

Noise Sensitive Receiver							2014				2015				2016				2017				2018							
TC-1 - Seaview Crescent Block1		SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
Advanced Works																														
Activity 1 - Aviation Fuel Pipeline Diversion	117	4500	81	3	39						39	39	39	39																
Activity 2 - Power Cable Diversion	117	4500	81	3	39					39	39	39	39																	
Land Formation Construction Activities																														
Activity 3 - Sand Blanket Laying	106	4040	80	3	29						37	32	32	32	32	29	32	32	32	29										
Activity 4 - Steel Cell	113	4040	80	3	36						36	36	36	36																
Activity 5a - Ground Treatment by DCM Barge	115	4040	80	3	38						41	41	41	41	41	41	38	41	41	41	41	41	43							
Activity 5b - Ground Treatment by PVD Barge	113	4040	80	3	36					39	39	39	39	39	39	39	36	39	39	39										
Activity 5c - Ground Treatment by Stone Column (Water Based)	116	4040	80	3	39					42	39	42	42	42	42	39	39	39	39											
Activity 5d - Ground Treatment by Stone Column (Land Based)	115	4040	80	3	38					41	41	41	41																	
Activity 5e - Ground Treatment by Sand Drains Barge	116	4040	80	3	39					39	39	42	42	42	42	39	39	42	42	42										
Activity 6 - Seawall Construction	111	4040	80	3	34					37	37	37	37	37	37	37	37	37	37	37	37	37	37							
Activity 7 - Marine Sand Filling	106	4040	80	3	29						29	32	32	32	32	32	32	32	32	32	32	32	34	29						
Activity 8a - Filling Above Water (Public Fill)	120	4040	80	3	43						46	46	46	46	46	46	46	46	46	46	46	46	50	51						
Activity 8b - Filling Above Water (Sand Fill)	122	4040	80	3	45						48	48	48	48	48	48	48	48	48	48	48	48	45	45						
Activity 8c - Compaction	113	4040	80	3	36						39	39	39	39	39	39	39	39	39	39	39	39	44	47						
Activity 9a - Placement of Surcharge	119	4040	80	3	42						45	45	45	45	45	45	45	45	45	45	45	45	50	50						
Activity 9b - Removal of Surcharge	120	4040	80	3	43						43	43	46	51	57															
							Noise Impact, dB(A)				42				43				48				49				51			
Noise Sensitive Receiver							2019				2020				2021				2022				2023							
TC-1 - Seaview Crescent Block1		SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
Land Formation Construction Activities																														
Activity 3 - Sand Blanket Laying	106	4040	80	3	29						32	32																		
Activity 4 - Steel Cell	113	4040	80	3	36						38	38																		
Activity 5a - Ground Treatment by DCM Barge	115	4040	80	3	38						36																			
Activity 5b - Ground Treatment by PVD Barge	113	4040	80	3	36							39	39																	
Activity 5c - Ground Treatment by Stone Column (Water Based)	116	4040	80	3	39							34	34																	
Activity 5d - Ground Treatment by Stone Column (Land Based)	115	4040	80	3	38																									
Activity 5e - Ground Treatment by Sand Drains Barge	116	4040	80	3	39																									
Activity 6 - Seawall Construction	111	4040	80	3	34																									
Activity 7 - Marine Sand Filling	106	4040	80	3	29																									
Activity 8a - Filling Above Water (Public Fill)	120	4040	80	3	43	48																								
Activity 8b - Filling Above Water (Sand Fill)	122	4040	80	3	45																									
Activity 8c - Compaction	113	4040	80	3	36	48																								
Activity 9a - Placement of Surcharge	119	4040	80	3	42	51	51	47		52	52	50	51	43					45	45	45	45								
Activity 9b - Removal of Surcharge	120	4040	80	3	43	48	53	57	52	52	50	51	43					43	47	49	49	45	43							
							Noise Impact, dB(A)				55	55	57	52	52	50	51	43		43	47	49	49	45	43					

Remarks:

1. Slant distance is adopted for the construction noise assessment
 2. Distance correction in dB(A)
 3. Facade correction in dB(A)
 4. Predicted Noise Levels = CNL + 10 log (No. of group of PMEs)
- Bold** figures denote exceedance of relevant noise criteria

Noise Sensitive Receiver						2014				2015				2016				2017				2018					
TC-1 - Seaview Crescent Block1		SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4													
Terminal 2 & Roadworks Construction Activities																											
Activity 1 - Advance Works for T2 Expansion	120	2200	75	3	48										48	48	48	48	48	48	48	48	48	48	48	48	48
Activity 2 - Piling and D-wall	120	2200	75	3	48														48	48	48	48					
Activity 3 - AIS / BHS Sub-Structure	122	2200	75	3	50																		50	50	50	50	
Activity 4 - Superstructure	120	2200	75	3	48																		48	48	48	48	
Activity 5 - Existing Structural Modification	118	2200	75	3	46																						
Activity 6 - ABWF & E&M Works	117	2200	75	3	45																						
Activity 7 - At-Grade & Elevated Road Works	122	2200	75	3	50																		50	50	50	50	
Roadworks at South Cargo Area Construction Activities																											
Activity 1 - Viaduct Roads	111	950	68	3	46																		46	46	46	46	
Activity 2 - At-grade Roads	112	950	68	3	47																		47	47	47	47	
Construction of Intermodal Transfer Terminal (Concurrent Project)																											
Activity 1 - Advance Works	120	2400	76	3	47					47	47																
Activity 1a - Roadworks	123	2400	76	3	50				50	50	50	50	50														
Activity 1b - BHS	124	2400	76	3	51					51	51	51	51	51													
Activity 1c - APM	127	2400	76	3	54					54	54	54	54	54													
Activity 2 - Main works	122	2400	76	3	49					49	49	49															
Activity 2a - Bonded Road	123	2400	76	3	50														50	50	50	50	50				
Activity 2b - BRH & coach hall	123	2400	76	3	50														50	50	50	50	50				
Activity 2c - Skypier (A&A works)	117	2400	76	3	44														44	44	44	44	44				
Activity 2d - APM tunnel	117	2400	76	3	44														44	44	44	44					
Construction of Other Airport Facilities Related Works (Concurrent Project)																											
Activity 1 - Site Formation	120	2700	77	3	46														46	46							
Activity 2 - Foundation & building works	122	2700	77	3	48														48	48	48	48	48				
Noise Impact, dB(A)						52	57	57	58	58	54	57	57	55	55	55	56	56	57	56	56	57	56	56	56	56	
Noise Sensitive Receiver						2019				2020				2021				2022				2023					
TC-1 - Seaview Crescent Block1		SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4													
Terminal 2 & Roadworks Construction Activities																											
Activity 1 - Advance Works for T2 Expansion	120	2200	75	3	48		48	48																			
Activity 2 - Piling and D-wall	120	2200	75	3	48																						
Activity 3 - AIS / BHS Sub-Structure	122	2200	75	3	50		50	50	50	50	50	50	50														
Activity 4 - Superstructure	120	2200	75	3	48		48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	
Activity 5 - Existing Structural Modification	118	2200	75	3	46																						
Activity 6 - ABWF & E&M Works	117	2200	75	3	45																						
Activity 7 - At-Grade & Elevated Road Works	122	2200	75	3	50		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
Roadworks at South Cargo Area Construction Activities																											
Activity 1 - Viaduct Roads	111	950	68	3	46		46	46	46																		
Activity 2 - At-grade Roads	112	950	68	3	47																						
Construction of Other Airport Facilities Related Works (Concurrent Project)																											
Activity 1 - Site Formation	120	2700	77	3	46																						
Activity 2 - Foundation & building works	122	2700	77	3	48		48	48	48	48	56	56	56	56	55	55	54	54	54	54	52	52	49	45			
Noise Impact, dB(A)						56	57	56	56	55	54	54	52	52	52	52	52	52	52	52	52	52	52	52	52		

Remarks:

1. Slant distance is adopted for the construction noise assessment
 2. Distance correction in dB(A)
 3. Facade correction in dB(A)
 4. Predicted Noise Levels = CNL + 10 log (No. of group of PMEs)
- Bold** figures denote exceedance of relevant noise criteria

Noise Sensitive Receiver					2014				2015				2016				2017				2018							
TC-1 - Seaview Crescent Block1		SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)	Q1	Q2	Q3	Q4																		
Infrastructure - New Land & Existing Runway																												
Activity 1 - Site Grading & General Excavation	120	3650	79	3	44																			44	44	44	44	
Activity 2 - General Site Work (Including Utility & Drainage Systems)	121	3650	79	3	45																			45	45	45	45	
Activity 3a - Airfield Paving Flexible	120	3650	79	3	44																						44	
Activity 3b - Airfield Paving Rigid	120	3650	79	3	44																						44	
Activity 4 - APM & BHS Tunnel Construction	118	3650	79	3	42																						44	
Activity 5 - Vehicular Tunnel Construction	120	3650	79	3	44																						44	
Activity 6a - Terminal Building Foundations & Basement	121	3650	79	3	45																						44	
Activity 6b - Terminal Building Structure (Concrete)	122	3650	79	3	46																						44	
Activity 6c - Cladding and Roof	119	3650	79	3	43																						44	
Activity 7 - Ancillary Support Area Building Construction	122	3650	79	3	46																						44	
Activity 8 - Fit out	121	3650	79	3	45																						44	
Activity 9 - Roads	120	3650	79	3	44																						44	
Activity 10 - Airfield Planing	118	3650	79	3	42																						44	
Infrastructure - Modified Modification																												
Activity 2 - General Site Work (Including Utility & Drainage Systems)	121	3020	78	3	46																						46	
Activity 5 - Vehicular Tunnel Construction	120	3020	78	3	45																						45	
Infrastructure - APMBHS Systems																												
Activity 4 - APM & BHS Tunnel Construction	118	2200	75	3	46																						46	
Activity 6a - Terminal Building Foundations & Basement	121	2200	75	3	49																						46	
Activity 11 - APM Depot	120	2200	75	3	48																						46	
Construction of North Commercial District (Concurrent Project)																												
Activity 1 - Site Formation for Phase 1	120	2400	76	3	47																						47	
Activity 2 - Roadworks	123	2400	76	3	50																						47	
Activity 3 - Foundation & building works for Phase 1	123	2400	76	3	50																						47	
Activity 4 - Site Formation for Phase 2	120	2400	76	3	47																						47	
Activity 5 - Foundation & building works for Phase 2	123	2400	76	3	50																						47	
Infrastructure + NCD					Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)			
Land Formation + New EA Road					Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)			
Terminal 2 + Roadworks + ITT + T1 Annex Building					Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)			
Cumulative					52				57				57				58				54				57			
Cumulative Noise Impact, dB(A)					52				57				57				59				58				59			
Noise Sensitive Receiver					2019				2020				2021				2022				2023							
TC-1 - Seaview Crescent Block1		SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)	Q1	Q2	Q3	Q4																		
Infrastructure - New Land & Existing Runway																												
Activity 1 - Site Grading & General Excavation	120	3650	79	3	44																						44	
Activity 2 - General Site Work (Including Utility & Drainage Systems)	121	3650	79	3	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	
Activity 3a - Airfield Paving Flexible	120	3650	79	3	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	
Activity 3b - Airfield Paving Rigid	120	3650	79	3	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	
Activity 4 - APM & BHS Tunnel Construction	118	3650	79	3	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	
Activity 5 - Vehicular Tunnel Construction	120	3650	79	3	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	
Activity 6a - Terminal Building Foundations & Basement	121	3650	79	3	45	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	
Activity 6b - Terminal Building Structure (Concrete)	122	3650	79	3	46	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	
Activity 6c - Cladding and Roof	119	3650	79	3	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	
Activity 7 - Ancillary Support Area Building Construction	122	3650	79	3	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	
Activity 8 - Fit out	121	3650	79	3	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	
Activity 9 - Roads	120	3650	79	3	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	
Activity 10 - Airfield Planing	118	3650	79	3	42																						42	
Activity 5 - Vehicular Tunnel Construction	120	3020	78	3	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	
Infrastructure - APMBHS Systems																												
Activity 4 - APM & BHS Tunnel Construction	118	2200	75	3	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	
Activity 9 - Roads	120	2200	75	3	48																						48	
Activity 11 - APM Depot	120	2200	75	3	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	
Activity 5 - Foundation & building works for Phase 2	123	2400	76	3	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
Infrastructure + NCD					Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)			
Land Formation + New EA Road					Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)			
Terminal 2 + Roadworks + ITT + T1 Annex Building					Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)															

Remarks:

1. Slant distance is adopted for

- Distance correction in dB(A)
- Expo-de correction in dB(A)

- 3. Facade correction in dB(A)
- 4. Predicted Noise Levels – CNL

Prediction Noise Levels = CNL + 10 log (No. of group of PME)
Bold figures denote exceedance of relevant noise criteria

Bold figures denote exceedance of relevant noise criteria

Noise Sensitive Receiver							2014				2015				2016				2017				2018							
TC-5 - Tung Chung West Development		SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
Advanced Works																														
Activity 1 - Aviation Fuel Pipeline Diversion	117	3750	79	3	41						41	41	41	41																
Activity 2 - Power Cable Diversion	117	3750	79	3	41						41	41	41	41																
Land Formation Construction Activities																														
Activity 3 - Sand Blanket Laying	106	3920	80	3	29										37	32	32	32	29	32	32	32	29							
Activity 4 - Steel Cell	113	3920	80	3	36										36	36	36	36												
Activity 5a - Ground Treatment by DCM Barge	115	3920	80	3	38										41	41	41	41	41	38	41	41	41	41	41	43				
Activity 5b - Ground Treatment by PVD Barge	113	3920	80	3	36										39	39	39	39	39	39	36	39	39							
Activity 5c - Ground Treatment by Stone Column (Water Based)	116	3920	80	3	39										42	39	42	42	42	39	39	39								
Activity 5d - Ground Treatment by Stone Column (Land Based)	115	3920	80	3	38										41	41	41	41												
Activity 5e - Ground Treatment by Sand Drains Barge	116	3920	80	3	39										39	39	42	42	42	39	39	42	42							
Activity 6 - Seawall Construction	111	3920	80	3	34										37	37	37	37	37	37	37	37	37	37	37	37				
Activity 7 - Marine Sand Filling	106	3920	80	3	29										29	32	32	32	32	32	32	32	32	34	29					
Activity 8a - Filling Above Water (Public Fill)	120	3920	80	3	43										46	46	46	46	46	46	46	46	50	51						
Activity 8b - Filling Above Water (Sand Fill)	122	3920	80	3	45										48	48	48	48	48	48	48	48	48	45	45					
Activity 8c - Compaction	113	3920	80	3	36										39	39	39	39	39	39	39	39	44	47						
Activity 9a - Placement of Surcharge	119	3920	80	3	42										45	45	45	45	45	45	45	45	50	50						
Activity 9b - Removal of Surcharge	120	3920	80	3	43										43	43	46	51	57											
							Noise Impact, dB(A)				44				45				49				51				53			
Noise Sensitive Receiver							2019				2020				2021				2022				2023							
TC-5 - Tung Chung West Development		SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
Land Formation Construction Activities																														
Activity 3 - Sand Blanket Laying	106	3920	80	3	29										32	32														
Activity 4 - Steel Cell	113	3920	80	3	36										38	38														
Activity 5a - Ground Treatment by DCM Barge	115	3920	80	3	38										36															
Activity 5b - Ground Treatment by PVD Barge	113	3920	80	3	36										39	39														
Activity 5c - Ground Treatment by Stone Column (Water Based)	116	3920	80	3	39										34	34														
Activity 5d - Ground Treatment by Stone Column (Land Based)	115	3920	80	3	38										43	43														
Activity 5e - Ground Treatment by Sand Drains Barge	116	3920	80	3	39										45	45														
Activity 6 - Seawall Construction	111	3920	80	3	34										36	36														
Activity 7 - Marine Sand Filling	106	3920	80	3	29										43	43														
Activity 8a - Filling Above Water (Public Fill)	120	3920	80	3	43	48									45	45														
Activity 8b - Filling Above Water (Sand Fill)	122	3920	80	3	45										36	36														
Activity 8c - Compaction	113	3920	80	3	36	48									45	45	45	45												
Activity 9a - Placement of Surcharge	119	3920	80	3	42	51	51	47			52	52	50	51	43	45	45	45												
Activity 9b - Removal of Surcharge	120	3920	80	3	43	48	53	57	52		52	50	51	43	43	47	49	49	45	45	43									
							Noise Impact, dB(A)				55	55	57	52	52	50	51	43	43	47	49	49	45	43						

Remarks:

1. Slant distance is adopted for the construction noise assessment
 2. Distance correction in dB(A)
 3. Facade correction in dB(A)
 4. Predicted Noise Levels = CNL + 10 log (No. of group of PMEs)
- Bold** figures denote exceedance of relevant noise criteria

Noise Sensitive Receiver						2014				2015				2016				2017				2018						
TC-5 - Tung Chung West Development		SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4														
Terminal 2 & Roadworks Construction Activities																												
Activity 1 - Advance Works for T2 Expansion	120	2700	77	3	46										46	46	46	46	46	46	46	46	46	46	46	46	46	
Activity 2 - Piling and D-wall	120	2700	77	3	46														46	46	46	46						
Activity 3 - AIS / BHS Sub-Structure	122	2700	77	3	48																			48	48	48		
Activity 4 - Superstructure	120	2700	77	3	46																			46	46	46		
Activity 5 - Existing Structural Modification	118	2700	77	3	44																							
Activity 6 - ABWF & E&M Works	117	2700	77	3	43																							
Activity 7 - At-Grade & Elevated Road Works	122	2700	77	3	48																			48	48	48	48	
Roadworks at South Cargo Area Construction Activities																												
Activity 1 - Viaduct Roads	111	500	62	3	52																			52	52	52	52	
Activity 2 - At-grade Roads	112	500	62	3	53																			53	53	53	53	
Construction of Intermodal Transfer Terminal (Concurrent Project)																												
Activity 1 - Advance Works	120	3050	78	3	45					45	45																	
Activity 1a - Roadworks	123	3050	78	3	48				48	48	48	48																
Activity 1b - BHS	124	3050	78	3	49				49	49	49	49	49					49	49									
Activity 1c - APM	127	3050	78	3	52				52	52	52	52																
Activity 2 - Main works	122	3050	78	3	47				47	47	47																	
Activity 2a - Bonded Road	123	3050	78	3	48												48	48	48	48	48							
Activity 2b - BRH & coach hall	123	3050	78	3	48												48	48	48	48	48	48	48	48	48	48		
Activity 2c - Skypier (A&A works)	117	3050	78	3	42												42	42	42	42	42	42	42	42	42	42		
Activity 2d - APM tunnel	117	3050	78	3	42												42	42	42	42	42							
Construction of Other Airport Facilities Related Works (Concurrent Project)																												
Activity 1 - Site Formation	120	3200	78	3	45												45	45										
Activity 2 - Foundation & building works	122	3200	78	3	47												47	47	47	47	47	47	47	47	47	47	47	47
Noise Sensitive Receiver						Noise Impact, dB(A)				50	55	55	56	56	52	55	55	54	54	54	55	58	58	57	57	58	56	56
TC-5 - Tung Chung West Development		SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4														
Terminal 2 & Roadworks Construction Activities																												
Activity 1 - Advance Works for T2 Expansion	120	2700	77	3	46		46	46																				
Activity 2 - Piling and D-wall	120	2700	77	3	46																							
Activity 3 - AIS / BHS Sub-Structure	122	2700	77	3	48		48	48	48	48	48	48																
Activity 4 - Superstructure	120	2700	77	3	46		46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	
Activity 5 - Existing Structural Modification	118	2700	77	3	44		44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	
Activity 6 - ABWF & E&M Works	117	2700	77	3	43		43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	
Activity 7 - At-Grade & Elevated Road Works	122	2700	77	3	48		48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	
Roadworks at South Cargo Area Construction Activities																												
Activity 1 - Viaduct Roads	111	500	62	3	52		52	52	52																			
Activity 2 - At-grade Roads	112	500	62	3	53																							
Construction of Other Airport Facilities Related Works (Concurrent Project)																												
Activity 1 - Site Formation	120	3200	78	3	45																							
Activity 2 - Foundation & building works	122	3200	78	3	47		47	47	47	47																		
Noise Sensitive Receiver						Noise Impact, dB(A)				56	57	56	54	53	53	52	52	52	52	50	50	50	50	50	47	43		
TC-5 - Tung Chung West Development		SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4														
Terminal 2 & Roadworks Construction Activities																												
Activity 1 - Advance Works for T2 Expansion	120	2700	77	3	46																							
Activity 2 - Piling and D-wall	120	2700	77	3	46																							
Activity 3 - AIS / BHS Sub-Structure	122	2700	77	3	48																							
Activity 4 - Superstructure	120	2700	77	3	46																							
Activity 5 - Existing Structural Modification	118	2700	77	3	44																							
Activity 6 - ABWF & E&M Works	117	2700	77	3	43																							
Activity 7 - At-Grade & Elevated Road Works	122	2700	77	3	48																							
Roadworks at South Cargo Area Construction Activities																												
Activity 1 - Viaduct Roads	111	500	62	3	52																							
Activity 2 - At-grade Roads	112	500	62	3	53																							
Construction of Other Airport Facilities Related Works (Concurrent Project)																												
Activity 1 - Site Formation	120	3200	78	3	45																							
Activity 2 - Foundation & building works	122	3200	78	3	47																							
Noise Sensitive Receiver																												

Noise Sensitive Receiver					2014				2015				2016				2017				2018				
TC-5 - Tung Chung West Development		SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Infrastructure - New Land & Existing Runway																									
Activity 1 - Site Grading & General Excavation	120	3560	79	3	44																	44	44	44	44
Activity 2 - General Site Work (Including Utility & Drainage Systems)	121	3560	79	3	45																	45	45	45	45
Activity 3a - Airfield Paving Flexible	120	3560	79	3	44																				
Activity 3b - Airfield Paving Rigid	120	3560	79	3	44																				
Activity 4 - APM & BHS Tunnel Construction	118	3560	79	3	42																				
Activity 5 - Vehicular Tunnel Construction	120	3560	79	3	44																				
Activity 6a - Terminal Building Foundations & Basement	121	3560	79	3	45																				
Activity 6b - Terminal Building Structure (Concrete)	122	3560	79	3	46																				
Activity 6c - Cladding and Roof	119	3560	79	3	43																				
Activity 7 - Ancillary Support Area Building Construction	122	3560	79	3	46																	46	46	46	46
Activity 8 - Fit out	121	3560	79	3	45																				
Activity 9 - Roads	120	3560	79	3	44																				
Activity 10 - Airfield Planing	118	3560	79	3	42																				
Infrastructure - Modified Modification																									
Activity 2 - General Site Work (Including Utility & Drainage Systems)	121	2720	77	3	47																47				
Activity 5 - Vehicular Tunnel Construction	120	2720	77	3	46																46	46	46	46	46
Infrastructure - APM/BHS Systems																									
Activity 4 - APM & BHS Tunnel Construction	118	2700	77	3	44																44	44	44	44	44
Activity 6a - Terminal Building Foundations & Basement	121	2700	77	3	47																47	47	47	47	47
Activity 11 - APM Depot	120	2700	77	3	46																46	46	46	46	46
Construction of North Commercial District (Concurrent Project)																									
Activity 1 - Site Formation for Phase 1	120	3000	78	3	45																45	45			
Activity 2 - Roadworks	123	3000	78	3	48																48	48	48	48	48
Activity 3 - Foundation & building works for Phase 1	123	3000	78	3	48																48	48	48	48	48
Activity 4 - Site Formation for Phase 2	120	3000	78	3	45																45	45			
Activity 5 - Foundation & building works for Phase 2	123	3000	78	3	48																48	48	48	48	48
Infrastructure + NCD					Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)				Cumulative Noise Impact, dB(A)				Cumulative Noise Impact, dB(A)				
Land Formation + New EA Road					50	52	51	51	51	51	54	53	55	55	54	55	56	55	56	55	56	55	56	55	
Terminal 2 + Roadworks + ITT + T1 Annex Building					50	55	55	56	56	52	55	55	54	54	54	58	58	57	57	58	56	56	56	56	
					50	55	55	56	56	57	57	57	57	57	59	60	61	60	60	61	60	61	62		
Noise Sensitive Receiver					2019				2020				2021				2022				2023				
TC-5 - Tung Chung West Development		SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Infrastructure - New Land & Existing Runway																									
Activity 1 - Site Grading & General Excavation	120	3560	79	3	44																44	44			
Activity 2 - General Site Work (Including Utility & Drainage Systems)	121	3560	79	3	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
Activity 3a - Airfield Paving Flexible	120	3560	79	3	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
Activity 3b - Airfield Paving Rigid	120	3560	79	3	44																44	44	44	44	44
Activity 4 - APM & BHS Tunnel Construction	118	3560	79	3	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
Activity 5 - Vehicular Tunnel Construction	120	3560	79	3	44	44															44	44	44	44	44
Activity 6a - Terminal Building Foundations & Basement	121	3560	79	3	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
Activity 6b - Terminal Building Structure (Concrete)	122	3560	79	3	46																46	46	46	46	46
Activity 6c - Cladding and Roof	119	3560	79	3	43																43	43	43		
Activity 7 - Ancillary Support Area Building Construction	122	3560	79	3	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
Activity 8 - Fit out	121	3560	79	3	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
Activity 9 - Roads	120	3560	79	3	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
Activity 10 - Airfield Planing	118	3560	79	3	42																42	42			
Infrastructure - Modified Modification																									
Activity 5 - Vehicular Tunnel Construction	120	2720	77	3	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
Infrastructure - APM/BHS Systems																									
Activity 4 - APM & BHS Tunnel Construction	118	2700	77	3	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
Activity 9 - Roads	120	2700	77	3	46																46	46	46	46	46
Activity 11 - APM Depot	120	2700	77	3	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
Construction of North Commercial District (Concurrent Project)																									
Activity 5 - Foundation & building works for Phase 2	123	3000	78	3	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
Infrastructure + NCD						Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)				Cumulative Noise Impact, dB(A)				Cumulative Noise Impact, dB(A)			
Land Formation + New EA Road						55	55	55	56	55	54	53	53	54	54	54	54	53	55	55	54	45	44		

Noise Sensitive Receiver							2014				2015				2016				2017				2018				
TS-1 - Village House, Tin Sum		SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Advanced Works																											
Activity 1 - Aviation Fuel Pipeline Diversion	117	2650	76	3	44						44	44	44	44													
Activity 2 - Power Cable Diversion	117	2650	76	3	44						44	44	44	44													
Land Formation Construction Activities																											
Activity 3 - Sand Blanket Laying	106	3170	78	3	31						39	34	34	34	34	31	34	34	31								
Activity 4 - Steel Cell	113	3170	78	3	38							38	38	38	38												
Activity 5a - Ground Treatment by DCM Barge	115	3170	78	3	40							43	43	43	43	43	40	43	43	43	43	45					
Activity 5b - Ground Treatment by PVD Barge	113	3170	78	3	38							41	41	41	41	41	41	41	38	41	41						
Activity 5c - Ground Treatment by Stone Column (Water Based)	116	3170	78	3	41							44	41	44	44	44	41	41									
Activity 5d - Ground Treatment by Stone Column (Land Based)	115	3170	78	3	40								43	43	43	43											
Activity 5e - Ground Treatment by Sand Drains Barge	116	3170	78	3	41							41	41	44	44	44	41	41	44	44							
Activity 6 - Seawall Construction	111	3170	78	3	36								39	39	39	39	39	39	39	39	39	39	39				
Activity 7 - Marine Sand Filling	106	3170	78	3	31									31	34	34	34	34	34	34	34	34	36	31			
Activity 8a - Filling Above Water (Public Fill)	120	3170	78	3	45														48	48	48	48	48	52	53		
Activity 8b - Filling Above Water (Sand Fill)	122	3170	78	3	47														50	50	50	50	50	50	47	47	
Activity 8c - Compaction	113	3170	78	3	38														41	41	41	41	41	41	46	49	
Activity 9a - Placement of Surcharge	119	3170	78	3	44														47	47	47	47	47	52	52		
Activity 9b - Removal of Surcharge	120	3170	78	3	45														45	45	48	53	59				
							Noise Impact, dB(A)				47				51				55				55				
Noise Sensitive Receiver							2019				2020				2021				2022				2023				
TS-1 - Village House, Tin Sum		SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Land Formation Construction Activities																											
Activity 3 - Sand Blanket Laying	106	3170	78	3	31														34	34							
Activity 4 - Steel Cell	113	3170	78	3	38														40	40							
Activity 5a - Ground Treatment by DCM Barge	115	3170	78	3	40														38								
Activity 5b - Ground Treatment by PVD Barge	113	3170	78	3	38														41	41							
Activity 5c - Ground Treatment by Stone Column (Water Based)	116	3170	78	3	41														36	36							
Activity 5d - Ground Treatment by Stone Column (Land Based)	115	3170	78	3	40														34	34							
Activity 5e - Ground Treatment by Sand Drains Barge	116	3170	78	3	41														45	45							
Activity 6 - Seawall Construction	111	3170	78	3	36														47	47	47						
Activity 7 - Marine Sand Filling	106	3170	78	3	31														47	47	47						
Activity 8a - Filling Above Water (Public Fill)	120	3170	78	3	45	50													45	45							
Activity 8b - Filling Above Water (Sand Fill)	122	3170	78	3	47														47	47							
Activity 8c - Compaction	113	3170	78	3	38	50													38	38							
Activity 9a - Placement of Surcharge	119	3170	78	3	44	53	53	49	54	54	54	52	53	45					47	47	47						
Activity 9b - Removal of Surcharge	120	3170	78	3	45	50	55	59	54	54	52	53	45						45								
							Noise Impact, dB(A)				57	57	59	54	54	52	53	45	45	49	51	51	47	45			

Remarks:

1. Slant distance is adopted for the construction noise assessment
 2. Distance correction in dB(A)
 3. Facade correction in dB(A)
 4. Predicted Noise Levels = CNL + 10 log (No. of group of PMEs)
- Bold** figures denote exceedance of relevant noise criteria

Remarks

- Remarks:

 1. Slant distance is adopted for the construction noise assessment
 2. Distance correction in dB(A)
 3. Facade correction in dB(A)
 4. Predicted Noise Levels = CNL + 10 log (No. of group of PMEs)

Bold figures denote exceedance of relevant noise criteria

Noise Sensitive Receiver					2014				2015				2016				2017				2018			
TS-1 - Village House, Tin Sum		SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)	Q1	Q2	Q3	Q4														
Infrastructure - New Land & Existing Runway																								
Activity 1 - Site Grading & General Excavation	120	2810	77	3	46															46	46	46	46	
Activity 2 - General Site Work (Including Utility & Drainage Systems)	121	2810	77	3	47															47	47	47	47	
Activity 3a - Airfield Paving Flexible	120	2810	77	3	46																			
Activity 3b - Airfield Paving Rigid	120	2810	77	3	46																			
Activity 4 - APM & BHS Tunnel Construction	118	2810	77	3	44																			
Activity 5 - Vehicular Tunnel Construction	120	2810	77	3	46																			
Activity 6a - Terminal Building Foundations & Basement	121	2810	77	3	47																			
Activity 6b - Terminal Building Structure (Concrete)	122	2810	77	3	48																			
Activity 6c - Cladding and Roof	119	2810	77	3	45																			
Activity 7 - Ancillary Support Area Building Construction	122	2810	77	3	48															48	48	48	48	
Activity 8 - Fit out	121	2810	77	3	47																			
Activity 9 - Roads	120	2810	77	3	46																			
Activity 10 - Airfield Planing	118	2810	77	3	44																			
Infrastructure - Modified Modification																								
Activity 2 - General Site Work (Including Utility & Drainage Systems)	121	1850	73	3	51														51					
Activity 5 - Vehicular Tunnel Construction	120	1850	73	3	50														50	50	50	50	50	
Infrastructure - APM/BHS Systems																								
Activity 4 - APM & BHS Tunnel Construction	118	3000	78	3	43														43	43	43	43	43	
Activity 6a - Terminal Building Foundations & Basement	121	3000	78	3	46														46	46	46	46	46	
Activity 11 - APM Depot	120	3000	78	3	45														45	45	45	45	45	
Construction of North Commercial District (Concurrent Project)																								
Activity 1 - Site Formation for Phase 1	120	3350	79	3	44														44	44				
Activity 2 - Roadworks	123	3350	79	3	47														47	47	47	47	47	
Activity 3 - Foundation & building works for Phase 1	123	3350	79	3	47														47	47	47	47	47	
Activity 4 - Site Formation for Phase 2	120	3350	79	3	44														44	44				
Activity 5 - Foundation & building works for Phase 2	123	3350	79	3	47														47	47	47	47	47	
Infrastructure + NCD					Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)				Noise Impact, dB(A)			
Land Formation + New EA Road					49	51	50	50	50	50	56	54	55	55	54	56	57	56	57	56	57	56	57	56
Terminal 2 + Roadworks + ITT + T1 Annex Building					49	54	54	55	55	51	54	54	53	53	53	56	56	56	56	57	55	55	56	56
Cumulative Noise Impact, dB(A)					49	54	54	55	55	57	57	56	57	57	59	60	60	60	60	61	62	63	62	63
Noise Sensitive Receiver					2019				2020				2021				2022				2023			
TS-1 - Village House, Tin Sum		SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)	Q1	Q2	Q3	Q4														
Infrastructure - New Land & Existing Runway																								
Activity 1 - Site Grading & General Excavation	120	2810	77	3	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	
Activity 2 - General Site Work (Including Utility & Drainage Systems)	121	2810	77	3	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	
Activity 3a - Airfield Paving Flexible	120	2810	77	3	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	
Activity 3b - Airfield Paving Rigid	120	2810	77	3	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	
Activity 4 - APM & BHS Tunnel Construction	118	2810	77	3	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	
Activity 5 - Vehicular Tunnel Construction	120	2810	77	3	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	
Activity 6a - Terminal Building Foundations & Basement	121	2810	77	3	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	
Activity 6b - Terminal Building Structure (Concrete)	122	2810	77	3	48														48	48	48	48	48	
Activity 6c - Cladding and Roof	119	2810	77	3	45														45	45	45			
Activity 7 - Ancillary Support Area Building Construction	122	2810	77	3	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	
Activity 8 - Fit out	121	2810	77	3	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	
Activity 9 - Roads	120	2810	77	3	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	
Activity 10 - Airfield Planing	118	2810	77	3	44														44	44				
Infrastructure - Modified Modification																								
Activity 5 - Vehicular Tunnel Construction	120	1850	73	3	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
Infrastructure - APM/BHS Systems																								
Activity 4 - APM & BHS Tunnel Construction	118	3000	78	3	43	43	43	43	43	43	43	43	43	43	43	43	43	43						
Activity 9 - Roads	120	3000	78	3	45														45	45	45	45	45	
Activity 11 - APM Depot	120	3000	78	3	45	45	45	45	45	45	45	45	45	45	45	45	45	45						
Construction of North Commercial District (Concurrent Project)																								
Activity 5 - Foundation & building works for Phase 2	123	3350	79	3	47	47	47	47	47	47	47	47	47	47	47	47	47	47						
Infrastructure + NCD						57	57	57	58	57	56	55	55	56	56	57	57	56	56	57	57	56	47	46
Land Formation + New EA Road						57	57	59	54	54	52	53	45	45	49	51	51	47	45					
Terminal 2 + Roadworks + ITT + T1 Annex Building						55	55	55	53	52	52	51	51	51	51	49	49	49	49	49	46	42		
Cumulative Noise Impact, dB(A)						61	61	62	60	59	58	58	57	57	58	58	58	58	58	58	58	56	47	46

Noise Sensitive Receiver							2014				2015				2016				2017				2018				
SLW-1 - House No.1, Sha Lo Wan	SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
Advanced Works																											
Activity 1 - Aviation Fuel Pipeline Diversion	117	1140	69	3	51					51	51	51	51														
Activity 2 - Power Cable Diversion	117	1140	69	3	51					51	51	51	51														
Land Formation Construction Activities																											
Activity 3 - Sand Blanket Laying	106	2600	76	3	33					41	36	36	36	36	33	36	36	33									
Activity 4 - Steel Cell	113	2600	76	3	40					40	40	40	40														
Activity 5a - Ground Treatment by DCM Barge	115	2600	76	3	42					45	45	45	45	45	42	45	45	45	45	45	45	47					
Activity 5b - Ground Treatment by PVD Barge	113	2600	76	3	40					43	43	43	43	43	43	40	43	43	43	43	43	43					
Activity 5c - Ground Treatment by Stone Column (Water Based)	116	2600	76	3	43					46	43	46	46	46	43	43	43	43									
Activity 5d - Ground Treatment by Stone Column (Land Based)	115	2600	76	3	42					45	45	45	45	45	45	45	45	45									
Activity 5e - Ground Treatment by Sand Drains Barge	116	2600	76	3	43					43	43	46	46	46	43	43	46	46									
Activity 6 - Seawall Construction	111	2600	76	3	38					41	41	41	41	41	41	41	41	41	41	41	41	41	41	41			
Activity 7 - Marine Sand Filling	106	2600	76	3	33					33	36	36	36	36	36	36	36	36	36	36	36	36	38	33			
Activity 8a - Filling Above Water (Public Fill)	120	2600	76	3	47					50	50	50	50	50	50	50	50	50	50	50	50	54	55				
Activity 8b - Filling Above Water (Sand Fill)	122	2600	76	3	49					52	52	52	52	52	52	52	52	52	52	52	52	49	49	49			
Activity 8c - Compaction	113	2600	76	3	40					43	43	43	43	43	43	43	43	43	43	43	43	43	48	51			
Activity 9a - Placement of Surcharge	119	2600	76	3	46					49	49	49	49	49	49	49	49	49	49	49	49	54	54				
Activity 9b - Removal of Surcharge	120	2600	76	3	47					47	47	50	55	61													
							Noise Impact, dB(A)				54				56				55				57				
Noise Sensitive Receiver							2019				2020				2021				2022				2023				
SLW-1 - House No.1, Sha Lo Wan	SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
Land Formation Construction Activities																											
Activity 3 - Sand Blanket Laying	106	2600	76	3	33					36	36																
Activity 4 - Steel Cell	113	2600	76	3	40					42	42																
Activity 5a - Ground Treatment by DCM Barge	115	2600	76	3	42					40																	
Activity 5b - Ground Treatment by PVD Barge	113	2600	76	3	40					43	43																
Activity 5c - Ground Treatment by Stone Column (Water Based)	116	2600	76	3	43					38	38																
Activity 5d - Ground Treatment by Stone Column (Land Based)	115	2600	76	3	42					47	47																
Activity 5e - Ground Treatment by Sand Drains Barge	116	2600	76	3	43					49	49																
Activity 6 - Seawall Construction	111	2600	76	3	38					40	40																
Activity 7 - Marine Sand Filling	106	2600	76	3	33					47	47																
Activity 8a - Filling Above Water (Public Fill)	120	2600	76	3	47	52				49	49																
Activity 8b - Filling Above Water (Sand Fill)	122	2600	76	3	49					40	40																
Activity 8c - Compaction	113	2600	76	3	40	52				49	49																
Activity 9a - Placement of Surcharge	119	2600	76	3	46	55	55	51		47	47																
Activity 9b - Removal of Surcharge	120	2600	76	3	47	52	57	61	56	56	54	55	47														
							Noise Impact, dB(A)				59	59	61	56	56	54	55	47		47	51	53	53	49	47		

Remarks:

1. Slant distance is adopted for the construction noise assessment
 2. Distance correction in dB(A)
 3. Facade correction in dB(A)
 4. Predicted Noise Levels = CNL + 10 log (No. of group of PMEs)
- Bold** figures denote exceedance of relevant noise criteria

Noise Sensitive Receiver							2014				2015				2016				2017				2018							
SLW-1 - House No.1, Sha Lo Wan		SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
Terminal 2 & Roadworks Construction Activities																														
Activity 1 - Advance Works for T2 Expansion	120	4100	80	3	43						43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43				
Activity 2 - Piling and D-wall	120	4100	80	3	43										43	43	43	43	43	43	43	43	43	43	43	43	43	43		
Activity 3 - AIS / BHS Sub-Structure	122	4100	80	3	45																				45	45	45			
Activity 4 - Superstructure	120	4100	80	3	43																				43	43	43			
Activity 5 - Existing Structural Modification	118	4100	80	3	41																									
Activity 6 - ABWF & E&M Works	117	4100	80	3	40																									
Activity 7 - At-Grade & Elevated Road Works	122	4100	80	3	45																				45	45	45	45		
Roadworks at South Cargo Area Construction Activities																														
Activity 1 - Viaduct Roads	111	1820	73	3	41																				41	41	41	41		
Activity 2 - At-grade Roads	112	1820	73	3	42																				42	42	42	42		
Construction of Intermodal Transfer Terminal (Concurrent Project)																														
Activity 1 - Advance Works	120	4650	81	3	42						42	42																		
Activity 1a - Roadworks	123	4650	81	3	45						45	45	45	45																
Activity 1b - BHS	124	4650	81	3	46						46	46	46	46	46															
Activity 1c - APM	127	4650	81	3	49						49	49	49	49																
Activity 2 - Main works	122	4650	81	3	44						44	44	44	44																
Activity 2a - Bonded Road	123	4650	81	3	45																				45	45	45	45		
Activity 2b - BRH & coach hall	123	4650	81	3	45																				45	45	45	45		
Activity 2c - Skypier (A&A works)	117	4650	81	3	39																				39	39	39	39		
Activity 2d - APM tunnel	117	4650	81	3	39																				39	39	39	39		
Construction of Other Airport Facilities Related Works (Concurrent Project)																														
Activity 1 - Site Formation	120	4050	80	3	43																				43	43				
Activity 2 - Foundation & building works	122	4050	80	3	45																				45	45	45	45		
Noise Sensitive Receiver							Noise Impact, dB(A)				47	52	52	53	53	49	52	52	51	51	51	52	52	51	51	53	52	52		
SLW-1 - House No.1, Sha Lo Wan							Q1	Q2	Q3	Q4	2019				2020				2021				2022				2023			
Terminal 2 & Roadworks Construction Activities																														
Activity 1 - Advance Works for T2 Expansion	120	4100	80	3	43		43	43																						
Activity 2 - Piling and D-wall	120	4100	80	3	43																									
Activity 3 - AIS / BHS Sub-Structure	122	4100	80	3	45		45	45	45	45	45	45	45	45																
Activity 4 - Superstructure	120	4100	80	3	43		43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43			
Activity 5 - Existing Structural Modification	118	4100	80	3	41		41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41			
Activity 6 - ABWF & E&M Works	117	4100	80	3	40		40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40			
Activity 7 - At-Grade & Elevated Road Works	122	4100	80	3	45		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45			
Roadworks at South Cargo Area Construction Activities																														
Activity 1 - Viaduct Roads	111	1820	73	3	41		41	41	41																					
Activity 2 - At-grade Roads	112	1820	73	3	42																									
Construction of Other Airport Facilities Related Works (Concurrent Project)																														
Activity 1 - Site Formation	120	4050	80	3	43																									
Activity 2 - Foundation & building works	122	4050	80	3	45		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45			
Noise Sensitive Receiver							Noise Impact, dB(A)				52	52	52	51	50	50	49	49	49	49	49	49	47	47	47	47	47	47	44	40

Remarks:

1. Slant distance is adopted for the construction noise assessment
 2. Distance correction in dB(A)
 3. Facade correction in dB(A)
 4. Predicted Noise Levels = CNL + 10 log (No. of group of PMEs)
- Bold** figures denote exceedance of relevant noise criteria

Noise Sensitive Receiver	SLW-1 - House No.1, Sha Lo Wan	SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)	2014				2015				2016				2017				2018			
							Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Infrastructure - New Land & Existing Runway																										
Activity 1 - Site Grading & General Excavation	120	2180	75	3	48																48	48	48	48		
Activity 2 - General Site Work (Including Utility & Drainage Systems)	121	2180	75	3	49																49	49	49	49		
Activity 3a - Airfield Paving Flexible	120	2180	75	3	48																					
Activity 3b - Airfield Paving Rigid	120	2180	75	3	48																					
Activity 4 - APM & BHS Tunnel Construction	118	2180	75	3	46																					
Activity 5 - Vehicular Tunnel Construction	120	2180	75	3	48																					
Activity 6a - Terminal Building Foundations & Basement	121	2180	75	3	49																					
Activity 6b - Terminal Building Structure (Concrete)	122	2180	75	3	50																					
Activity 6c - Cladding and Roof	119	2180	75	3	47																					
Activity 7 - Ancillary Support Area Building Construction	122	2180	75	3	50																50	50	50	50		
Activity 8 - Fit out	121	2180	75	3	49																					
Activity 9 - Roads	120	2180	75	3	48																					
Activity 10 - Airfield Planing	118	2180	75	3	46																					
Infrastructure - Modified Modification																										
Activity 2 - General Site Work (Including Utility & Drainage Systems)	121	1250	70	3	54															54						
Activity 5 - Vehicular Tunnel Construction	120	1250	70	3	53															53	53	53	53	53		
Infrastructure - APM/BHS Systems																										
Activity 4 - APM & BHS Tunnel Construction	118	4100	80	3	41															41	41	41	41	41		
Activity 6a - Terminal Building Foundations & Basement	121	4100	80	3	44															44	44	44	44	44		
Activity 11 - APM Depot	120	4100	80	3	43															43	43	43	43	43		
Construction of North Commercial District (Concurrent Project)																										
Activity 1 - Site Formation for Phase 1	120	4450	81	3	42															42	42					
Activity 2 - Roadworks	123	4450	81	3	45															45	45	45	45	45		
Activity 3 - Foundation & building works for Phase 1	123	4450	81	3	45															45	45	45	45	45		
Activity 4 - Site Formation for Phase 2	120	4450	81	3	42															42	42					
Activity 5 - Foundation & building works for Phase 2	123	4450	81	3	45															45	45	45	45	45		
Infrastructure + NCD																										
Land Formation + New EA Road																										
Activity 2 + Roadworks + ITT + T1 Annex Building	47	52	52	53	53	49	52	52	51	51	51	51	52	52	51	51	53	52	52	57	57	56	60	63		
Cumulative Noise Impact, dB(A)																										
Noise Sensitive Receiver																										
SLW-1 - House No.1, Sha Lo Wan		SWL	Dist.(m) ¹	DC ²	FC ³	CNL, dB(A)	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Infrastructure - New Land & Existing Runway																										
Activity 1 - Site Grading & General Excavation	120	2180	75	3	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48		
Activity 2 - General Site Work (Including Utility & Drainage Systems)	121	2180	75	3	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49		
Activity 3a - Airfield Paving Flexible	120	2180	75	3	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48		
Activity 3b - Airfield Paving Rigid	120	2180	75	3	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48		
Activity 4 - APM & BHS Tunnel Construction	118	2180	75	3	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46		
Activity 5 - Vehicular Tunnel Construction	120	2180	75	3	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48		
Activity 6a - Terminal Building Foundations & Basement	121	2180	75	3	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49		
Activity 6b - Terminal Building Structure (Concrete)	122	2180	75	3	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50		
Activity 6c - Cladding and Roof	119	2180	75	3	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47		
Activity 7 - Ancillary Support Area Building Construction	122	2180	75	3	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50		
Activity 8 - Fit out	121	2180	75	3	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49		
Activity 9 - Roads	120	2180	75	3	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48		
Activity 10 - Airfield Planing	118	2180	75	3	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46		
Infrastructure - Modified Modification																										
Activity 5 - Vehicular Tunnel Construction	120	1250	70	3	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53		
Infrastructure - APM/BHS Systems																										
Activity 4 - APM & BHS Tunnel Construction	118	4100	80	3	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41		
Activity 9 - Roads	120	4100	80	3	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43		
Activity 11 - APM Depot	120	4100	80	3	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43		
Construction of North Commercial District (Concurrent Project)																										
Activity 5 - Foundation & building works for Phase 2	123	4450	81	3	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45		
Infrastructure + NCD																										
Activity 2 + Roadworks + ITT + T1 Annex Building	59	59	59	60	58	57	56	57	58	59	59</td															