-64	3	58						58	
Activity 3 - Excavation	117	650	-64	3	56						56	
Activity 4 - Basement and Underpass	115	650	-64	3	53						53	
Activity 5 - Superstructure	118	650	-64	3	57						57	
Predicted Noise Level of this Project, dB (A)						84	84	84	84		59	84

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

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

* 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.

Unmitigated 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	
						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	118	660	-64	3	56	56	56	56	56			
2) Zone 2												
Activity 5 - Superstructure	120	50	-42	3	81	81	81	81	81			
3) Zone 3												
Activity 5 - Superstructure	118	156	-52	3	70	70	70	70	70			
4) Anchorage Footbridge	118	475	-62	3	59	59	59	59	59			
5) Kowloon Park Footbridge (West)	118	755	-66	3	55							55
6) Kowloon Park Footbridge (South)	118	680	-65	3	56							56
7) West Concrete Batching Plant (Demolition)	109	420	-60	3	52	52						
8) West Pier (Optional)	117	680	-65	3	56	56						
9) South Pier (Optional)	117	109	-49	3	72	72						
10) Viewing Platform (Optional)	115	353	-59	3	59	59						
11) Fire Services Department Staff Quarter Demolition	117	650	-64	3	56			56				
12) Excluded Area (Fire Service Department Staff												
Activity 1 - D Walling	116	650	-64	3	55						55	
Activity 2 - Bored Piling	119	650	-64	3	58						58	
Activity 3 - Excavation	117	650	-64	3	56						56	
Activity 4 - Basement and Underpass	115	650	-64	3	53						53	
Activity 5 - Superstructure	118	650	-64	3	57						57	
Predicted Noise Level of this Project, dB (A)						81	81	81	81		59	81

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.