

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								
	Group 1								
	Crane, tower (electric)	CNP 049	95	1	50%			92	
	Crane, mobile	EPD-01516	101	1	50%	-5	Movable Barrier	93	
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	1	50%	-5	Movable Barrier	97	
	Concrete pump, stationary/ lorry mounted	CNP 047	109	1	50%	-10	Movable Barrier	96	
	Poker, vibratory, hand-held (electric)	[1]	102	3	50%	-10	Movable Barrier	94	
	Bar bender and cutter (electric)	CNP 021	90	1	50%	-10	Movable Barrier	77	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	2	100%	-15	Enclosure	83	
	Air compressor, air flow > 30m3/min	CNP 003	104	1	100%	-15	Enclosure	89	
	Concrete lorry mixer	CNP 044	109	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	2	30%	-15	Enclosure	71	
	Excavator, wheeled/tracked	EPD-01230	99	2	30%	-5	Movable Barrier	92	
	Fork Lift Truck	[2]	104	2	30%	-5	Movable Barrier	97	
	Hoist, passenger/ material (electric)	CNP 122	95	2	30%			93	
								Total SWL, dB (A)	107
	Group 2								
	Crane, mobile	EPD-01516	101	1	50%	-5	Movable Barrier	93	
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	1	50%	-5	Movable Barrier	97	
	Concrete pump, stationary/ lorry mounted	CNP 047	109	1	50%	-10	Movable Barrier	96	
	Poker, vibratory, hand-held (electric)	[1]	102	2	50%	-10	Movable Barrier	92	
	Bar bender and cutter (electric)	CNP 021	90	1	50%	-10	Movable Barrier	77	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	-15	Enclosure	80	
	Water pump (electric)	CNP 281	88	1	30%	-15	Enclosure	68	
	Excavator, wheeled/tracked	EPD-01230	99	1	30%	-5	Movable Barrier	89	
	Fork Lift Truck	[2]	104	1	30%	-5	Movable Barrier	94	
	Hoist, passenger/ material (electric)	CNP 122	95	1	30%			90	
								Total SWL, dB (A)	102
								Maximum SWL, dB (A)	107
	2a	Zone 2 (for area with less plant) [3]							
		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	1	30%	-5	Movable Barrier	95	
							Total SWL, dB (A)	99	
Activity 4 - Basement and Underpass									
Crane, mobile		EPD-01516	101	1	60%	-5	Movable Barrier	94	
Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne		[1]	105	1	60%	-5	Movable Barrier	98	
Concrete pump, stationary/ lorry mounted		CNP 047	109	1	60%	-10	Movable Barrier	97	
Poker, vibratory, hand-held (electric)		[1]	102	5	60%	-10	Movable Barrier	97	
Bar bender and cutter (electric)		CNP 021	90	1	60%	-10	Movable Barrier	78	
Generator, super silenced, 70 dB(A) at 7 m		CNP 103	95	1	100%	-15	Enclosure	80	
Concrete lorry mixer		CNP 044	109	1	50%	-5	Movable Barrier	101	
							Total SWL, dB (A)	105	
2b		Zone 2 (for area with more plant) [3]							
		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	50%	-5	Movable Barrier	101	
								Total SWL, dB (A)	105
	2c	Zone 2 (for superstructure only)							
Activity 5 - Superstructure									
Crane, tower (electric)		CNP 049	95	4	50%			98	
Crane, mobile		EPD-01516	101	8	50%	-5	Movable Barrier	102	
Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne		[1]	105	8	50%	-5	Movable Barrier	106	
Concrete pump, stationary/ lorry mounted		CNP 047	109	8	50%	-10	Movable Barrier	105	
Poker, vibratory, hand-held (electric)		[1]	102	40	50%	-10	Movable Barrier	105	
Bar bender and cutter (electric)		CNP 021	90	8	50%	-10	Movable Barrier	86	
Generator, super silenced, 70 dB(A) at 7 m		CNP 103	95	9	100%	-15	Enclosure	90	
Air compressor, air flow > 30m3/min		CNP 003	104	4	100%	-15	Enclosure	95	
Concrete lorry mixer		CNP 044	109	8	50%	-5	Movable Barrier	110	
Drill/grinder, hand-held (electric)		CNP 065	98	20	30%	-10	Movable Barrier	96	
Water pump (electric)		CNP 281	88	14	30%	-15	Enclosure	79	
Excavator, wheeled/tracked		EPD-01230	99	14	30%	-5	Movable Barrier	100	
Fork Lift Truck		[2]	104	14	30%	-5	Movable Barrier	105	
Hoist, passenger/ material (electric)		CNP 122	95	14	30%			101	
							Total SWL, dB (A)	115	

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)	
3	Zone 3								
	Activity 3 - Excavation								
	Crane, mobile	EPD-01516	101	4	60%	-5	Movable Barrier	100	
	Air compressor, air flow > 30m3/min	CNP 003	104	4	100%	-15	Enclosure	95	
	Excavator, wheeled/tracked	EPD-01230	99	4	60%	-5	Movable Barrier	98	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	4	100%	-15	Enclosure	86	
	Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	6	30%	-5	Movable Barrier	103	
								Total SWL, dB (A)	106
	Activity 4 - Basement and Underpass								
	Crane, tower (electric)	CNP 049	95	2	60%			96	
	Crane, mobile	EPD-01516	101	4	60%	-5	Movable Barrier	100	
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	4	60%	-5	Movable Barrier	104	
	Concrete pump, stationary/ lorry mounted	CNP 047	109	4	60%	-10	Movable Barrier	103	
	Poker, vibratory, hand-held (electric)	[1]	102	20	60%	-10	Movable Barrier	103	
	Bar bender and cutter (electric)	CNP 021	90	4	60%	-10	Movable Barrier	84	
	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	2	100%	-15	Enclosure	92	
	Concrete lorry mixer	CNP 044	109	4	60%	-5	Movable Barrier	108	
								Total SWL, dB (A)	111
	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	Park Construction - Zone A							
		Activity 1 - Park Construction							
		Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	2	60%	-5	Movable Barrier	101
		Crane, mobile	EPD-01516	101	2	60%	-5	Movable Barrier	97
Excavator, wheeled/tracked		EPD-01230	99	2	60%	-5	Movable Barrier	95	
Generator, super silenced, 70 dB(A) at 7 m		CNP 103	95	2	100%	-15	Enclosure	83	
Lorry, 5.5 tonne < gross vehicle weight =< 38 tonne		[1]	105	2	60%	-5	Movable Barrier	101	
							Total SWL, dB (A)	105	
Activity 2 - 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	
							Maximum SWL, dB (A)	108	
5	Park Construction - Zone B								
	Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	1	60%	-5	Movable Barrier	98	
	Crane, mobile	EPD-01516	101	1	60%	-5	Movable Barrier	94	
	Excavator, wheeled/tracked	EPD-01230	99	1	60%	-5	Movable Barrier	92	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	-15	Enclosure	80	
	Lorry, 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	1	60%	-5	Movable Barrier	98	
							Total SWL, dB (A)	102	
6/7	ICC Footbridge / Flyover								
	Group 1								
	Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	1	100%	-15	Enclosure	87	
	Breaker, hand-held, mass > 35kg	CNP 026	114	2	30%	-10	Movable Barrier	102	
	Crane, mobile	EPD-01516	101	1	100%	-5	Movable Barrier	96	
	Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne	[1]	105	1	70%	-5	Movable Barrier	98	
	Bar bender and cutter (electric)	CNP 021	90	1	80%	-10	Movable Barrier	79	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	-15	Enclosure	80	
								Total SWL, dB (A)	104
	Group 2								
	Breaker, hand-held, mass > 35kg	CNP 026	114	2	30%	-10	Movable Barrier	102	
	Breaker, hand-held, mass > 10kg and < 20kg	CNP 024	108	1	30%	-10	Movable Barrier	93	
	Concrete lorry mixer	CNP 044	109	1	50%	-5	Movable Barrier	101	
	Poker, vibratory, hand-held (electric)	[1]	102	2	50%	-10	Movable Barrier	92	
	Grout pump	[1]	105	1	20%	-10	Movable Barrier	88	
	Saw, circular, wood	CNP 201	108	1	80%	-10	Movable Barrier	97	
	Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	1	100%	-15	Enclosure	80	
								Total SWL, dB (A)	106
								Maximum SWL, dB (A)	106

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)	
8	East Concrete Batching Plant (Operation)								
	Group 1								
		Excavator, wheeled/tracked	EPD-01230	99	1	60%	-5	Movable Barrier	92
		Concrete mixer (electric)	CNP 045	96	1	60%	-10	Movable Barrier	84
		Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	2	60%	-15	Enclosure	81
		Concrete mixer (petrol)	CNP 046	96	3	60%	-10	Movable Barrier	89
		Concrete lorry mixer	CNP 044	109	2	60%	-5	Movable Barrier	105
		Batching plant	CNP 022	108	1	60%			106
		Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	60%	-15	Enclosure	88
		Dump truck, 5.5 tonne < gross vehicle weight <= 38 tonne	[1]	105	1	30%	-5	Movable Barrier	95
		Total SWL, dB (A)							109
		Group 2							
		Excavator, wheeled/tracked	EPD-01230	99	1	60%	-5	Movable Barrier	92
		Concrete mixer (electric)	CNP 045	96	1	60%	-10	Movable Barrier	84
		Generator, super silenced, 70 dB(A) at 7 m	CNP 103	95	2	60%	-15	Enclosure	81
		Concrete mixer (petrol)	CNP 046	96	3	60%	-10	Movable Barrier	89
		Concrete lorry mixer	CNP 044	109	2	60%	-5	Movable Barrier	105
		Batching plant	CNP 022	108	1	60%			106
		Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	102	2	60%	-15	Enclosure	88
		Dump truck, 5.5 tonne < gross vehicle weight <= 38 tonne	[1]	105	1	30%	-5	Movable Barrier	95
		Total SWL, dB (A)							109
		Maximum SWL, dB (A)							109
	9	Barging Points							
			Derrick barge	CNP 061	104	1	60%		
		Tug boat	CNP 221	110	1	60%			108
		Dump truck, 5.5 tonne < gross vehicle weight <= 38 tonne	[1]	105	6	30%	-5	Movable Barrier	103
		Excavator, wheeled/tracked	EPD-01230	99	1	60%	-5	Movable Barrier	92
		Conveyor belt	CNP 041	90	1	60%			88
	Total SWL, dB (A)							110	
10	Modification of seawalls and construction of seawater outfalls								
		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	
11/12	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
		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	
13	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	1	80%	-5	Movable Barrier	95
		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

Note: [1] Details extracted from EPD website: http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

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

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

Mitigated Construction Noise Impact

NSR: HT1 (The Harbourside Tower 1)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB	Distance (m)	Distance Correction, dB	Facade Correction, dB	Calculated SPL, dB(A)	2015												2016			
						4	5	6	7	8	9	10	11	12	1	2	3	4			
1) Zone 1																					
Activity 5 - Superstructure	107	481	-62	3	48	48	48	48	48	48	48	48	48	48	48	48	48				
2) Zone 2																					
Activity 3 - Excavation																					
Zone 2.1	100	116	-49	3	54	54	54	54	54	54	54	54	54	54	54	54	54				
Zone 2.2	100	102	-48	3	55	55	55	55	55	55	55	55	55	55	55	55	55				
Zone 2.3	99	203	-54	3	48	48	48	48	48	48	48	48	48	48	48	48	48				
Zone 2.4	99	357	-59	3	43	43	43	43	43	43	43	43	43	43	43	43	43				
Zone 2.5	99	377	-60	3	42	42	42	42	42	42	42	42	42	42	42	42	42				
Zone 2.6	99	258	-56	3	46	46	46	46	46	46	46	46	46	46	46	46	46				
Zone 2.7	100	179	-53	3	50	50	50	50	50	50	50	50	50	50	50	50	50				
Zone 2.8	100	228	-55	3	48	48	48	48	48	48	48	48	48	48	48	48	48				
Activity 4 - Basement and Underpass																					
Zone 2.1	105	116	-49	3	59	59	59	59	59	59	59	59	59	59	59	59	59				
Zone 2.2	105	102	-48	3	60	60	60	60	60	60	60	60	60	60	60	60	60				
Zone 2.3	105	203	-54	3	54	54	54	54	54	54	54	54	54	54	54	54	54				
Zone 2.4	105	357	-59	3	49	49	49	49	49	49	49	49	49	49	49	49	49				
Zone 2.5	105	377	-60	3	48	48	48	48	48	48	48	48	48	48	48	48	48				
Zone 2.6	105	258	-56	3	52	52	52	52	52	52	52	52	52	52	52	52	52				
Zone 2.7	105	179	-53	3	55	55	55	55	55	55	55	55	55	55	55	55	55				
Zone 2.8	105	228	-55	3	53	53	53	53	53	53	53	53	53	53	53	53	53				
Activity 5 - Superstructure																					
Lyric Theatre	115	258	-56	3	61									61	61	61	61				
CCP	115	282	-57	3	61									61	61	61	61				
3) Zone 3																					
Activity 3 - Excavation	106	317	-58	3	51	51	51	51	51	51	51	51									
Activity 4 - Basement and Underpass	111	317	-58	3	56								56	56	56	56	56				
Activity 5 - Superstructure	109	256	-56	3	56												56				
4) Park Construction - Zone A	108	576	-63	3	48	48															
5) Park Construction - Zone B	102	264	-56	3	49		49	49	49	49	49	49	49	49	49	49	49				
6) ICC Footbridge	106	211	-54	3	54																
7) Flyover	106	285	-57	3	52	52	52	52	52	52	52	52	52	52	52	52	52				
8) East Concrete Batching Plant (Operation)	109	461	-61	3	50	50	50	50	50	50	50	50	50	50	50	50	50				
9) Barging Point (BP)																					
BP4	110	307	-58	3	55	55	55	55	55	55	55	55	55	55	55	55	55				
BP5	110	327	-58	3	54	54	54	54	54	54	54	54	54	54	54	54	54				
BP6	110	506	-62	3	51	51	51	51	51	51	51	51	51	51	51	51	51				
BP7	110	616	-64	3	49	49	49	49	49	49	49	49	49	49	49	49	49				
10) Modification of seawalls / construction of seawater outfalls																					
Outfall of WKCD DCWS	112	292	-57	3	57					57	57	57	57	57							
Outfall of Independent Cooling System for Freespace	112	761	-66	3	49				49	49	49	49	49	49	49						
11) West Pier (Optional)	112	846	-67	3	49	49	49	49	49	49	49	49	49	49	49	49	49				
12) South Pier (Optional)	112	347	-59	3	56	56	56	56	56	56	56	56	56	56	56	56	56				
13) Viewing Platform (Optional)	108	342	-59	3	52	52	52	52	52	52	52	52	52	52	52	52	52				
Predicted Noise Level of this Project, dB (A)																					
Predicted Noise Level of Express Rail Link, dB(A)¹																					
Overall Cumulative Noise Level, dB(A)																					
						68	68	68	68	68	68	68	68	70	70	69	70				
						63	63	61													
						69	69	68	68	68	68	68	68	70	70	69	70				
						68	70	69	70	68	70	69	70	68	70	69	70				
						68	70	69	70	68	70	69	70	68	70	69	70				

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

1) Predicted Noise Levels are referred to NSR WK9 in Appendix 5.8 of approved EIA of Express Rail Link (AEIAR-143/2009). Delaying of 6 months of WKT construction programme in VEP have been included in predicted noise level.

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

Mitigated Construction Noise Impact

NSR: HT3 (The Harbourside Tower 3)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB	Distance (m)	Distance Correction, dB	Facade Correction,	Calculated SPL, dB(A)	2015												2016		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 1																				
Activity 5 - Superstructure	107	576	-63	3	47	47	47	47	47	47	47	47	47	47	47	47	47			
2) Zone 2																				
Activity 3 - Excavation																				
Zone 2.1	100	111	-49	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
Zone 2.2	100	169	-53	3	51	51	51	51	51	51	51	51	51	51	51	51	51			
Zone 2.3	99	302	-58	3	44	44	44	44	44	44	44	44	44	44	44	44	44			
Zone 2.4	99	446	-61	3	41	41	41	41	41	41	41	41	41	41	41	41	41			
Zone 2.5	99	456	-61	3	41	41	41	41	41	41	41	41	41	41	41	41	41			
Zone 2.6	99	342	-59	3	43	43	43	43	43	43	43	43	43	43	43	43	43			
Zone 2.7	100	228	-55	3	48	48	48	48	48	48	48	48	48	48	48	48	48			
Zone 2.8	100	208	-54	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
Activity 4 - Basement and Underpass																				
Zone 2.1	105	111	-49	3	59	59	59	59	59	59	59	59	59	59	59	59	59			
Zone 2.2	105	169	-53	3	56	56	56	56	56	56	56	56	56	56	56	56	56			
Zone 2.3	105	302	-58	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
Zone 2.4	105	446	-61	3	47	47	47	47	47	47	47	47	47	47	47	47	47			
Zone 2.5	105	456	-61	3	47	47	47	47	47	47	47	47	47	47	47	47	47			
Zone 2.6	105	342	-59	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
Zone 2.7	105	228	-55	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
Zone 2.8	105	208	-54	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
Activity 5 - Superstructure																				
Lyric Theatre	115	382	-60	3	58										58	58	58			
CCP	115	218	-55	3	63										63	63	63			
3) Zone 3																				
Activity 3 - Excavation																				
Activity 4 - Basement and Underpass	111	227	-55	3	59									59	59	59	59			
Activity 5 - Superstructure	109	180	-53	3	59												59			
4) Park Construction - Zone A																				
Activity 5 - Superstructure																				
4) Park Construction - Zone A	108	525	-62	3	49	49														
5) Park Construction - Zone B																				
Activity 5 - Superstructure																				
5) Park Construction - Zone B	102	283	-57	3	48		48	48	48	48	48	48	48	48	48	48	48			
6) ICC Footbridge																				
Activity 5 - Superstructure																				
6) ICC Footbridge	106	125	-50	3	59															
7) Flyover																				
Activity 5 - Superstructure																				
7) Flyover	106	198	-54	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
8) East Concrete Batching Plant (Operation)																				
Activity 5 - Superstructure																				
8) East Concrete Batching Plant (Operation)	109	553	-63	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
9) Barging Point (BP)																				
Activity 5 - Superstructure																				
BP4	110	302	-58	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
BP5	110	312	-58	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
BP6	110	461	-61	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
BP7	110	576	-63	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
10) Modification of seawalls / construction of seawater outfalls																				
Activity 5 - Superstructure																				
Outfall of WKCD DCWS	112	297	-57	3	57					57	57	57	57	57	57					
Outfall of Independent Cooling System for Freespace	112	701	-65	3	50					50	50	50	50	50	50					
11) West Pier (Optional)																				
Activity 5 - Superstructure																				
11) West Pier (Optional)	112	756	-66	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
12) South Pier (Optional)																				
Activity 5 - Superstructure																				
12) South Pier (Optional)	112	327	-58	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
13) Viewing Platform (Optional)																				
Activity 5 - Superstructure																				
13) Viewing Platform (Optional)	108	412	-60	3	51	51	51	51	51	51	51	51	51	51	51	51	51			
Predicted Noise Level of this Project, dB (A)															2015	2016				
Predicted Noise Level of Express Rail Link, dB(A)¹															Min	Max				
															67	69				
															Min	Max				
															67	69				
Overall Cumulative Noise Level, dB(A)															2015	2016				
															Min	Max				
															67	69				
															Min	Max				
															67	69				

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

- Predicted Noise Levels are referred to NSR WK10 in Appendix 5.8 of approved EIA of Express Rail Link (AEIAR-143/2009). Delaying of 6 months of WKT construction programme in VEP have been included in predicted noise level.
- Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

Mitigated Construction Noise Impact

NSR: AST (The Arch - Sun Tower)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB	Distance (m)	Distance Correction, dB	Facade Correction,	Calculated SPL, dB(A)	2015										2016			
						4	5	6	7	8	9	10	11	12	1	2	3		
1) Zone 1																			
Activity 5 - Superstructure	107	391	-60	3	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
2) Zone 2																			
Activity 3 - Excavation																			
Zone 2.1	100	178	-53	3	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Zone 2.2	100	92	-47	3	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
Zone 2.3	99	139	-51	3	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
Zone 2.4	99	257	-56	3	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
Zone 2.5	99	302	-58	3	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
Zone 2.6	99	203	-54	3	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
Zone 2.7	100	188	-53	3	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Zone 2.8	100	282	-57	3	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
Activity 4 - Basement and Underpass																			
Zone 2.1	105	178	-53	3	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
Zone 2.2	105	92	-47	3	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
Zone 2.3	105	139	-51	3	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
Zone 2.4	105	257	-56	3	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
Zone 2.5	105	302	-58	3	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Zone 2.6	105	203	-54	3	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
Zone 2.7	105	188	-53	3	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
Zone 2.8	105	282	-57	3	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
Activity 5 - Superstructure																			
Lyric Theatre	115	337	-59	3	59										59	59	59	59	59
CCP	115	203	-54	3	63										63	63	63	63	63
3) Zone 3																			
Activity 3 - Excavation	106	411	-60	3	48	48	48	48	48	48	48								
Activity 4 - Basement and Underpass	111	411	-60	3	54							54	54	54	54	54	54	54	54
Activity 5 - Superstructure	109	341	-59	3	53														53
4) Park Construction - Zone A	108	650	-64	3	47	47													
5) Park Construction - Zone B	102	262	-56	3	49		49	49	49	49	49	49	49	49	49	49	49	49	49
6) ICC Footbridge	106	298	-57	3	51														
7) Flyover	106	379	-60	3	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
8) East Concrete Batching Plant (Operation)	109	377	-60	3	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
9) Barging Point (BP)																			
BP4	110	357	-59	3	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
BP5	110	387	-60	3	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
BP6	110	576	-63	3	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
BP7	110	691	-65	3	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
10) Modification of seawalls / construction of seawater outfalls																			
Outfall of WKCD DCWS	112	337	-59	3	56					56	56	56	56	56	56	56			
Outfall of Independent Cooling System for Freespace	112	836	-66	3	48				48	48	48	48	48	48	48	48			
11) West Pier (Optional)	112	936	-67	3	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
12) South Pier (Optional)	112	396	-60	3	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
13) Viewing Platform (Optional)	108	297	-57	3	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
Predicted Noise Level of this Project, dB (A)																			
Predicted Noise Level of Express Rail Link, dB(A)¹																			
Overall Cumulative Noise Level, dB(A)																			
														2015	2016				
														Min	Max	Min	Max		
														67	70	69	70		
														2015	2016				
														Min	Max	Min	Max		
														68	71	69	70		

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

- 1) Predicted Noise Levels are referred to NSR WK14 in Appendix 5.8 of approved EIA of Express Rail Link (AEIAR-143/2009). Delaying of 6 months of WKT construction programme in VEP have been included in predicted noise level.
- 2) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

Mitigated Construction Noise Impact

NSR: RD (Residential Development next to Austin Station)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB	Distance (m)	Distance Correction, dB	Facade Correction,	Calculated SPL, dB(A)	2015												2016		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 1																				
Activity 5 - Superstructure	107	99	-48	3	62	62	62	62	62	62	62	62	62	62	62	62	62			
2) Zone 2																				
Activity 3 - Excavation																				
Zone 2.1	100	621	-64	3	39	39	39	39	39	39	39	39	39	39	39	39	39			
Zone 2.2	100	454	-61	3	42	42	42	42	42	42	42	42	42	42	42	42	42			
Zone 2.3	99	303	-58	3	44	44	44	44	44	44	44	44	44	44	44	44	44			
Zone 2.4	99	158	-52	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
Zone 2.5	99	224	-55	3	47	47	47	47	47	47	47	47	47	47	47	47	47			
Zone 2.6	99	330	-58	3	44	44	44	44	44	44	44	44	44	44	44	44	44			
Zone 2.7	100	492	-62	3	41	41	41	41	41	41	41	41	41	41	41	41	41			
Zone 2.8	100	664	-64	3	39	39	39	39	39	39	39	39	39	39	39	39	39			
Activity 4 - Basement and Underpass																				
Zone 2.1	105	621	-64	3	44	44	44	44	44	44	44	44	44	44	44	44	44			
Zone 2.2	105	454	-61	3	47	47	47	47	47	47	47	47	47	47	47	47	47			
Zone 2.3	105	303	-58	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
Zone 2.4	105	158	-52	3	56	56	56	56	56	56	56	56	56	56	56	56	56			
Zone 2.5	105	224	-55	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
Zone 2.6	105	330	-58	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
Zone 2.7	105	492	-62	3	46	46	46	46	46	46	46	46	46	46	46	46	46			
Zone 2.8	105	664	-64	3	44	44	44	44	44	44	44	44	44	44	44	44	44			
Activity 5 - Superstructure																				
Lyric Theatre	115	771	-66	3	52									52	52	52	52			
CCP	115	267	-57	3	61									61	61	61	61			
3) Zone 3																				
Activity 3 - Excavation																				
Activity 4 - Basement and Underpass	111	864	-67	3	48									48	48	48	48			
Activity 5 - Superstructure	109	822	-66	3	45												45			
4) Park Construction - Zone A																				
Activity 5 - Superstructure	108	1036	-68	3	43	43														
5) Park Construction - Zone B																				
Activity 5 - Superstructure	102	251	-56	3	49		49	49	49	49	49	49	49	49	49	49	49			
6) ICC Footbridge																				
Activity 5 - Superstructure	106	759	-66	3	43															
7) Flyover																				
Activity 5 - Superstructure	106	837	-66	3	42	42	42	42	42	42	42	42	42	42	42	42	42			
8) East Concrete Batching Plant (Operation)																				
Activity 5 - Superstructure	109	165	-52	3	59	59	59	59	59	59	59	59	59	59	59	59	59			
9) Barging Point (BP)																				
BP4	110	731	-65	3	48	48	48	48	48	48	48	48	48	48	48	48	48			
BP5	110	776	-66	3	47	47	47	47	47	47	47	47	47	47	47	47	47			
BP6	110	986	-68	3	45	45	45	45	45	45	45	45	45	45	45	45	45			
BP7	110	1086	-69	3	44	44	44	44	44	44	44	44	44	44	44	44	44			
10) Modification of seawalls / construction of seawater outfalls																				
Outfall of WKCD DCWS	112	701	-65	3	50				50	50	50	50	50	50	50	50	50			
Outfall of Independent Cooling System for Freespace	112	1251	-70	3	45				45	45	45	45	45	45	45	45	45			
11) West Pier (Optional)																				
Activity 5 - Superstructure	117	1391	-71	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
12) South Pier (Optional)																				
Activity 5 - Superstructure	117	771	-66	3	55	55	55	55	55	55	55	55	55	55	55	55	55			
13) Viewing Platform (Optional)																				
Activity 5 - Superstructure	115	447	-61	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
Predicted Noise Level of this Project, dB (A)																				
Predicted Noise Level of Express Rail Link, dB(A)¹																				
Overall Cumulative Noise Level, dB(A)																				
															2015	2016				
															Min	Max	Min	Max		
															67	68	68	68		
															2015	2016				
															Min	Max	Min	Max		
															67	70	68	68		

Note: Bold figure in shaded box denotes exceedance of relevant construction noise criteria
 1) Predicted Noise Levels are referred to NSR WK12 in Appendix G of Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility.
 2) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

Mitigated Construction Noise Impact

NSR: WOB (Wai On Building)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB	Distance (m)	Distance Correction, dB	Facade Correction,	Calculated SPL, dB(A)	2015												2016		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 1																				
Activity 5 - Superstructure	107	100	-48	3	62	62	62	62	62	62	62	62	62	62	62	62	62			
2) Zone 2																				
Activity 3 - Excavation																				
Zone 2.1	100	695	-65	3	38	38	38	38	38	38	38	38	38	38	38	38	38			
Zone 2.2	100	525	-62	3	41	41	41	41	41	41	41	41	41	41	41	41	41			
Zone 2.3	99	370	-59	3	43	43	43	43	43	43	43	43	43	43	43	43	43			
Zone 2.4	99	225	-55	3	47	47	47	47	47	47	47	47	47	47	47	47	47			
Zone 2.5	99	260	-56	3	46	46	46	46	46	46	46	46	46	46	46	46	46			
Zone 2.6	99	405	-60	3	42	42	42	42	42	42	42	42	42	42	42	42	42			
Zone 2.7	100	570	-63	3	40	40	40	40	40	40	40	40	40	40	40	40	40			
Zone 2.8	100	750	-66	3	38	38	38	38	38	38	38	38	38	38	38	38	38			
Activity 4 - Basement and Underpass																				
Zone 2.1	105	695	-65	3	43	43	43	43	43	43	43	43	43	43	43	43	43			
Zone 2.2	105	525	-62	3	46	46	46	46	46	46	46	46	46	46	46	46	46			
Zone 2.3	105	370	-59	3	48	48	48	48	48	48	48	48	48	48	48	48	48			
Zone 2.4	105	225	-55	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
Zone 2.5	105	260	-56	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
Zone 2.6	105	405	-60	3	48	48	48	48	48	48	48	48	48	48	48	48	48			
Zone 2.7	105	570	-63	3	45	45	45	45	45	45	45	45	45	45	45	45	45			
Zone 2.8	105	750	-66	3	43	43	43	43	43	43	43	43	43	43	43	43	43			
Activity 5 - Superstructure																				
Lyric Theatre	115	851	-67	3	51										51	51	51			
CCP	115	352	-59	3	59										59	59	59			
3) Zone 3																				
Activity 3 - Excavation																				
Activity 4 - Basement and Underpass	111	946	-68	3	47									47	47	47	47			
Activity 5 - Superstructure	109	876	-67	3	45												45			
4) Park Construction - Zone A																				
Activity 5 - Superstructure	108	1107	-69	3	42	42														
5) Park Construction - Zone B																				
Activity 5 - Superstructure	102	282	-57	3	48		48	48	48	48	48	48	48	48	48	48	48			
6) ICC Footbridge																				
Activity 5 - Superstructure	106	840	-66	3	42															
7) Flyover																				
Activity 5 - Superstructure	106	922	-67	3	41	41	41	41	41	41	41	41	41	41	41	41	41			
8) East Concrete Batching Plant (Operation)																				
Activity 5 - Superstructure	109	215	-55	3	57	57	57	57	57	57	57	57	57	57	57	57	57			
9) Barging Point (BP)																				
BP4	110	805	-66	3	47	47	47	47	47	47	47	47	47	47	47	47	47			
BP5	110	850	-67	3	46	46	46	46	46	46	46	46	46	46	46	46	46			
BP6	110	1060	-69	3	44	44	44	44	44	44	44	44	44	44	44	44	44			
BP7	110	1160	-69	3	43	43	43	43	43	43	43	43	43	43	43	43	43			
10) Modification of seawalls / construction of seawater outfalls																				
Outfall of WKCD DCWS	112	775	-66	3	49				49	49	49	49	49	49						
Outfall of Independent Cooling System for Freespace	112	1325	-70	3	44				44	44	44	44	44	44						
11) West Pier (Optional)																				
Activity 5 - Superstructure	112	1475	-71	3	44	44	44	44	44	44	44	44	44	44	44	44	44			
12) South Pier (Optional)																				
Activity 5 - Superstructure	112	845	-67	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
13) Viewing Platform (Optional)																				
Activity 5 - Superstructure	108	508	-62	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
															2015		2016			
Predicted Noise Level of this Project, dB (A)															65	65	65	65		
Predicted Noise Level of Express Rail Link, dB(A)¹															49	49	49	49		
															2015		2016			
															Min	Max	Min	Max		
Overall Cumulative Noise Level, dB(A)															65	65	65	65		

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

- Predicted Noise Levels are referred to NSR WKS in Appendix G of Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility.
- Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

Mitigated Construction Noise Impact

NSR: VT1 (The Victoria Towers - Tower 1)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB	Distance (m)	Distance Correction, dB	Facade Correction,	Calculated SPL, dB(A)	2015												2016		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 1																				
Activity 5 - Superstructure	107	74	-45	3	65	65	65	65	65	65	65	65	65	65	65	65	65			
2) Zone 2																				
Activity 3 - Excavation																				
Zone 2.1	100	676	-65	3	39	39	39	39	39	39	39	39	39	39	39	39	39			
Zone 2.2	100	502	-62	3	41	41	41	41	41	41	41	41	41	41	41	41	41			
Zone 2.3	99	343	-59	3	43	43	43	43	43	43	43	43	43	43	43	43	43			
Zone 2.4	99	205	-54	3	48	48	48	48	48	48	48	48	48	48	48	48	48			
Zone 2.5	99	195	-54	3	48	48	48	48	48	48	48	48	48	48	48	48	48			
Zone 2.6	99	353	-59	3	43	43	43	43	43	43	43	43	43	43	43	43	43			
Zone 2.7	100	517	-62	3	41	41	41	41	41	41	41	41	41	41	41	41	41			
Zone 2.8	100	716	-65	3	38	38	38	38	38	38	38	38	38	38	38	38	38			
Activity 4 - Basement and Underpass																				
Zone 2.1	105	676	-65	3	44	44	44	44	44	44	44	44	44	44	44	44	44			
Zone 2.2	105	502	-62	3	46	46	46	46	46	46	46	46	46	46	46	46	46			
Zone 2.3	105	343	-59	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
Zone 2.4	105	205	-54	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
Zone 2.5	105	195	-54	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
Zone 2.6	105	353	-59	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
Zone 2.7	105	517	-62	3	46	46	46	46	46	46	46	46	46	46	46	46	46			
Zone 2.8	105	716	-65	3	43	43	43	43	43	43	43	43	43	43	43	43	43			
Activity 5 - Superstructure																				
Lyric Theatre	115	811	-66	3	51										51	51	51			
CCP	115	312	-58	3	60										60	60	60			
3) Zone 3																				
Activity 3 - Excavation																				
Activity 4 - Basement and Underpass	111	917	-67	3	47									47	47	47	47			
Activity 5 - Superstructure	109	855	-67	3	45												45			
4) Park Construction - Zone A																				
Activity 5 - Superstructure	108	1042	-68	3	43	43														
5) Park Construction - Zone B																				
Activity 5 - Superstructure	102	178	-53	3	52		52	52	52	52	52	52	52	52	52	52	52			
6) ICC Footbridge																				
Activity 5 - Superstructure	106	827	-66	3	42															
7) Flyover																				
Activity 5 - Superstructure	106	914	-67	3	41	41	41	41	41	41	41	41	41	41	41	41	41			
8) East Concrete Batching Plant (Operation)																				
Activity 5 - Superstructure	109	158	-52	3	60	60	60	60	60	60	60	60	60	60	60	60	60			
9) Barging Point (BP)																				
BP4	110	751	-66	3	47	47	47	47	47	47	47	47	47	47	47	47	47			
BP5	110	799	-66	3	47	47	47	47	47	47	47	47	47	47	47	47	47			
BP6	110	1001	-68	3	45	45	45	45	45	45	45	45	45	45	45	45	45			
BP7	110	1093	-69	3	44	44	44	44	44	44	44	44	44	44	44	44	44			
10) Modification of seawalls / construction of seawater outfalls																				
Outfall of WKCD DCWS	112	726	-65	3	49				49	49	49	49	49	49						
Outfall of Independent Cooling System for Freespace	112	1251	-70	3	45				45	45	45	45	45	45						
11) West Pier (Optional)																				
Activity 5 - Superstructure	112	1451	-71	3	44	44	44	44	44	44	44	44	44	44	44	44	44			
12) South Pier (Optional)																				
Activity 5 - Superstructure	112	786	-66	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
13) Viewing Platform (Optional)																				
Activity 5 - Superstructure	108	422	-61	3	51	51	51	51	51	51	51	51	51	51	51	51	51			
Predicted Noise Level of this Project, dB (A)															2015		2016			
Predicted Noise Level of Express Rail Link, dB(A)¹															67	68	68	68		
															2015		2016			
															68	68	68	68		
Overall Cumulative Noise Level, dB(A)															68	68	68	68		

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

- 1) Predicted Noise Levels are referred to NSR WK6 in Appendix G of Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility.
- 2) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

Mitigated Construction Noise Impact

NSR: VT2 (The Victoria Towers - Tower 2)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB	Distance (m)	Distance Correction, dB	Facade Correction,	Calculated SPL, dB(A)	2015												2016		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 1																				
Activity 5 - Superstructure	107	78	-46	3	64	64	64	64	64	64	64	64	64	64	64	64	64			
2) Zone 2																				
Activity 3 - Excavation																				
Zone 2.1	100	701	-65	3	38	38	38	38	38	38	38	38	38	38	38	38	38			
Zone 2.2	100	527	-62	3	41	41	41	41	41	41	41	41	41	41	41	41	41			
Zone 2.3	99	367	-59	3	43	43	43	43	43	43	43	43	43	43	43	43	43			
Zone 2.4	99	214	-55	3	47	47	47	47	47	47	47	47	47	47	47	47	47			
Zone 2.5	99	214	-55	3	47	47	47	47	47	47	47	47	47	47	47	47	47			
Zone 2.6	99	377	-60	3	42	42	42	42	42	42	42	42	42	42	42	42	42			
Zone 2.7	100	547	-63	3	41	41	41	41	41	41	41	41	41	41	41	41	41			
Zone 2.8	100	736	-65	3	38	38	38	38	38	38	38	38	38	38	38	38	38			
Activity 4 - Basement and Underpass																				
Zone 2.1	105	701	-65	3	43	43	43	43	43	43	43	43	43	43	43	43	43			
Zone 2.2	105	527	-62	3	46	46	46	46	46	46	46	46	46	46	46	46	46			
Zone 2.3	105	367	-59	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
Zone 2.4	105	214	-55	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
Zone 2.5	105	214	-55	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
Zone 2.6	105	377	-60	3	48	48	48	48	48	48	48	48	48	48	48	48	48			
Zone 2.7	105	547	-63	3	45	45	45	45	45	45	45	45	45	45	45	45	45			
Zone 2.8	105	736	-65	3	43	43	43	43	43	43	43	43	43	43	43	43	43			
Activity 5 - Superstructure																				
Lyric Theatre	115	841	-66	3	51										51	51	51			
CCP	115	342	-59	3	59										59	59	59			
3) Zone 3																				
Activity 3 - Excavation																				
Activity 4 - Basement and Underpass	111	939	-67	3	47									47	47	47	47			
Activity 5 - Superstructure	109	875	-67	3	45												45			
4) Park Construction - Zone A																				
Activity 5 - Superstructure	108	1068	-69	3	43	43														
5) Park Construction - Zone B																				
Activity 5 - Superstructure	102	223	-55	3	50		50	50	50	50	50	50	50	50	50	50	50			
6) ICC Footbridge																				
Activity 5 - Superstructure	106	846	-67	3	42															
7) Flyover																				
Activity 5 - Superstructure	106	930	-67	3	41	41	41	41	41	41	41	41	41	41	41	41	41			
8) East Concrete Batching Plant (Operation)																				
Activity 5 - Superstructure	109	183	-53	3	58	58	58	58	58	58	58	58	58	58	58	58	58			
9) Barging Point (BP)																				
BP4	110	781	-66	3	47	47	47	47	47	47	47	47	47	47	47	47	47			
BP5	110	831	-66	3	46	46	46	46	46	46	46	46	46	46	46	46	46			
BP6	110	1036	-68	3	44	44	44	44	44	44	44	44	44	44	44	44	44			
BP7	110	1131	-69	3	44	44	44	44	44	44	44	44	44	44	44	44	44			
10) Modification of seawalls / construction of seawater outfalls																				
Outfall of WKCD DCWS	112	751	-66	3	49				49	49	49	49	49	49						
Outfall of Independent Cooling System for Freespace	112	1301	-70	3	44				44	44	44	44	44	44						
11) West Pier (Optional)																				
Activity 5 - Superstructure	112	1471	-71	3	44	44	44	44	44	44	44	44	44	44	44	44	44			
12) South Pier (Optional)																				
Activity 5 - Superstructure	112	816	-66	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
13) Viewing Platform (Optional)																				
Activity 5 - Superstructure	108	462	-61	3	50	50	50	50	50	50	50	50	50	50	50	50	50			
Predicted Noise Level of this Project, dB (A)																				
Predicted Noise Level of Express Rail Link, dB(A)¹																				
Overall Cumulative Noise Level, dB(A)																				
															2015	2016				
															Min	Max	Min	Max		
															67	68	67	68		
															2015	2016				
															Min	Max	Min	Max		
															67	68	67	68		

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

- 1) Predicted Noise Levels are referred to NSR WK6 in Appendix G of Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility.
- 2) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

Mitigated Construction Noise Impact

NSR: LCS (Lai Chack Middle School)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB	Distance (m)	Distance Correction, dB	Facade Correction,	Calculated SPL, dB(A)	2015												2016																																																																																																																																		
						4	5	6	7	8	9	10	11	12	1	2	3																																																																																																																																			
1) Zone 1																																																																																																																																																				
Activity 5 - Superstructure	107	105	-48	3	62	62	62	62	62	62	62	62	62	62	62	62	62																																																																																																																																			
2) Zone 2																																																																																																																																																				
Activity 3 - Excavation																																																																																																																																																				
Zone 2.1	100	685	-65	3	39	39	39	39	39	39	39	39	39	39	39	39	39																																																																																																																																			
Zone 2.2	100	505	-62	3	41	41	41	41	41	41	41	41	41	41	41	41	41																																																																																																																																			
Zone 2.3	99	355	-59	3	43	43	43	43	43	43	43	43	43	43	43	43	43																																																																																																																																			
Zone 2.4	99	205	-54	3	48	48	48	48	48	48	48	48	48	48	48	48	48																																																																																																																																			
Zone 2.5	99	195	-54	3	48	48	48	48	48	48	48	48	48	48	48	48	48																																																																																																																																			
Zone 2.6	99	350	-59	3	43	43	43	43	43	43	43	43	43	43	43	43	43																																																																																																																																			
Zone 2.7	100	515	-62	3	41	41	41	41	41	41	41	41	41	41	41	41	41																																																																																																																																			
Zone 2.8	100	720	-65	3	38	38	38	38	38	38	38	38	38	38	38	38	38																																																																																																																																			
Activity 4 - Basement and Underpass																																																																																																																																																				
Zone 2.1	105	685	-65	3	44	44	44	44	44	44	44	44	44	44	44	44	44																																																																																																																																			
Zone 2.2	105	505	-62	3	46	46	46	46	46	46	46	46	46	46	46	46	46																																																																																																																																			
Zone 2.3	105	355	-59	3	49	49	49	49	49	49	49	49	49	49	49	49	49																																																																																																																																			
Zone 2.4	105	205	-54	3	54	54	54	54	54	54	54	54	54	54	54	54	54																																																																																																																																			
Zone 2.5	105	195	-54	3	54	54	54	54	54	54	54	54	54	54	54	54	54																																																																																																																																			
Zone 2.6	105	350	-59	3	49	49	49	49	49	49	49	49	49	49	49	49	49																																																																																																																																			
Zone 2.7	105	515	-62	3	46	46	46	46	46	46	46	46	46	46	46	46	46																																																																																																																																			
Zone 2.8	105	720	-65	3	43	43	43	43	43	43	43	43	43	43	43	43	43																																																																																																																																			
Activity 5 - Superstructure																																																																																																																																																				
Lyric Theatre	115	816	-66	3	51										51	51	51																																																																																																																																			
CCP	115	327	-58	3	59										59	59	59																																																																																																																																			
3) Zone 3																																																																																																																																																				
Activity 3 - Excavation																																																																																																																																																				
Activity 4 - Basement and Underpass	111	923	-67	3	47									47	47	47	47																																																																																																																																			
Activity 5 - Superstructure	109	863	-67	3	45												45																																																																																																																																			
4) Park Construction - Zone A																																																																																																																																																				
Activity 5 - Superstructure																																																																																																																																																				
4) Park Construction - Zone A	108	1046	-68	3	43	43																																																																																																																																														
5) Park Construction - Zone B																																																																																																																																																				
Activity 5 - Superstructure																																																																																																																																																				
5) Park Construction - Zone B	102	150	-51	3	54		54	54	54	54	54	54	54	54	54	54	54																																																																																																																																			
6) ICC Footbridge																																																																																																																																																				
Activity 5 - Superstructure																																																																																																																																																				
6) ICC Footbridge	106	843	-67	3	42																																																																																																																																															
7) Flyover																																																																																																																																																				
Activity 5 - Superstructure																																																																																																																																																				
7) Flyover	106	927	-67	3	41	41	41	41	41	41	41	41	41	41	41	41	41																																																																																																																																			
8) East Concrete Batching Plant (Operation)																																																																																																																																																				
Activity 5 - Superstructure																																																																																																																																																				
8) East Concrete Batching Plant (Operation)	109	160	-52	3	60	60	60	60	60	60	60	60	60	60	60	60	60																																																																																																																																			
9) Barging Point (BP)																																																																																																																																																				
Activity 5 - Superstructure																																																																																																																																																				
BP4	110	750	-66	3	47	47	47	47	47	47	47	47	47	47	47	47	47																																																																																																																																			
BP5	110	795	-66	3	47	47	47	47	47	47	47	47	47	47	47	47	47																																																																																																																																			
BP6	110	993	-68	3	45	45	45	45	45	45	45	45	45	45	45	45	45																																																																																																																																			
BP7	110	1083	-69	3	44	44	44	44	44	44	44	44	44	44	44	44	44																																																																																																																																			
10) Modification of seawalls / construction of seawater outfalls																																																																																																																																																				
Activity 5 - Superstructure																																																																																																																																																				
Outfall of WKCD DCWS	112	720	-65	3	49				49	49	49	49	49	49																																																																																																																																						
Outfall of Independent Cooling System for Freespace	112	1250	-70	3	45				45	45	45	45	45	45																																																																																																																																						
11) West Pier (Optional)																																																																																																																																																				
Activity 5 - Superstructure																																																																																																																																																				
11) West Pier (Optional)	112	1455	-71	3	44	44	44	44	44	44	44	44	44	44	44	44	44																																																																																																																																			
12) South Pier (Optional)																																																																																																																																																				
Activity 5 - Superstructure																																																																																																																																																				
12) South Pier (Optional)	112	780	-66	3	49	49	49	49	49	49	49	49	49	49	49	49	49																																																																																																																																			
13) Viewing Platform (Optional)																																																																																																																																																				
Activity 5 - Superstructure																																																																																																																																																				
13) Viewing Platform (Optional)	108	398	-60	3	51	51	51	51	51	51	51	51	51	51	51	51	51																																																																																																																																			
Predicted Noise Level of this Project, dB (A)																																																																																																																																																				
Predicted Noise Level of Express Rail Link, dB(A)¹																																																																																																																																																				
Overall Cumulative Noise Level, dB(A)																																																																																																																																																				
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="15"></th> <th colspan="2">2015</th> <th colspan="2">2016</th> </tr> <tr> <th colspan="15"></th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>66</td><td>66</td><td>66</td><td>66</td><td>66</td><td>66</td><td>66</td><td>66</td><td>66</td><td>66</td><td>66</td><td>66</td><td>66</td><td>67</td><td>67</td><td>67</td><td>67</td><td>67</td> </tr> <tr> <td colspan="15"></td> <td>66</td> <td>67</td> <td>67</td> <td>67</td> </tr> <tr> <td colspan="15"></td> <td colspan="2">2015</td> <td colspan="2">2016</td> </tr> <tr> <td colspan="15"></td> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> </tr> <tr> <td>66</td><td>66</td><td>66</td><td>66</td><td>66</td><td>66</td><td>66</td><td>66</td><td>66</td><td>66</td><td>66</td><td>66</td><td>67</td><td>67</td><td>67</td><td>67</td><td>67</td><td>67</td> </tr> </tbody> </table>																																	2015		2016																	Min	Max	Min	Max	66	66	66	66	66	66	66	66	66	66	66	66	66	67	67	67	67	67																66	67	67	67																2015		2016																	Min	Max	Min	Max	66	66	66	66	66	66	66	66	66	66	66	66	67	67	67	67	67	67
															2015		2016																																																																																																																																			
															Min	Max	Min	Max																																																																																																																																		
66	66	66	66	66	66	66	66	66	66	66	66	66	67	67	67	67	67																																																																																																																																			
															66	67	67	67																																																																																																																																		
															2015		2016																																																																																																																																			
															Min	Max	Min	Max																																																																																																																																		
66	66	66	66	66	66	66	66	66	66	66	66	67	67	67	67	67	67																																																																																																																																			

Note: Bold figure in shaded box denotes exceedance of relevant construction noise criteria
 1) Predicted Noise Levels are referred to NSR WK7 in Appendix G of Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility.
 2) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

Mitigated Construction Noise Impact

NSR: CRGPS (Canton Road Government Primary School)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB	Distance (m)	Distance Correction, dB	Facade Correction,	Calculated SPL, dB(A)	2015												2016		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 1																				
Activity 5 - Superstructure	107	120	-50	3	60	60	60	60	60	60	60	60	60	60	60	60	60			
2) Zone 2																				
Activity 3 - Excavation																				
Zone 2.1	100	680	-65	3	39	39	39	39	39	39	39	39	39	39	39	39	39			
Zone 2.2	100	520	-62	3	41	41	41	41	41	41	41	41	41	41	41	41	41			
Zone 2.3	99	360	-59	3	43	43	43	43	43	43	43	43	43	43	43	43	43			
Zone 2.4	99	220	-55	3	47	47	47	47	47	47	47	47	47	47	47	47	47			
Zone 2.5	99	195	-54	3	48	48	48	48	48	48	48	48	48	48	48	48	48			
Zone 2.6	99	355	-59	3	43	43	43	43	43	43	43	43	43	43	43	43	43			
Zone 2.7	100	520	-62	3	41	41	41	41	41	41	41	41	41	41	41	41	41			
Zone 2.8	100	720	-65	3	38	38	38	38	38	38	38	38	38	38	38	38	38			
Activity 4 - Basement and Underpass																				
Zone 2.1	105	680	-65	3	44	44	44	44	44	44	44	44	44	44	44	44	44			
Zone 2.2	105	520	-62	3	46	46	46	46	46	46	46	46	46	46	46	46	46			
Zone 2.3	105	360	-59	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
Zone 2.4	105	220	-55	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
Zone 2.5	105	195	-54	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
Zone 2.6	105	355	-59	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
Zone 2.7	105	520	-62	3	46	46	46	46	46	46	46	46	46	46	46	46	46			
Zone 2.8	105	720	-65	3	43	43	43	43	43	43	43	43	43	43	43	43	43			
Activity 5 - Superstructure																				
Lyric Theatre	115	816	-66	3	51										51	51	51			
CCP	115	342	-59	3	59										59	59	59			
3) Zone 3																				
Activity 3 - Excavation																				
Activity 4 - Basement and Underpass	111	926	-67	3	47									47	47	47	47			
Activity 5 - Superstructure	109	866	-67	3	45												45			
4) Park Construction - Zone A	108	1065	-69	3	43	43														
5) Park Construction - Zone B	102	146	-51	3	54		54	54	54	54	54	54	54	54	54	54	54			
6) ICC Footbridge	106	847	-67	3	42															
7) Flyover	106	933	-67	3	41	41	41	41	41	41	41	41	41	41	41	41	41			
8) East Concrete Batching Plant (Operation)	109	170	-53	3	59	59	59	59	59	59	59	59	59	59	59	59	59			
9) Barging Point (BP)																				
BP4	110	745	-65	3	47	47	47	47	47	47	47	47	47	47	47	47	47			
BP5	110	795	-66	3	47	47	47	47	47	47	47	47	47	47	47	47	47			
BP6	110	993	-68	3	45	45	45	45	45	45	45	45	45	45	45	45	45			
BP7	110	1080	-69	3	44	44	44	44	44	44	44	44	44	44	44	44	44			
10) Modification of seawalls / construction of seawater outfalls																				
Outfall of WKCD DCWS	112	750	-66	3	49				49	49	49	49	49	49						
Outfall of Independent Cooling System for Freespace	112	1250	-70	3	45				45	45	45	45	45	45						
11) West Pier (Optional)	112	1455	-71	3	44	44	44	44	44	44	44	44	44	44	44	44	44			
12) South Pier (Optional)	112	775	-66	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
13) Viewing Platform (Optional)	108	400	-60	3	51	51	51	51	51	51	51	51	51	51	51	51	51			
Predicted Noise Level of this Project, dB (A)																				
Predicted Noise Level of Express Rail Link, dB(A)¹																				
Overall Cumulative Noise Level, dB(A)																				
															2015	2016				
															Min	Max	Min	Max		
															65	67	66	67		
															2016					
															Min	Max	Min	Max		
															65	67	66	67		

Note: Bold figure in shaded box denotes exceedance of relevant construction noise criteria
 1) Predicted Noise Levels are referred to NSR WK7 in Appendix G of Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility.
 2) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

Mitigated Construction Noise Impact

NSR: FQ (Fire Services Department Staff Quarter)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB	Distance (m)	Distance Correction, dB	Facade Correction,	Calculated SPL, dB(A)	2015												2016		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 1																				
Activity 5 - Superstructure	107	82	-46	3	64	64	64	64	64	64	64	64	64	64	64	64	64			
2) Zone 2																				
Activity 3 - Excavation																				
Zone 2.1	100	580	-63	3	40	40	40	40	40	40	40	40	40	40	40	40	40			
Zone 2.2	100	415	-60	3	43	43	43	43	43	43	43	43	43	43	43	43	43			
Zone 2.3	99	256	-56	3	46	46	46	46	46	46	46	46	46	46	46	46	46			
Zone 2.4	99	112	-49	3	53	53	53	53	53	53	53	53	53	53	53	53	53			
Zone 2.5	99	97	-48	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
Zone 2.6	99	251	-56	3	46	46	46	46	46	46	46	46	46	46	46	46	46			
Zone 2.7	100	411	-60	3	43	43	43	43	43	43	43	43	43	43	43	43	43			
Zone 2.8	100	610	-64	3	40	40	40	40	40	40	40	40	40	40	40	40	40			
Activity 4 - Basement and Underpass																				
Zone 2.1	105	580	-63	3	45	45	45	45	45	45	45	45	45	45	45	45	45			
Zone 2.2	105	415	-60	3	48	48	48	48	48	48	48	48	48	48	48	48	48			
Zone 2.3	105	256	-56	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
Zone 2.4	105	112	-49	3	59	59	59	59	59	59	59	59	59	59	59	59	59			
Zone 2.5	105	97	-48	3	60	60	60	60	60	60	60	60	60	60	60	60	60			
Zone 2.6	105	251	-56	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
Zone 2.7	105	411	-60	3	48	48	48	48	48	48	48	48	48	48	48	48	48			
Zone 2.8	105	610	-64	3	45	45	45	45	45	45	45	45	45	45	45	45	45			
Activity 5 - Superstructure																				
Lyric Theatre	115	716	-65	3	53									53	53	53	53			
CCP	115	233	-55	3	62									62	62	62	62			
3) Zone 3																				
Activity 3 - Excavation	106	824	-66	3	42	42	42	42	42	42	42									
Activity 4 - Basement and Underpass	111	824	-66	3	48							48	48	48	48	48	48			
Activity 5 - Superstructure	109	761	-66	3	46												46			
4) Park Construction - Zone A	108	996	-68	3	43	43														
5) Park Construction - Zone B	102	72	-45	3	60		60	60	60	60	60	60	60	60	60	60	60			
6) ICC Footbridge	106	744	-65	3	43															
7) Flyover	106	828	-66	3	42	42	42	42	42	42	42	42	42	42	42	42	42			
8) East Concrete Batching Plant (Operation)	109	65	-44	3	67	67	67	67	67	67	67	67	67	67	67	67	67			
9) Barging Point (BP)																				
BP4	110	650	-64	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
BP5	110	695	-65	3	48	48	48	48	48	48	48	48	48	48	48	48	48			
BP6	110	900	-67	3	46	46	46	46	46	46	46	46	46	46	46	46	46			
BP7	110	985	-68	3	45	45	45	45	45	45	45	45	45	45	45	45	45			
10) Modification of seawalls / construction of seawater outfalls																				
Outfall of WKCD DCWS	112	625	-64	3	51				51	51	51	51	51	51	51					
Outfall of Independent Cooling System for Freespace	112	1170	-69	3	45				45	45	45	45	45	45	45					
11) West Pier (Optional)	112	1350	-71	3	45	45	45	45	45	45	45	45	45	45	45	45	45			
12) South Pier (Optional)	112	680	-65	3	51	51	51	51	51	51	51	51	51	51	51	51	51			
13) Viewing Platform (Optional)	108	291	-57	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
Predicted Noise Level of this Project, dB (A)																				
Predicted Noise Level of Express Rail Link, dB(A)¹																				
Overall Cumulative Noise Level, dB(A)																				
															2015	2016	2015	2016		
															Min	Max	Min	Max		
															71	71	71	71		
															2015	2016	2015	2016		
															Min	Max	Min	Max		
															71	71	71	71		

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

- 1) Predicted Noise Levels are referred to NSR WK7a in Appendix G of Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility.
- 2) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.

Mitigated Construction Noise Impact

NSR: CUL (The Cullirian I)

Construction Programme with Predicted Noise Level (dB, (A))	Total SWL, dB	Distance (m)	Distance Correction, dB	Facade Correction,	Calculated SPL, dB(A)	2015												2016		
						4	5	6	7	8	9	10	11	12	1	2	3			
1) Zone 1																				
Activity 5 - Superstructure	107	681	-65	3	45	45	45	45	45	45	45	45	45	45	45	45	45			
2) Zone 2																				
Activity 3 - Excavation																				
Zone 2.1	100	829	-66	3	37	37	37	37	37	37	37	37	37	37	37	37	37			
Zone 2.2	100	659	-64	3	39	39	39	39	39	39	39	39	39	39	39	39	39			
Zone 2.3	99	499	-62	3	40	40	40	40	40	40	40	40	40	40	40	40	40			
Zone 2.4	99	350	-59	3	43	43	43	43	43	43	43	43	43	43	43	43	43			
Zone 2.5	99	345	-59	3	43	43	43	43	43	43	43	43	43	43	43	43	43			
Zone 2.6	99	501	-62	3	40	40	40	40	40	40	40	40	40	40	40	40	40			
Zone 2.7	100	672	-65	3	39	39	39	39	39	39	39	39	39	39	39	39	39			
Zone 2.8	100	866	-67	3	37	37	37	37	37	37	37	37	37	37	37	37	37			
Activity 4 - Basement and Underpass																				
Zone 2.1	105	828	-66	3	42	42	42	42	42	42	42	42	42	42	42	42	42			
Zone 2.2	105	659	-64	3	44	44	44	44	44	44	44	44	44	44	44	44	44			
Zone 2.3	105	498	-62	3	46	46	46	46	46	46	46	46	46	46	46	46	46			
Zone 2.4	105	348	-59	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
Zone 2.5	105	344	-59	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
Zone 2.6	105	500	-62	3	46	46	46	46	46	46	46	46	46	46	46	46	46			
Zone 2.7	105	672	-65	3	44	44	44	44	44	44	44	44	44	44	44	44	44			
Zone 2.8	105	865	-67	3	41	41	41	41	41	41	41	41	41	41	41	41	41			
Activity 5 - Superstructure																				
Lyric Theatre	115	471	-61	3	56									56	56	56	56			
CCP	115	526	-62	3	55									55	55	55	55			
3) Zone 3																				
Activity 3 - Excavation	106	376	-59	3	49	49	49	49	49	49	49									
Activity 4 - Basement and Underpass	111	376	-59	3	55							55	55	55	55	55	55			
Activity 5 - Superstructure	109	329	-58	3	53												53			
4) Park Construction - Zone A	108	675	-65	3	47	47														
5) Park Construction - Zone B	102	433	-61	3	44		44	44	44	44	44	44	44	44	44	44	44			
6) ICC Footbridge	106	272	-57	3	52															
7) Flyover	106	317	-58	3	51	51	51	51	51	51	51	51	51	51	51	51	51			
8) East Concrete Batching Plant (Operation)	109	703	-65	3	47	47	47	47	47	47	47	47	47	47	47	47	47			
9) Barging Point (BP)																				
BP4	110	451	-61	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
BP5	110	461	-61	3	52	52	52	52	52	52	52	52	52	52	52	52	52			
BP6	110	611	-64	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
BP7	110	726	-65	3	48	48	48	48	48	48	48	48	48	48	48	48	48			
10) Modification of seawalls / construction of seawater outfalls																				
Outfall of WKCD DCWS	112	561	-63	3	52				52	52	52	52	52	52	52					
Outfall of Independent Cooling System for Freespace	112	886	-67	3	48				48	48	48	48	48	48	48					
11) West Pier (Optional)	112	826	-66	3	49	49	49	49	49	49	49	49	49	49	49	49	49			
12) South Pier (Optional)	112	476	-62	3	54	54	54	54	54	54	54	54	54	54	54	54	54			
13) Viewing Platform (Optional)	108	561	-63	3	48	48	48	48	48	48	48	48	48	48	48	48	48			
Predicted Noise Level of this Project, dB (A)						62	62	62	62	62	63	63	64	64	64	64	64			
Predicted Noise Level of Express Rail Link, dB(A)¹																				
Predicted Noise Level of Road Improvement Works in West Kowloon Reclamation, dB(A)³						73	73	70	67	56	56									
Overall Cumulative Noise Level, dB(A)						73	73	71	68	63	64	63	64	64	64	64	64	64		
												2015		2016						
												Min	Max	Min	Max					
												2015		2016						
												Min	Max	Min	Max					

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

- Since the NSR is located 270m apart from the site boundary and no direct line of sight of the construction works of "Express Rail Link" project, the cumulative noise impact is predicted to be low and has insignificant contribution to the NSR, therefore, cumulative noise impact is not taken into account at this NSR.
- Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.