NSR: N1
Scenario: Unmitigated
Noise criterion, dB(A) 75

Exceedance

Construction Activity	Worksite	SWL, dB(A)	Dist, m	DC dB(A)	FC dB(A)	2025 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2026 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2027 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2028 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2029 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																																																																				
1.1 Construction Access across Pak Ngan Heung River																																																																				
1.1.1 Site Clearance & Mobilisation	1.1.1	114	n/a	n/a	n/a																																																															
1.1.2 Construction of Cross Bridge	1.1.2	116	n/a	n/a	n/a																																																															
1.2 Construction of Stormwater Pumping Station																																																																				
1.2.1 Site Clearance & Mobilisation	1.2.1	114	n/a	n/a	n/a																																																															
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	115	n/a	n/a	n/a																																																															
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	114	n/a	n/a	n/a																																																															
1.2.4 Concreting Works for Wet Well	1.2.4	114	n/a	n/a	n/a																																																															
1.2.5 Superstructure for Pumping Station	1.2.5	114	n/a	n/a	n/a																																																															
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	109	n/a	n/a	n/a																																																															
1.2.7 Reinstatement	1.2.7	114	n/a	n/a	n/a																																																															
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																																																																				
1.3.1 Site Clearance & Mobilisation	1.3.1	115	n/a	n/a	n/a																																																															
1.3.2 Excavation & Temporary Works	1.3.2	114	n/a	n/a	n/a																																																															
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	113	n/a	n/a	n/a																																																															
1.3.4 Formwork Dismantling and Backfilling	1.3.4	114	n/a	n/a	n/a																																																															
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																																																																				
1.4.1 Pipe-laying Works	1.4.1	113	242	-56	3																													60	60	60	60	60	60	60	60	60	60	60	60	60	60																			
1.4.2 Backfilling and Reinstatement	1.4.2	114	242	-56	3																																													62	62	62	62													
1.5 Construction of Associated Drainage Works (River Crossing)																																																																				
1.5.1 Construction of Launching Pit	1.5.1	114	n/a	n/a	n/a																																																															
1.5.2 Equipment Setup	1.5.2	114	n/a	n/a	n/a																																																															
1.5.3 Trenchless Operation	1.5.3	114	n/a	n/a	n/a																																																															
1.5.4 Construction of Manhole	1.5.4	112	n/a	n/a	n/a																																																															
1.5.5 Reinstatement & Ancillary Works	1.5.5	115	n/a	n/a	n/a																																																															
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																																																																				
2.1 Site Clearance & Mobilisation	2.1	114	80	-46	3																				71	71	71	71																																											
2.2 Excavation & Temporary Works	2.2	114	80	-46	3																								71	71	71	71	71	71	71	71	71	71	71	71																														
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	113	80	-46	3																																			70	70	70	70	70	70	70	70	70	70	70	70																	
2.4 Formwork Dismantling and Backfilling	2.4	114	80	-46	3																																																															
3 River Improvement Works																																																																				
3.1 Improvement Works Along Tai Tei Tong River																																																																				
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls	3.1.1	114	22	-35	3											82	82	82	82	82	82	82	82	82	82	82	82																																													
3.1.2 River Reprofiling	3.1.2	114	107	-49	3																							68	68	68																																											
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	116	98	-48	3																										71	71	71	71	71	71	71			71	71																													
3.1.4 Construction of Low Flow Device	3.1.4	117	74	-45	3																																			74	74	74	74																												
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																																																																				
3.2.1 Reconstruction of gabion walls	3.2.1	114	232	-55	3								62	62	62	62	62	62																																																			
3.2.2 Construction of box culvert	3.2.2	115	n/a	n/a	n/a																																																															
3.2.3 Construction of mechanical penstocks	3.2.3	115	n/a	n/a	n/a																																																															
4 Construction of Tidal Gate and Other Associated Works																																																																				
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	115	n/a	n/a	n/a																																																															
4.2 Concreting Works for Tidal Gate	4.2	114	n/a	n/a	n/a																																																															
4.3 Delivery and E&M Installations for Tidal Gate	4.3	109	n/a	n/a	n/a																																																															
5 River Revitalisation and Associated Works																																																																				
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel	5.1	115	225	-55	3														63	63	63	63	63	63	63	63																																													
5.2 Softscape and Hardscape Works	5.2	114	225	-55	3																						62	62	62	62	62	62																																				
Predicted Noise Level, Leq (30min.), dB(A)																																																																				
- Construction Activity within Work Area													62	62	62	82	82	82	82	82	82	82	82	82	82	82	82	73	73	73	74	74	74	74	74	74	71	71	74	77	76	76	76	71	71	71	71	71	71	71	71	71	71	71	71	71	71							
Cumulative Noise Level, Leq (30mins), dB(A)													62	62	62	82	82	82	82	82	82	82	82	82	82	82	82	73	73	73	74	74	74	74	74	74	71	71	74	77	76	76	76	71	71	71	71	71	71	71	71	71	71	71	71	71	71							

Note:
[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction
[2] n/a - not applicable
[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR: N2
Scenario: Unmitigated
Noise criterion, dB(A) 75

Exceedance

Construction Activity	Worksite	SWL, dB(A)	Dist, m	DC dB(A)	FC dB(A)	2025 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2026 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2027 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2028 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2029 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																																																																					
1.1 Construction Access across Pak Ngan Heung River																																																																					
1.1.1 Site Clearance & Mobilisation	1.1.1	114	54	-43	3								74																																																							
1.1.2 Construction of Cross Bridge	1.1.2	116	54	-43	3									76	76	76	76	76	76																																																		
1.2 Construction of Stormwater Pumping Station																																																																					
1.2.1 Site Clearance & Mobilisation	1.2.1	114	16	-32	3															85	85																																														
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	115	16	-32	3																86	86	86	86																																													
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	114	16	-32	3																				85	85	85	85																																									
1.2.4 Concreting Works for Wet Well	1.2.4	114	16	-32	3																								85	85																																				
1.2.5 Superstructure for Pumping Station	1.2.5	114	16	-32	3																										85	85	85	85	85	85	85	85	85	85																										
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	109	16	-32	3																																80	80	80	80	80	80	80	80	80																						
1.2.7 Reinstatement	1.2.7	114	16	-32	3																																										85	85																		
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																																																																					
1.3.1 Site Clearance & Mobilisation	1.3.1	115	54	-43	3																				76	76	76	76	76	76																																								
1.3.2 Excavation & Temporary Works	1.3.2	114	54	-43	3																										74	74	74	74	74	74																																
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	113	54	-43	3																																74	74	74	74	74	74																										
1.3.4 Formwork Dismantling and Backfilling	1.3.4	114	54	-43	3																																						75	75	75	75	75	75																				
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																																																																					
1.4.1 Pipe-laying Works	1.4.1	113	59	-43	3																													73	73	73	73	73	73	73	73	73	73	73	73	73	73																				
1.4.2 Backfilling and Reinstatement	1.4.2	114	59	-43	3																																											74	74	74	74																
1.5 Construction of Associated Drainage Works (River Crossing)																																																																					
1.5.1 Construction of Launching Pit	1.5.1	114	45	-41	3																			76	76																																										
1.5.2 Equipment Setup	1.5.2	114	45	-41	3																					76	76																																							
1.5.3 Trenchless Operation	1.5.3	114	45	-41	3																							76	76	76	76																																		
1.5.4 Construction of Manhole	1.5.4	112	45	-41	3																											74	74																																		
1.5.5 Reinstatement & Ancillary Works	1.5.5	115	45	-41	3																													76																																
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																																																																					
2.1 Site Clearance & Mobilisation	2.1	114	n/a	n/a	n/a																																																															
2.2 Excavation & Temporary Works	2.2	114	n/a	n/a	n/a																																																																
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	113	n/a	n/a	n/a																																																															
2.4 Formwork Dismantling and Backfilling	2.4	114	n/a	n/a	n/a																																																															
3 River Improvement Works																																																																					
3.1 Improvement Works Along Tai Tei Tong River																																																																					
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls	3.1.1	114	57	-43	3											74	74	74	74	74	74	74	74	74	74	74	74																																												
3.1.2 River Reprofiling	3.1.2	114	n/a	n/a	n/a																																																															
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	116	189	-54	3																										65	65	65	65	65	65	65			65	65																										
3.1.4 Construction of Low Flow Device	3.1.4	117	n/a	n/a	n/a																																																														
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																																																																					
3.2.1 Reconstruction of gabion walls	3.2.1	114	n/a	n/a	n/a																																																														
3.2.2 Construction of box culvert	3.2.2	115	n/a	n/a	n/a																																																														
3.2.3 Construction of mechanical penstocks	3.2.3	115	275	-57	3																																																														
4 Construction of Tidal Gate and Other Associated Works																																																																					
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	115	265	-56	3																																		61	61	61	61	61	61																									
4.2 Concreting Works for Tidal Gate	4.2	114	265	-56	3																																						60	60	60	60	60	60	60	60	60																
4.3 Delivery and E&M Installations for Tidal Gate	4.3	109	265	-56	3																																																	56	56	56	56	56	56	56	56	56	56		
5 River Revitalisation and Associated Works																																																																					
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel	5.1	115	287	-57	3														61	61	61	61	61	61	61	61																																												
5.2 Softscape and Hardscape Works	5.2	114	287	-57	3																						60	60	60	60	60	60																																	
Predicted Noise Level, Leq (30min.), dB(A)																																																																					
- Construction Activity within Work Area													74	76	76	78	78	78	78	85	89	86	86	87	86	86	86	86	86	86	85	85	85	86	85	85	86	86	86	86	82	81	82	82	82	77	77	85	85	74	74	74	60	62	62	62	56	56	56	56	56	56		
Cumulative Noise Level, Leq (30mins), dB(A)													74	76	76	78	78	78	78	85	89	86	86	87	86	86	86	86	86	86	85	85	85	86	85	85	86	86	86	86	82	81	82	82	82	77	77	85	85	74	74	74	60	62	62	62	56	56	56	56	56	56		

Note:
[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction
[2] n/a - not applicable
[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR: N3
Scenario: Unmitigated
Noise criterion, dB(A) 75

Exceedance

Construction Activity	Worksite	SWL, dB(A)	Dist, m	DC dB(A)	FC dB(A)	2025 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2026 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2027 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2028 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2029 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																																																																					
1.1 Construction Access across Pak Ngan Heung River																																																																					
1.1.1 Site Clearance & Mobilisation	1.1.1	114	96	-48	3								69																																																						
1.1.2 Construction of Cross Bridge	1.1.2	116	96	-48	3									71	71	71	71	71	71																																																	
1.2 Construction of Stormwater Pumping Station																																																																					
1.2.1 Site Clearance & Mobilisation	1.2.1	114	84	-46	3															71	71																																													
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	115	84	-46	3																72	72	72	72																																													
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	114	84	-46	3																				70	70	70	70																																										
1.2.4 Concreting Works for Wet Well	1.2.4	114	84	-46	3																								70	70																																				
1.2.5 Superstructure for Pumping Station	1.2.5	114	84	-46	3																										70	70	70	70	70	70	70	70	70	70																										
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	109	84	-46	3																															66	66	66	66	66	66	66	66	66																							
1.2.7 Reinstatement	1.2.7	114	84	-46	3																																										70	70																			
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																																																																					
1.3.1 Site Clearance & Mobilisation	1.3.1	115	129	-50	3																				68	68	68	68	68	68																																									
1.3.2 Excavation & Temporary Works	1.3.2	114	129	-50	3																										66	66	66	66	66	66																														
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	113	129	-50	3																															66	66	66	66	66	66																										
1.3.4 Formwork Dismantling and Backfilling	1.3.4	114	129	-50	3																																					67	67	67	67	67	67																				
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																																																																					
1.4.1 Pipe-laying Works	1.4.1	113	4	-20	3																													96	96	96	96	96	96	96	96	96	96	96	96	96	96																				
1.4.2 Backfilling and Reinstatement	1.4.2	114	4	-20	3																																											97	97	97	97																
1.5 Construction of Associated Drainage Works (River Crossing)																																																																					
1.5.1 Construction of Launching Pit	1.5.1	114	77	-46	3																			71	71																																									
1.5.2 Equipment Setup	1.5.2	114	77	-46	3																					71	71																																						
1.5.3 Trenchless Operation	1.5.3	114	77	-46	3																							71	71	71	71																																		
1.5.4 Construction of Manhole	1.5.4	112	77	-46	3																											69	69																																
1.5.5 Reinstatement & Ancillary Works	1.5.5	115	77	-46	3																													72																															
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																																																																					
2.1 Site Clearance & Mobilisation	2.1	114	n/a	n/a	n/a																																																															
2.2 Excavation & Temporary Works	2.2	114	n/a	n/a	n/a																																																																
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	113	n/a	n/a	n/a																																																															
2.4 Formwork Dismantling and Backfilling	2.4	114	n/a	n/a	n/a																																																															
3 River Improvement Works																																																																									
3.1 Improvement Works Along Tai Tei Tong River																																																																									
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls	3.1.1	114	59	-43	3											73	73	73	73	73	73	73	73	73	73	73	73																																														
3.1.2 River Reprofiling	3.1.2	114	n/a	n/a	n/a																																																																
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	116	153	-52	3																										67	67	67	67	67	67	67			67	67																										
3.1.4 Construction of Low Flow Device	3.1.4	117	n/a	n/a	n/a																																																														
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																																																																									
3.2.1 Reconstruction of gabion walls	3.2.1	114	196	-54	3								64	64	64	64	64	64																																																				
3.2.2 Construction of box culvert	3.2.2	115	n/a	n/a	n/a																																																															
3.2.3 Construction of mechanical penstocks	3.2.3	115	159	-52	3																																																														66	66	66									
4 Construction of Tidal Gate and Other Associated Works																																																																									
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	115	252	-56	3																																		62	62	62	62	62																											
4.2 Concreting Works for Tidal Gate	4.2	114	252	-56	3																																							60	60	60	60	60	60	60	60	60																
4.3 Delivery and E&M Installations for Tidal Gate	4.3	109	252	-56	3																																																		56	56	56	56	56	56	56	56	56	56			
5 River Revitalisation and Associated Works																																																																								
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel	5.1	115	175	-53	3														65	65	65	65	65	65	65	65																																														
5.2 Softscape and Hardscape Works	5.2	114	175	-53	3																						64	64	64	64	64	64																																		
Predicted Noise Level, Leq (30min.), dB(A)													70	72	72	76	76	76	76	76	77	76	76	77	77	77	77	75	75	75	75	75	74	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	97	97	97	97	60	66	66	66	56	56	56	56	56	56		
- Construction Activity within Work Area													70	72	72	76	76	76	76	76	77	76	76	77	77	77	77	75	75	75	75	75	74	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	97	97	97	97	60	66	66	66	56	56	56	56	56	56		
Cumulative Noise Level, Leq (30mins), dB(A)													70	72	72	76	76	76	76	76	77	76	76	77	77	77	77	75	75	75	75	75	74	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	97	97	97	97	60	66	66	66	56	56	56	56	56	56		

Note:
[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction
[2] n/a - not applicable
[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR: N4
Scenario: Unmitigated
Noise criterion, dB(A) 75

Exceedance

	Worksite	SWL,	Dist,	DC	FC	2025												2026												2027												2028												2029											
Construction Activity		dB(A)	m	dB(A)	dB(A)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																																																																		
1.1 Construction Access across Pak Ngan Heung River																																																																		
1.1.1 Site Clearance & Mobilisation	1.1.1	114	23	-35	3								82																																																					
1.1.2 Construction of Cross Bridge	1.1.2	116	23	-35	3									83	83	83	83	83	83																																																
1.2 Construction of Stormwater Pumping Station																																																																			
1.2.1 Site Clearance & Mobilisation	1.2.1	114	43	-41	3														76	76																																														
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	115	43	-41	3															77	77	77	77																																													
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	114	43	-41	3																			76	76	76	76																																									
1.2.4 Concreting Works for Wet Well	1.2.4	114	43	-41	3																							76	76																																				
1.2.5 Superstructure for Pumping Station	1.2.5	114	43	-41	3																									76	76	76	76	76	76	76	76	76	76																										
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	109	43	-41	3																															71	71	71	71	71	71	71	71	71	71																				
1.2.7 Reinstatement	1.2.7	114	43	-41	3																																										76	76																
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																																																																		
1.3.1 Site Clearance & Mobilisation	1.3.1	115	46	-41	3																			77	77	77	77	77	77																																				
1.3.2 Excavation & Temporary Works	1.3.2	114	46	-41	3																										75	75	75	75	75	75																													
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	113	46	-41	3																															75	75	75	75	75	75																								
1.3.4 Formwork Dismantling and Backfilling	1.3.4	114	46	-41	3																																					76	76	76	76	76	76																				
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																																																																		
1.4.1 Pipe-laying Works	1.4.1	113	95	-48	3																												68	68	68	68	68	68	68	68	68	68	68	68	68	68	68																			
1.4.2 Backfilling and Reinstatement	1.4.2	114	95	-48	3																																											70	70	70	70														
1.5 Construction of Associated Drainage Works (River Crossing)																																																																		
1.5.1 Construction of Launching Pit	1.5.1	114	21	-34	3																		82	82																																								
1.5.2 Equipment Setup	1.5.2	114	21	-34	3																				82	82																																						
1.5.3 Trenchless Operation	1.5.3	114	21	-34	3																						82	82	82	82																																	
1.5.4 Construction of Manhole	1.5.4	112	21	-34	3																											80	80																																
1.5.5 Reinstatement & Ancillary Works	1.5.5	115	21	-34	3																												83																																
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																																																																		
2.1 Site Clearance & Mobilisation	2.1	114	n/a	n/a	n/a																																																													
2.2 Excavation & Temporary Works	2.2	114	n/a	n/a	n/a																																																													
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	113	n/a	n/a	n/a																																																												
2.4 Formwork Dismantling and Backfilling	2.4	114	n/a	n/a	n/a																																																												
3 River Improvement Works																																																																		
3.1 Improvement Works Along Tai Tei Tong River																																																																		
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls	3.1.1	114	83	-46	3											70	70	70	70	70	70	70	70	70	70	70																																									
3.1.2 River Reprofiling	3.1.2	114	n/a	n/a	n/a																																																												
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	116	230	-55	3																										64	64	64	64	64	64	64			64	64																							
3.1.4 Construction of Low Flow Device	3.1.4	117	n/a	n/a	n/a																																																											
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																																																																		
3.2.1 Reconstruction of gabion walls	3.2.1	114	n/a	n/a	n/a																																																												
3.2.2 Construction of box culvert	3.2.2	115	n/a	n/a	n/a																																																												
3.2.3 Construction of mechanical penstocks	3.2.3	115	282	-57	3																																																										61	61	61									
4 Construction of Tidal Gate and Other Associated Works																																																																		
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	115	211	-54	3																																			63	63	63	63	63																							
4.2 Concreting Works for Tidal Gate	4.2	114	211	-54	3																																								62	62	62	62	62	62	62	62	62														
4.3 Delivery and E&M Installations for Tidal Gate	4.3	109	211	-54	3																																																		58	58	58	58	58	58	58	58	58	58		
5 River Revitalisation and Associated Works																																																																		
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel	5.1	115	296	-57	3														61	61	61	61	61	61	61	61																																								
5.2 Softscape and Hardscape Works	5.2	114	296	-57	3																						59	59	59	59	59	59																																
Predicted Noise Level, Leq (30min.), dB(A)																																																																		
- Construction Activity within Work Area													82	83	83	84	84	84	84	77	80	78	78	84	84	84	84	84	84	84	84	83	83	85	79	79	80	80	80	80	78	77	78	78	78	77	77	79	77	70	70	70	62	63	63	63	58	58	58	58	58	58		
Cumulative Noise Level, Leq (30mins), dB(A)													82	83	83	84	84	84	84	77	80	78	78	84	84	84	84	84	84	84	84	83	83	85	79	79	80	80	80	80	78	77	78	78	78	77	77	79	77	70	70	70	62	63	63	63	58	58	58	58	58	58		

Note:
[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction
[2] n/a - not applicable
[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR: N5
Scenario: Unmitigated
Noise criterion, dB(A) 75

Exceedance

	Worksite	SWL,	Dist,	DC	FC	2025												2026												2027												2028												2029											
Construction Activity		dB(A)	m	dB(A)	dB(A)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																																																																		
1.1 Construction Access across Pak Ngan Heung River																																																																		
1.1.1 Site Clearance & Mobilisation	1.1.1	114	n/a	n/a	n/a																																																													
1.1.2 Construction of Cross Bridge	1.1.2	116	n/a	n/a	n/a																																																													
1.2 Construction of Stormwater Pumping Station																																																																		
1.2.1 Site Clearance & Mobilisation	1.2.1	114	n/a	n/a	n/a																																																													
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	115	n/a	n/a	n/a																																																													
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	114	n/a	n/a	n/a																																																													
1.2.4 Concreting Works for Wet Well	1.2.4	114	n/a	n/a	n/a																																																													
1.2.5 Superstructure for Pumping Station	1.2.5	114	n/a	n/a	n/a																																																													
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	109	n/a	n/a	n/a																																																													
1.2.7 Reinstatement	1.2.7	114	n/a	n/a	n/a																																																													
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																																																																			
1.3.1 Site Clearance & Mobilisation	1.3.1	115	n/a	n/a	n/a																																																													
1.3.2 Excavation & Temporary Works	1.3.2	114	n/a	n/a	n/a																																																													
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	113	n/a	n/a	n/a																																																													
1.3.4 Formwork Dismantling and Backfilling	1.3.4	114	n/a	n/a	n/a																																																													
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																																																																			
1.4.1 Pipe-laying Works	1.4.1	113	n/a	n/a	n/a																																																													
1.4.2 Backfilling and Reinstatement	1.4.2	114	n/a	n/a	n/a																																																													
1.5 Construction of Associated Drainage Works (River Crossing)																																																																			
1.5.1 Construction of Launching Pit	1.5.1	114	n/a	n/a	n/a																																																													
1.5.2 Equipment Setup	1.5.2	114	n/a	n/a	n/a																																																													
1.5.3 Trenchless Operation	1.5.3	114	n/a	n/a	n/a																																																													
1.5.4 Construction of Manhole	1.5.4	112	n/a	n/a	n/a																																																													
1.5.5 Reinstatement & Ancillary Works	1.5.5	115	n/a	n/a	n/a																																																													
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																																																																			
2.1 Site Clearance & Mobilisation	2.1	114	217	-55	3																				62	62	62	62																																								
2.2 Excavation & Temporary Works	2.2	114	217	-55	3																								62	62	62	62	62	62	62	62	62	62	62																													
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	113	217	-55	3																																			62	62	62	62	62	62	62	62	62	62	62																	
2.4 Formwork Dismantling and Backfilling	2.4	114	217	-55	3																																																													
3 River Improvement Works																																																																			
3.1 Improvement Works Along Tai Tei Tong River																																																																			
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls	3.1.1	114	103	-48	3											68	68	68	68	68	68	68	68	68	68	68	68																																										
3.1.2 River Reprofiling	3.1.2	114	39	-40	3																							77	77	77																																				
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	116	79	-46	3																										73	73	73	73	73	73	73			73	73																										
3.1.4 Construction of Low Flow Device	3.1.4	117	222	-55	3																																			65	65	65	65																										
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																																																																			
3.2.1 Reconstruction of gabion walls	3.2.1	114	n/a	n/a	n/a																																																													
3.2.2 Construction of box culvert	3.2.2	115	n/a	n/a	n/a																																																													
3.2.3 Construction of mechanical penstocks	3.2.3	115	n/a	n/a	n/a																																																													
4 Construction of Tidal Gate and Other Associated Works																																																																			
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	115	n/a	n/a	n/a																																																													
4.2 Concreting Works for Tidal Gate	4.2	114	n/a	n/a	n/a																																																													
4.3 Delivery and E&M Installations for Tidal Gate	4.3	109	n/a	n/a	n/a																																																													
5 River Revitalisation and Associated Works																																																																			
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel	5.1	115	n/a	n/a	n/a																																																													
5.2 Softscape and Hardscape Works	5.2	114	n/a	n/a	n/a																																																													
Predicted Noise Level, Leq (30min.), dB(A)																																																																			
- Construction Activity within Work Area																68	68	68	68	68	68	68	68	68	69	69	69	77	77	77	73	73	73	73	73	73	73	62	62	73	74	66	66	66	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62							
Cumulative Noise Level, Leq (30mins), dB(A)																68	68	68	68	68	68	68	68	68	69	69	69	77	77	77	73	73	73	73	73	73	73	62	62	73	74	66	66	66	62	62	62	62	62	62	62	62	62	62	62	62	62							

Note:
[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction
[2] n/a - not applicable
[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR: N6
Scenario: Unmitigated
Noise criterion, dB(A) 75

Exceedance

Construction Activity	Worksite	SWL, dB(A)	Dist, m	DC dB(A)	FC dB(A)	2025 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2026 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2027 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2028 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2029 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																																																																				
1.1 Construction Access across Pak Ngan Heung River																																																																				
1.1.1 Site Clearance & Mobilisation	1.1.1	114	n/a	n/a	n/a																																																															
1.1.2 Construction of Cross Bridge	1.1.2	116	n/a	n/a	n/a																																																															
1.2 Construction of Stormwater Pumping Station																																																																				
1.2.1 Site Clearance & Mobilisation	1.2.1	114	n/a	n/a	n/a																																																															
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	115	n/a	n/a	n/a																																																															
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	114	n/a	n/a	n/a																																																															
1.2.4 Concreting Works for Wet Well	1.2.4	114	n/a	n/a	n/a																																																															
1.2.5 Superstructure for Pumping Station	1.2.5	114	n/a	n/a	n/a																																																															
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	109	n/a	n/a	n/a																																																															
1.2.7 Reinstatement	1.2.7	114	n/a	n/a	n/a																																																															
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																																																																				
1.3.1 Site Clearance & Mobilisation	1.3.1	115	n/a	n/a	n/a																																																															
1.3.2 Excavation & Temporary Works	1.3.2	114	n/a	n/a	n/a																																																															
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	113	n/a	n/a	n/a																																																															
1.3.4 Formwork Dismantling and Backfilling	1.3.4	114	n/a	n/a	n/a																																																															
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																																																																				
1.4.1 Pipe-laying Works	1.4.1	113	n/a	n/a	n/a																																																															
1.4.2 Backfilling and Reinstatement	1.4.2	114	n/a	n/a	n/a																																																															
1.5 Construction of Associated Drainage Works (River Crossing)																																																																				
1.5.1 Construction of Launching Pit	1.5.1	114	n/a	n/a	n/a																																																															
1.5.2 Equipment Setup	1.5.2	114	n/a	n/a	n/a																																																															
1.5.3 Trenchless Operation	1.5.3	114	n/a	n/a	n/a																																																															
1.5.4 Construction of Manhole	1.5.4	112	n/a	n/a	n/a																																																															
1.5.5 Reinstatement & Ancillary Works	1.5.5	115	n/a	n/a	n/a																																																															
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																																																																					
2.1 Site Clearance & Mobilisation	2.1	114	256	-56	3																				61	61	61	61																																											
2.2 Excavation & Temporary Works	2.2	114	256	-56	3																								61	61	61	61	61	61	61	61	61	61	61	61																															
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	113	256	-56	3																																			60	60	60	60	60	60	60	60	60	60	60	60																	
2.4 Formwork Dismantling and Backfilling	2.4	114	256	-56	3																																																														
3 River Improvement Works																																																																				
3.1 Improvement Works Along Tai Tei Tong River																																																																				
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls	3.1.1	114	7	-25	3											92	92	92	92	92	92	92	92	92	92	92																																													
3.1.2 River Reprofiling	3.1.2	114	81	-46	3																							71	71	71																																							
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	116	117	-49	3																										70	70	70	70	70	70	70			70	70																												
3.1.4 Construction of Low Flow Device	3.1.4	117	262	-56	3																																			63	63	63	63																												
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																																																																				
3.2.1 Reconstruction of gabion walls	3.2.1	114	n/a	n/a	n/a																																																														
3.2.2 Construction of box culvert	3.2.2	115	n/a	n/a	n/a																																																														
3.2.3 Construction of mechanical penstocks	3.2.3	115	n/a	n/a	n/a																																																														
4 Construction of Tidal Gate and Other Associated Works																																																																				
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	115	n/a	n/a	n/a																																																														
4.2 Concreting Works for Tidal Gate	4.2	114	n/a	n/a	n/a																																																														
4.3 Delivery and E&M Installations for Tidal Gate	4.3	109	n/a	n/a	n/a																																																														
5 River Revitalisation and Associated Works																																																																				
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel	5.1	115	n/a	n/a	n/a																																																														
5.2 Softscape and Hardscape Works	5.2	114	n/a	n/a	n/a																																																														
Predicted Noise Level, Leq (30min.), dB(A)																																																																				
- Construction Activity within Work Area																92	92	92	92	92	92	92	92	92	92	92	71	71	71	70	70	70	70	70	70	61	61	70	71	65	65	65	60	60	60	60	60	60	60	60	61	61	61	61	61	61							
Cumulative Noise Level, Leq (30mins), dB(A)																92	92	92	92	92	92	92	92	92	92	92	71	71	71	70	70	70	70	70	70	61	61	70	71	65	65	65	60	60	60	60	60	60	60	60	61	61	61	61	61	61							

Note:
[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction
[2] n/a - not applicable
[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR: N7
Scenario: Unmitigated
Noise criterion, dB(A) 75

Exceedance

Construction Activity	Worksite	SWL, dB(A)	Dist, m	DC dB(A)	FC dB(A)	2025 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2026 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2027 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2028 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2029 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																																																																				
1.1 Construction Access across Pak Ngan Heung River																																																																				
1.1.1 Site Clearance & Mobilisation	1.1.1	114	252	-56	3								61																																																					
1.1.2 Construction of Cross Bridge	1.1.2	116	252	-56	3									63	63	63	63	63	63																																																	
1.2 Construction of Stormwater Pumping Station																																																																				
1.2.1 Site Clearance & Mobilisation	1.2.1	114	284	-57	3															60	60																																													
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	115	284	-57	3																61	61	61	61																																													
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	114	284	-57	3																				60	60	60	60																																										
1.2.4 Concreting Works for Wet Well	1.2.4	114	284	-57	3																								60	60																																				
1.2.5 Superstructure for Pumping Station	1.2.5	114	284	-57	3																										60	60	60	60	60	60	60	60	60	60																										
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	109	284	-57	3																															55	55	55	55	55	55	55	55	55																							
1.2.7 Reinstatement	1.2.7	114	284	-57	3																																										60	60																		
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																																																																				
1.3.1 Site Clearance & Mobilisation	1.3.1	115	132	-50	3																				68	68	68	68	68	68																																									
1.3.2 Excavation & Temporary Works	1.3.2	114	132	-50	3																										66	66	66	66	66	66																														
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	113	132	-50	3																															66	66	66	66	66	66																										
1.3.4 Formwork Dismantling and Backfilling	1.3.4	114	132	-50	3																																					67	67	67	67	67	67																				
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																																																																				
1.4.1 Pipe-laying Works	1.4.1	113	3	-18	3																													98	98	98	98	98	98	98	98	98	98	98	98	98	98																				
1.4.2 Backfilling and Reinstatement	1.4.2	114	3	-18	3																																											100	100	100	100																
1.5 Construction of Associated Drainage Works (River Crossing)																																																																				
1.5.1 Construction of Launching Pit	1.5.1	114	252	-56	3																			61	61																																									
1.5.2 Equipment Setup	1.5.2	114	252	-56	3																					61	61																																						
1.5.3 Trenchless Operation	1.5.3	114	252	-56	3																							61	61	61	61																																		
1.5.4 Construction of Manhole	1.5.4	112	252	-56	3																											59	59																																
1.5.5 Reinstatement & Ancillary Works	1.5.5	115	252	-56	3																													62																															
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																																																																				
2.1 Site Clearance & Mobilisation	2.1	114	n/a	n/a	n/a																																																														
2.2 Excavation & Temporary Works	2.2	114	n/a	n/a	n/a																																																														
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	113	n/a	n/a	n/a																																																														
2.4 Formwork Dismantling and Backfilling	2.4	114	n/a	n/a	n/a																																																														
3 River Improvement Works																																																																				
3.1 Improvement Works Along Tai Tei Tong River																																																																				
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls	3.1.1	114	n/a	n/a	n/a																																																														
3.1.2 River Reprofiling	3.1.2	114	n/a	n/a	n/a																																																														
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	116	n/a	n/a	n/a																																																														
3.1.4 Construction of Low Flow Device	3.1.4	117	n/a	n/a	n/a																																																														
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																																																																				
3.2.1 Reconstruction of gabion walls	3.2.1	114	n/a	n/a	n/a																																																														
3.2.2 Construction of box culvert	3.2.2	115	n/a	n/a	n/a																																																														
3.2.3 Construction of mechanical penstocks	3.2.3	115	n/a	n/a	n/a																																																														
4 Construction of Tidal Gate and Other Associated Works																																																																				
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	115	143	-51	3																																			66	66	66	66	66																									
4.2 Concreting Works for Tidal Gate	4.2	114	143	-51	3																																							65	65	65	65	65	65	65	65	65															
4.3 Delivery and E&M Installations for Tidal Gate	4.3	109	143	-51	3																																																	61	61	61	61	61	61	61	61	61	61		
5 River Revitalisation and Associated Works																																																																				
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel	5.1	115	n/a	n/a	n/a																																																														
5.2 Softscape and Hardscape Works	5.2	114	n/a	n/a	n/a																																																														
Predicted Noise Level, Leq (30min.), dB(A)																																																																				
- Construction Activity within Work Area													61	63	63	63	63	63	63	60	63	61	61	64	69	69	69	69	69	69	68	68	68	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	100	100	100	100	65	61	61	61	61	61	61	61	61	61	61		
Cumulative Noise Level, Leq (30mins), dB(A)													61	63	63	63	63	63	63	60	63	61	61	64	69	69	69	69	69	69	68	68	68	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	100	100	100	100	65	61	61	61	61	61	61	61	61	61	61		

Note:
[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction
[2] n/a - not applicable
[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR: N8
Scenario: Unmitigated
Noise criterion, dB(A) 75

Exceedance

Construction Activity	Worksite	SWL, dB(A)	Dist, m	DC dB(A)	FC dB(A)	2025 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2026 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2027 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2028 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2029 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																																																																					
1.1 Construction Access across Pak Ngan Heung River																																																																					
1.1.1 Site Clearance & Mobilisation	1.1.1	114	174	-53	3								64																																																						
1.1.2 Construction of Cross Bridge	1.1.2	116	174	-53	3									66	66	66	66	66	66																																																	
1.2 Construction of Stormwater Pumping Station																																																																					
1.2.1 Site Clearance & Mobilisation	1.2.1	114	205	-54	3															63	63																																														
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	115	205	-54	3																64	64	64	64																																													
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	114	205	-54	3																				63	63	63	63																																										
1.2.4 Concreting Works for Wet Well	1.2.4	114	205	-54	3																								62	62																																				
1.2.5 Superstructure for Pumping Station	1.2.5	114	205	-54	3																										62	62	62	62	62	62	62	62	62	62																										
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	109	205	-54	3																																58	58	58	58	58	58	58	58	58																					
1.2.7 Reinstatement	1.2.7	114	205	-54	3																																										63	63																		
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																																																																					
1.3.1 Site Clearance & Mobilisation	1.3.1	115	88	-47	3																				71	71	71	71	71	71																																										
1.3.2 Excavation & Temporary Works	1.3.2	114	88	-47	3																										70	70	70	70	70	70																															
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	113	88	-47	3																																70	70	70	70	70	70																									
1.3.4 Formwork Dismantling and Backfilling	1.3.4	114	88	-47	3																																						70	70	70	70	70	70																			
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																																																																					
1.4.1 Pipe-laying Works	1.4.1	113	125	-50	3																													66	66	66	66	66	66	66	66	66	66	66	66	66																					
1.4.2 Backfilling and Reinstatement	1.4.2	114	125	-50	3																																											67	67	67	67																
1.5 Construction of Associated Drainage Works (River Crossing)																																																																					
1.5.1 Construction of Launching Pit	1.5.1	114	174	-53	3																			64	64																																										
1.5.2 Equipment Setup	1.5.2	114	174	-53	3																					64	64																																						
1.5.3 Trenchless Operation	1.5.3	114	174	-53	3																							64	64	64	64																																		
1.5.4 Construction of Manhole	1.5.4	112	174	-53	3																											62	62																																
1.5.5 Reinstatement & Ancillary Works	1.5.5	115	174	-53	3																													65																															
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																																																																					
2.1 Site Clearance & Mobilisation	2.1	114	n/a	n/a	n/a																																																														
2.2 Excavation & Temporary Works	2.2	114	n/a	n/a	n/a																																																															
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	113	n/a	n/a	n/a																																																														
2.4 Formwork Dismantling and Backfilling	2.4	114	n/a	n/a	n/a																																																														
3 River Improvement Works																																																																					
3.1 Improvement Works Along Tai Tei Tong River																																																																					
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls	3.1.1	114	207	-54	3										62	62		62	62	62	62	62	62	62	62	62	62																																											
3.1.2 River Reprofiling	3.1.2	114	n/a	n/a	n/a																																																														
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	116	n/a	n/a	n/a																																																														
3.1.4 Construction of Low Flow Device	3.1.4	117	n/a	n/a	n/a																																																														
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																																																																					
3.2.1 Reconstruction of gabion walls	3.2.1	114	255	-56	3								61	61	61	61	61	61																																																			
3.2.2 Construction of box culvert	3.2.2	115	n/a	n/a	n/a																																																														
3.2.3 Construction of mechanical penstocks	3.2.3	115	248	-56	3																																																										62	62	62							
4 Construction of Tidal Gate and Other Associated Works																																																																					
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	115	87	-47	3																																		71	71	71	71	71	71																									
4.2 Concreting Works for Tidal Gate	4.2	114	87	-47	3																																							70	70	70	70	70	70	70	70	70	70														
4.3 Delivery and E&M Installations for Tidal Gate	4.3	109	87	-47	3																																																		66	66	66	66	66	66	66	66	66	66		
5 River Revitalisation and Associated Works																																																																					
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel	5.1	115	266	-56	3														61	61	61	61	61	61	61	61																																											
5.2 Softscape and Hardscape Works	5.2	114	266	-56	3																						60	60	60	60	60	60																																	
Predicted Noise Level, Leq (30min.), dB(A)																																																																					
- Construction Activity within Work Area													66	67	67	68	68	68	68	67	69	67	67	69	73	73	73	73	73	73	72	71	71	73	72	72	72	72	72	74	74	74	74	74	74	74	74	72	72	72	72	70	67	67	67	66	66	66	66	66	66	66		
Cumulative Noise Level, Leq (30mins), dB(A)													66	67	67	68	68	68	68	67	69	67	67	69	73	73	73	73	73	73	72	71	71	73	72	72	72	72	72	74	74	74	74	74	74	74	74	72	72	72	72	70	67	67	67	66	66	66	66	66	66	66		

Note:
[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction
[2] n/a - not applicable
[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR: N9
Scenario: Unmitigated
Noise criterion, dB(A) 75

Exceedance

Construction Activity	Worksite	SWL, dB(A)	Dist, m	DC dB(A)	FC dB(A)	2025 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2026 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2027 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2028 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2029 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																																																																			
1.1 Construction Access across Pak Ngan Heung River																																																																			
1.1.1 Site Clearance & Mobilisation	1.1.1	114	253	-56	3								61																																																					
1.1.2 Construction of Cross Bridge	1.1.2	116	253	-56	3									63	63	63	63	63	63																																																
1.2 Construction of Stormwater Pumping Station																																																																			
1.2.1 Site Clearance & Mobilisation	1.2.1	114	n/a	n/a	n/a																																																														
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	115	n/a	n/a	n/a																																																														
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	114	n/a	n/a	n/a																																																														
1.2.4 Concreting Works for Wet Well	1.2.4	114	n/a	n/a	n/a																																																														
1.2.5 Superstructure for Pumping Station	1.2.5	114	n/a	n/a	n/a																																																														
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	109	n/a	n/a	n/a																																																														
1.2.7 Reinstatement	1.2.7	114	n/a	n/a	n/a																																																														
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																																																																				
1.3.1 Site Clearance & Mobilisation	1.3.1	115	64	-44	3																				74	74	74	74	74	74																																									
1.3.2 Excavation & Temporary Works	1.3.2	114	64	-44	3																										73	73	73	73	73	73																																
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	113	64	-44	3																																72	72	72	72	72	72																											
1.3.4 Formwork Dismantling and Backfilling	1.3.4	114	64	-44	3																																						73	73	73	73	73	73																				
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																																																																				
1.4.1 Pipe-laying Works	1.4.1	113	59	-43	3																													73	73	73	73	73	73	73	73	73	73	73	73	73	73	73																			
1.4.2 Backfilling and Reinstatement	1.4.2	114	59	-43	3																																												74	74	74	74															
1.5 Construction of Associated Drainage Works (River Crossing)																																																																				
1.5.1 Construction of Launching Pit	1.5.1	114	253	-56	3																			61	61																																										
1.5.2 Equipment Setup	1.5.2	114	253	-56	3																					61	61																																							
1.5.3 Trenchless Operation	1.5.3	114	253	-56	3																							61	61	61	61																																		
1.5.4 Construction of Manhole	1.5.4	112	253	-56	3																											59	59																																	
1.5.5 Reinstatement & Ancillary Works	1.5.5	115	253	-56	3																													61																																
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																																																																				
2.1 Site Clearance & Mobilisation	2.1	114	n/a	n/a	n/a																																																														
2.2 Excavation & Temporary Works	2.2	114	n/a	n/a	n/a																																																														
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	113	n/a	n/a	n/a																																																														
2.4 Formwork Dismantling and Backfilling	2.4	114	n/a	n/a	n/a																																																														
3 River Improvement Works																																																																				
3.1 Improvement Works Along Tai Tei Tong River																																																																				
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls	3.1.1	114	n/a	n/a	n/a																																																														
3.1.2 River Reprofiling	3.1.2	114	n/a	n/a	n/a																																																														
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	116	n/a	n/a	n/a																																																														
3.1.4 Construction of Low Flow Device	3.1.4	117	n/a	n/a	n/a																																																														
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																																																																				
3.2.1 Reconstruction of gabion walls	3.2.1	114	n/a	n/a	n/a																																																														
3.2.2 Construction of box culvert	3.2.2	115	n/a	n/a	n/a																																																														
3.2.3 Construction of mechanical penstocks	3.2.3	115	n/a	n/a	n/a																																																														
4 Construction of Tidal Gate and Other Associated Works																																																																				
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	115	20	-34	3																																		84	84	84	84	84																									
4.2 Concreting Works for Tidal Gate	4.2	114	20	-34	3																																						83	83	83	83	83	83	83	83	83	83															
4.3 Delivery and E&M Installations for Tidal Gate	4.3	109	20	-34	3																																																	78	78	78	78	78	78	78	78	78	78			
5 River Revitalisation and Associated Works																																																																				
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel	5.1	115	n/a	n/a	n/a																																																														
5.2 Softscape and Hardscape Works	5.2	114	n/a	n/a	n/a																																																														
Predicted Noise Level, Leq (30min.), dB(A)																																																																				
- Construction Activity within Work Area													61	63	63	63	63	63	63					61	74	74	74	74	74	74	73	73	73	76	76	76	75	75	75	84	84	84	84	84	83	83	83	83	83	83	83	83	83	78	78	78	78	78	78	78	78	78	78		
Cumulative Noise Level, Leq (30mins), dB(A)													61	63	63	63	63	63	63					61	74	74	74	74	74	74	73	73	73	76	76	76	75	75	75	84	84	84	84	84	83	83	83	83	83	83	83	83	83	78	78	78	78	78	78	78	78	78	78		

Note:
[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction
[2] n/a - not applicable
[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR: N10
Scenario: Unmitigated
Noise criterion, dB(A) 75

Exceedance

Construction Activity	Worksite	SWL, dB(A)	Dist, m	DC dB(A)	FC dB(A)	2025 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2026 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2027 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2028 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2029 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																																																																				
1.1 Construction Access across Pak Ngan Heung River																																																																				
1.1.1 Site Clearance & Mobilisation	1.1.1	114	n/a	n/a	n/a																																																															
1.1.2 Construction of Cross Bridge	1.1.2	116	n/a	n/a	n/a																																																															
1.2 Construction of Stormwater Pumping Station																																																																				
1.2.1 Site Clearance & Mobilisation	1.2.1	114	n/a	n/a	n/a																																																															
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	115	n/a	n/a	n/a																																																															
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	114	n/a	n/a	n/a																																																															
1.2.4 Concreting Works for Wet Well	1.2.4	114	n/a	n/a	n/a																																																															
1.2.5 Superstructure for Pumping Station	1.2.5	114	n/a	n/a	n/a																																																															
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	109	n/a	n/a	n/a																																																															
1.2.7 Reinstatement	1.2.7	114	n/a	n/a	n/a																																																															
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																																																																					
1.3.1 Site Clearance & Mobilisation	1.3.1	115	n/a	n/a	n/a																																																															
1.3.2 Excavation & Temporary Works	1.3.2	114	n/a	n/a	n/a																																																															
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	113	n/a	n/a	n/a																																																															
1.3.4 Formwork Dismantling and Backfilling	1.3.4	114	n/a	n/a	n/a																																																															
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																																																																					
1.4.1 Pipe-laying Works	1.4.1	113	146	-51	3																													65	65	65	65	65	65	65	65	65	65	65	65	65	65																					
1.4.2 Backfilling and Reinstatement	1.4.2	114	146	-51	3																																												66	66	66	66															
1.5 Construction of Associated Drainage Works (River Crossing)																																																																					
1.5.1 Construction of Launching Pit	1.5.1	114	n/a	n/a	n/a																																																															
1.5.2 Equipment Setup	1.5.2	114	n/a	n/a	n/a																																																																
1.5.3 Trenchless Operation	1.5.3	114	n/a	n/a	n/a																																																															
1.5.4 Construction of Manhole	1.5.4	112	n/a	n/a	n/a																																																															
1.5.5 Reinstatement & Ancillary Works	1.5.5	115	n/a	n/a	n/a																																																															
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																																																																					
2.1 Site Clearance & Mobilisation	2.1	114	117	-49	3																				68	68	68	68																																												
2.2 Excavation & Temporary Works	2.2	114	117	-49	3																								67	67	67	67	67	67	67	67	67	67	67	67																											
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	113	117	-49	3																																			67	67	67	67	67	67	67	67	67	67	67																		
2.4 Formwork Dismantling and Backfilling	2.4	114	117	-49	3																																																												68	68	68	68	68	68							
3 River Improvement Works																																																																					
3.1 Improvement Works Along Tai Tei Tong River																																																																					
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls	3.1.1	114	196	-54	3										63	63		63	63	63	63	63	63	63	63	63	63																																												
3.1.2 River Reprofiling	3.1.2	114	n/a	n/a	n/a																																																															
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	116	149	-51	3																										68	68	68	68	68	68	68			68	68																											
3.1.4 Construction of Low Flow Device	3.1.4	117	219	-55	3																																			65	65	65	65																											
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																																																																					
3.2.1 Reconstruction of gabion walls	3.2.1	114	99	-48	3								70	70	70	70	70	70																																																			
3.2.2 Construction of box culvert	3.2.2	115	n/a	n/a	n/a																																																															
3.2.3 Construction of mechanical penstocks	3.2.3	115	194	-54	3																																																															
4 Construction of Tidal Gate and Other Associated Works																																																																					
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	115	n/a	n/a	n/a																																																															
4.2 Concreting Works for Tidal Gate	4.2	114	n/a	n/a	n/a																																																															
4.3 Delivery and E&M Installations for Tidal Gate	4.3	109	n/a	n/a	n/a																																																															
5 River Revitalisation and Associated Works																																																																					
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel	5.1	115	23	-35	3														83	83	83	83	83	83	83	83																																													
5.2 Softscape and Hardscape Works	5.2	114	23	-35	3																						82	82	82	82	82	82																																			
Predicted Noise Level, Leq (30min.), dB(A)													70	70	70	70	70	70	83	83	83	83	83	83	83	83	82	82	82	82	82	82	70	71	71	71	71	69	69	71	72	70	70	70	69	69	69	69	70	70	70	70	68	69	69	69	68	68							
- Construction Activity within Work Area													70	70	70	70	70	70	83	83	83	83	83	83	83	83	82	82	82	82	82	82	70	71	71	71	71	69	69	71	72	70	70	70	69	69	69	69	70	70	70	70	68	69	69	69	68	68							
Cumulative Noise Level, Leq (30mins), dB(A)													70	70	70	70	70	70	83	83	83	83	83	83	83	83	82	82	82	82	82	82	70	71	71	71	71	69	69	71	72	70	70	70	69	69	69	69	70	70	70	70	68	69	69	69	68	68							

Note:
[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction
[2] n/a - not applicable
[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR: N11
Scenario: Unmitigated
Noise criterion, dB(A) 70

Exceedance

	Worksite	SWL,	Dist,	DC	FC	2025												2026												2027												2028												2029											
Construction Activity		dB(A)	m	dB(A)	dB(A)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																																																																		
1.1 Construction Access across Pak Ngan Heung River																																																																		
1.1.1 Site Clearance & Mobilisation	1.1.1	114	n/a	n/a	n/a																																																														
1.1.2 Construction of Cross Bridge	1.1.2	116	n/a	n/a	n/a																																																														
1.2 Construction of Stormwater Pumping Station																																																																			
1.2.1 Site Clearance & Mobilisation	1.2.1	114	n/a	n/a	n/a																																																														
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	115	n/a	n/a	n/a																																																														
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	114	n/a	n/a	n/a																																																														
1.2.4 Concreting Works for Wet Well	1.2.4	114	n/a	n/a	n/a																																																														
1.2.5 Superstructure for Pumping Station	1.2.5	114	n/a	n/a	n/a																																																														
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	109	n/a	n/a	n/a																																																														
1.2.7 Reinstatement	1.2.7	114	n/a	n/a	n/a																																																														
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																																																																				
1.3.1 Site Clearance & Mobilisation	1.3.1	115	n/a	n/a	n/a																																																														
1.3.2 Excavation & Temporary Works	1.3.2	114	n/a	n/a	n/a																																																														
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	113	n/a	n/a	n/a																																																														
1.3.4 Formwork Dismantling and Backfilling	1.3.4	114	n/a	n/a	n/a																																																														
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																																																																				
1.4.1 Pipe-laying Works	1.4.1	113	289	-57	3																												59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59																		
1.4.2 Backfilling and Reinstatement	1.4.2	114	289	-57	3																																											60	60	60	60														
1.5 Construction of Associated Drainage Works (River Crossing)																																																																				
1.5.1 Construction of Launching Pit	1.5.1	114	n/a	n/a	n/a																																																														
1.5.2 Equipment Setup	1.5.2	114	n/a	n/a	n/a																																																														
1.5.3 Trenchless Operation	1.5.3	114	n/a	n/a	n/a																																																														
1.5.4 Construction of Manhole	1.5.4	112	n/a	n/a	n/a																																																														
1.5.5 Reinstatement & Ancillary Works	1.5.5	115	n/a	n/a	n/a																																																														
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																																																																				
2.1 Site Clearance & Mobilisation	2.1	114	90	-47	3																				70	70	70	70																																										
2.2 Excavation & Temporary Works	2.2	114	90	-47	3																								70	70	70	70	70	70	70	70	70	70	70	70																													
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	113	90	-47	3																																				69	69	69	69	69	69	69	69	69	69	69															
2.4 Formwork Dismantling and Backfilling	2.4	114	90	-47	3																																																										70	70	70	70	70	70						
3 River Improvement Works																																																																				
3.1 Improvement Works Along Tai Tei Tong River																																																																				
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls	3.1.1	114	7	-25	3											92	92	92	92	92	92	92	92	92	92	92	92																																												
3.1.2 River Reprofiling	3.1.2	114	51	-42	3																							75	75	75																																						
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	116	49	-42	3																										77	77	77	77	77	77	77				77	77																										
3.1.4 Construction of Low Flow Device	3.1.4	117	98	-48	3																																				72	72	72	72																										
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																																																																				
3.2.1 Reconstruction of gabion walls	3.2.1	114	233	-55	3								62	62	62	62	62	62																																																			
3.2.2 Construction of box culvert	3.2.2	115	n/a	n/a	n/a																																																														
3.2.3 Construction of mechanical penstocks	3.2.3	115	n/a	n/a	n/a																																																														
4 Construction of Tidal Gate and Other Associated Works																																																																				
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	115	n/a	n/a	n/a																																																														
4.2 Concreting Works for Tidal Gate	4.2	114	n/a	n/a	n/a																																																														
4.3 Delivery and E&M Installations for Tidal Gate	4.3	109	n/a	n/a	n/a																																																														
5 River Revitalisation and Associated Works																																																																				
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel	5.1	115	231	-55	3														63	63	63	63	63	63	63	63																																												
5.2 Softscape and Hardscape Works	5.2	114	231	-55	3																						62	62	62	62	62	62																																			
Predicted Noise Level, Leq (30min.), dB(A)																																																																				
- Construction Activity within Work Area													62	62	62	92	92	92	92	92	92	92	92	92	92	92	92	76	76	76	78	78	78	78	78	78	78	70	70	78	79	74	74	74	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70							
Cumulative Noise Level, Leq (30mins), dB(A)													62	62	62	92	92	92	92	92	92	92	92	92	92	92	92	76	76	76	78	78	78	78	78	78	78	70	70	78	79	74	74	74	70	70	70	70	70	70	70	70	70	70	70	70	70	70							

Note:
[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction
[2] n/a - not applicable
[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR: N12
Scenario: Unmitigated
Noise criterion, dB(A) 70

Exceedance

Construction Activity	Worksite	SWL, dB(A)	Dist, m	DC dB(A)	FC dB(A)	2025 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2026 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2027 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2028 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2029 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																																																																			
1.1 Construction Access across Pak Ngan Heung River																																																																			
1.1.1 Site Clearance & Mobilisation	1.1.1	114	231	-55	3								62																																																					
1.1.2 Construction of Cross Bridge	1.1.2	116	231	-55	3									63	63	63	63	63	63																																																
1.2 Construction of Stormwater Pumping Station																																																																			
1.2.1 Site Clearance & Mobilisation	1.2.1	114	255	-56	3															61	61																																													
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	115	255	-56	3																62	62	62	62																																												
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	114	255	-56	3																				61	61	61	61																																									
1.2.4 Concreting Works for Wet Well	1.2.4	114	255	-56	3																								60	60																																			
1.2.5 Superstructure for Pumping Station	1.2.5	114	255	-56	3																										61	61	61	61	61	61	61	61	61	61																									
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	109	255	-56	3																																56	56	56	56	56	56	56	56	56																					
1.2.7 Reinstatement	1.2.7	114	255	-56	3																																											61	61																
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																																																																			
1.3.1 Site Clearance & Mobilisation	1.3.1	115	166	-52	3																				66	66	66	66	66	66																																								
1.3.2 Excavation & Temporary Works	1.3.2	114	166	-52	3																										64	64	64	64	64	64																													
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	113	166	-52	3																																64	64	64	64	64	64																							
1.3.4 Formwork Dismantling and Backfilling	1.3.4	114	166	-52	3																																						65	65	65	65	65	65																			
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																																																																			
1.4.1 Pipe-laying Works	1.4.1	113	61	-44	3																													72	72	72	72	72	72	72	72	72	72	72	72	72	72																			
1.4.2 Backfilling and Reinstatement	1.4.2	114	61	-44	3																																												74	74	74	74														
1.5 Construction of Associated Drainage Works (River Crossing)																																																																			
1.5.1 Construction of Launching Pit	1.5.1	114	202	-54	3																			63	63																																								
1.5.2 Equipment Setup	1.5.2	114	202	-54	3																					63	63																																					
1.5.3 Trenchless Operation	1.5.3	114	202	-54	3																							63	63	63	63																																	
1.5.4 Construction of Manhole	1.5.4	112	202	-54	3																											61	61																																
1.5.5 Reinstatement & Ancillary Works	1.5.5	115	202	-54	3																													63																															
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																																																																			
2.1 Site Clearance & Mobilisation	2.1	114	n/a	n/a	n/a																																																														
2.2 Excavation & Temporary Works	2.2	114	n/a	n/a	n/a																																																														
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	113	n/a	n/a	n/a																																																														
2.4 Formwork Dismantling and Backfilling	2.4	114	n/a	n/a	n/a																																																														
3 River Improvement Works																																																																			
3.1 Improvement Works Along Tai Tei Tong River																																																																			
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls	3.1.1	114	n/a	n/a	n/a																																																														
3.1.2 River Reprofiling	3.1.2	114	n/a	n/a	n/a																																																														
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	116	n/a	n/a	n/a																																																														
3.1.4 Construction of Low Flow Device	3.1.4	117	n/a	n/a	n/a																																																														
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																																																																			
3.2.1 Reconstruction of gabion walls	3.2.1	114	n/a	n/a	n/a																																																														
3.2.2 Construction of box culvert	3.2.2	115	n/a	n/a	n/a																																																														
3.2.3 Construction of mechanical penstocks	3.2.3	115	n/a	n/a	n/a																																																														
4 Construction of Tidal Gate and Other Associated Works																																																																			
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	115	190	-54	3																																		64	64	64	64	64																									
4.2 Concreting Works for Tidal Gate	4.2	114	190	-54	3																																							63	63	63	63	63	63	63	63	63															
4.3 Delivery and E&M Installations for Tidal Gate	4.3	109	190	-54	3																																																	59	59	59	59	59	59	59	59	59	59		
5 River Revitalisation and Associated Works																																																																			
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel	5.1	115	n/a	n/a	n/a																																																														
5.2 Softscape and Hardscape Works	5.2	114	n/a	n/a	n/a																																																														
Predicted Noise Level, Leq (30min.), dB(A)																																																																			
- Construction Activity within Work Area													62	63	63	63	63	63	63	61	64	62	62	65	68	68	68	68	68	68	68	67	67	74	73	73	73	73	73	74	73	73	74	74	73	73	73	74	74	74	74	63	59	59	59	59	59	59	59	59	59		
Cumulative Noise Level, Leq (30mins), dB(A)													62	63	63	63	63	63	63	61	64	62	62	65	68	68	68	68	68	68	68	67	67	74	73	73	73	73	73	74	73	73	74	74	73	73	73	74	74	74	74	63	59	59	59	59	59	59	59	59	59		

Note:
[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction
[2] n/a - not applicable
[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR: N13
Scenario: Unmitigated
Noise criterion, dB(A) 70

Exceedance

Construction Activity	Worksite	SWL, dB(A)	Dist, m	DC dB(A)	FC dB(A)	2025 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2026 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2027 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2028 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2029 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																																																																				
1.1 Construction Access across Pak Ngan Heung River																																																																				
1.1.1 Site Clearance & Mobilisation	1.1.1	114	n/a	n/a	n/a																																																															
1.1.2 Construction of Cross Bridge	1.1.2	116	n/a	n/a	n/a																																																															
1.2 Construction of Stormwater Pumping Station																																																																				
1.2.1 Site Clearance & Mobilisation	1.2.1	114	n/a	n/a	n/a																																																															
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	115	n/a	n/a	n/a																																																															
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	114	n/a	n/a	n/a																																																															
1.2.4 Concreting Works for Wet Well	1.2.4	114	n/a	n/a	n/a																																																															
1.2.5 Superstructure for Pumping Station	1.2.5	114	n/a	n/a	n/a																																																															
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	109	n/a	n/a	n/a																																																															
1.2.7 Reinstatement	1.2.7	114	n/a	n/a	n/a																																																															
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																																																																				
1.3.1 Site Clearance & Mobilisation	1.3.1	115	n/a	n/a	n/a																																																															
1.3.2 Excavation & Temporary Works	1.3.2	114	n/a	n/a	n/a																																																															
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	113	n/a	n/a	n/a																																																															
1.3.4 Formwork Dismantling and Backfilling	1.3.4	114	n/a	n/a	n/a																																																															
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																																																																				
1.4.1 Pipe-laying Works	1.4.1	113	249	-56	3																													60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60																
1.4.2 Backfilling and Reinstatement	1.4.2	114	249	-56	3																																													61	61	61	61														
1.5 Construction of Associated Drainage Works (River Crossing)																																																																				
1.5.1 Construction of Launching Pit	1.5.1	114	n/a	n/a	n/a																																																															
1.5.2 Equipment Setup	1.5.2	114	n/a	n/a	n/a																																																															
1.5.3 Trenchless Operation	1.5.3	114	n/a	n/a	n/a																																																															
1.5.4 Construction of Manhole	1.5.4	112	n/a	n/a	n/a																																																															
1.5.5 Reinstatement & Ancillary Works	1.5.5	115	n/a	n/a	n/a																																																															
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																																																																				
2.1 Site Clearance & Mobilisation	2.1	114	n/a	n/a	n/a																																																															
2.2 Excavation & Temporary Works	2.2	114	n/a	n/a	n/a																																																															
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	113	n/a	n/a	n/a																																																															
2.4 Formwork Dismantling and Backfilling	2.4	114	n/a	n/a	n/a																																																															
3 River Improvement Works																																																																				
3.1 Improvement Works Along Tai Tei Tong River																																																																				
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls	3.1.1	114	n/a	n/a	n/a																																																															
3.1.2 River Reprofiling	3.1.2	114	n/a	n/a	n/a																																																															
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	116	n/a	n/a	n/a																																																															
3.1.4 Construction of Low Flow Device	3.1.4	117	n/a	n/a	n/a																																																															
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																																																																				
3.2.1 Reconstruction of gabion walls	3.2.1	114	85	-47	3								71	71	71	71	71	71																																																				
3.2.2 Construction of box culvert	3.2.2	115	91	-47	3														71	71	71	71																																															
3.2.3 Construction of mechanical penstocks	3.2.3	115	246	-56	3																																																															
4 Construction of Tidal Gate and Other Associated Works																																																																				
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	115	n/a	n/a	n/a																																																															
4.2 Concreting Works for Tidal Gate	4.2	114	n/a	n/a	n/a																																																															
4.3 Delivery and E&M Installations for Tidal Gate	4.3	109	n/a	n/a	n/a																																																															
5 River Revitalisation and Associated Works																																																																				
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel	5.1	115	219	-55	3														63	63	63	63	63	63	63	63																																														
5.2 Softscape and Hardscape Works	5.2	114	219	-55	3																						62	62	62	62	62	62																																				
Predicted Noise Level, Leq (30min.), dB(A)																																																																				
- Construction Activity within Work Area													71	71	71	71	71	71	71	71	71	71	63	63	63	63	62	62	62	62	62	62		60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	61	61	61	61		62	62	62									
Cumulative Noise Level, Leq (30mins), dB(A)													71	71	71	71	71	71	71	71	71	71	63	63	63	63	62	62	62	62	62	62		60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	61	61	61	61		62	62	62									

Note:
[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction
[2] n/a - not applicable
[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR: N14
Scenario: Unmitigated
Noise criterion, dB(A) 70

Exceedance

Construction Activity	Worksite	SWL, dB(A)	Dist, m	DC dB(A)	FC dB(A)	2025 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2026 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2027 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2028 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2029 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																																																																					
1.1 Construction Access across Pak Ngan Heung River																																																																					
1.1.1 Site Clearance & Mobilisation	1.1.1	114	203	-54	3								63																																																							
1.1.2 Construction of Cross Bridge	1.1.2	116	203	-54	3									65	65	65	65	65	65																																																		
1.2 Construction of Stormwater Pumping Station																																																																					
1.2.1 Site Clearance & Mobilisation	1.2.1	114	235	-55	3															62	62																																														
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	115	235	-55	3																63	63	63	63																																													
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	114	235	-55	3																				61	61	61	61																																											
1.2.4 Concreting Works for Wet Well	1.2.4	114	235	-55	3																								61	61																																				
1.2.5 Superstructure for Pumping Station	1.2.5	114	235	-55	3																										61	61	61	61	61	61	61	61	61	61																										
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	109	235	-55	3																																57	57	57	57	57	57	57	57	57																						
1.2.7 Reinstatement	1.2.7	114	235	-55	3																																											61	61																	
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																																																																					
1.3.1 Site Clearance & Mobilisation	1.3.1	115	83	-46	3																				72	72	72	72	72	72																																											
1.3.2 Excavation & Temporary Works	1.3.2	114	83	-46	3																										70	70	70	70	70	70																															
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	113	83	-46	3																																70	70	70	70	70	70																									
1.3.4 Formwork Dismantling and Backfilling	1.3.4	114	83	-46	3																																						71	71	71	71	71	71																			
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																																																																					
1.4.1 Pipe-laying Works	1.4.1	113	23	-35	3																													81	81	81	81	81	81	81	81	81	81	81	81	81	81																			
1.4.2 Backfilling and Reinstatement	1.4.2	114	23	-35	3																																												82	82	82	82															
1.5 Construction of Associated Drainage Works (River Crossing)																																																																					
1.5.1 Construction of Launching Pit	1.5.1	114	170	-53	3																			64	64																																										
1.5.2 Equipment Setup	1.5.2	114	170	-53	3																					64	64																																						
1.5.3 Trenchless Operation	1.5.3	114	170	-53	3																							64	64	64	64																																		
1.5.4 Construction of Manhole	1.5.4	112	170	-53	3																											62	62																																	
1.5.5 Reinstatement & Ancillary Works	1.5.5	115	170	-53	3																													65																																
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																																																																					
2.1 Site Clearance & Mobilisation	2.1	114	n/a	n/a	n/a																																																															
2.2 Excavation & Temporary Works	2.2	114	n/a	n/a	n/a																																																																
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	113	n/a	n/a	n/a																																																															
2.4 Formwork Dismantling and Backfilling	2.4	114	n/a	n/a	n/a																																																															
3 River Improvement Works																																																																									
3.1 Improvement Works Along Tai Tei Tong River																																																																									
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls	3.1.1	114	n/a	n/a	n/a																																																															
3.1.2 River Reprofiling	3.1.2	114	n/a	n/a	n/a																																																															
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	116	n/a	n/a	n/a																																																															
3.1.4 Construction of Low Flow Device	3.1.4	117	n/a	n/a	n/a																																																															
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																																																																									
3.2.1 Reconstruction of gabion walls	3.2.1	114	n/a	n/a	n/a																																																															
3.2.2 Construction of box culvert	3.2.2	115	n/a	n/a	n/a																																																															
3.2.3 Construction of mechanical penstocks	3.2.3	115	n/a	n/a	n/a																																																															
4 Construction of Tidal Gate and Other Associated Works																																																																									
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	115	103	-48	3																																			69	69	69	69	69																										
4.2 Concreting Works for Tidal Gate	4.2	114	103	-48	3																																							68	68	68	68	68	68	68	68	68	68															
4.3 Delivery and E&M Installations for Tidal Gate	4.3	109	103	-48	3																																																	64	64	64	64	64	64	64	64	64	64			
5 River Revitalisation and Associated Works																																																																								
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel	5.1	115	n/a	n/a	n/a																																																															
5.2 Softscape and Hardscape Works	5.2	114	n/a	n/a	n/a																																																															
Predicted Noise Level, Leq (30min.), dB(A)													63	65	65	65	65	65	65	62	65	63	63	66	73	73	73	73	73	73	72	71	71	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	82	82	82	82	68	64	64	64	64	64	64	64	64	64		
- Construction Activity within Work Area													63	65	65	65	65	65	65	62	65	63	63	66	73	73	73	73	73	73	72	71	71	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	82	82	82	82	68	64	64	64	64	64	64	64	64	64		
Cumulative Noise Level, Leq (30mins), dB(A)													63	65	65	65	65	65	65	62	65	63	63	66	73	73	73	73	73	73	72	71	71	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	82	82	82	82	68	64	64	64	64	64	64	64	64	64		

Note:
[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction
[2] n/a - not applicable
[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR: **N15**
Scenario: **Unmitigated**
Noise criterion, dB(A) **75**

Exceedance

Construction Activity	Worksite	SWL, dB(A)	Dist, m	DC dB(A)	FC dB(A)	2025 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2026 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2027 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2028 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2029 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																																																																				
1.1 Construction Access across Pak Ngan Heung River																																																																				
1.1.1 Site Clearance & Mobilisation	1.1.1	114	n/a	n/a	n/a																																																															
1.1.2 Construction of Cross Bridge	1.1.2	116	n/a	n/a	n/a																																																															
1.2 Construction of Stormwater Pumping Station																																																																				
1.2.1 Site Clearance & Mobilisation	1.2.1	114	n/a	n/a	n/a																																																															
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	115	n/a	n/a	n/a																																																															
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	114	n/a	n/a	n/a																																																															
1.2.4 Concreting Works for Wet Well	1.2.4	114	n/a	n/a	n/a																																																															
1.2.5 Superstructure for Pumping Station	1.2.5	114	n/a	n/a	n/a																																																															
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	109	n/a	n/a	n/a																																																															
1.2.7 Reinstatement	1.2.7	114	n/a	n/a	n/a																																																															
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																																																																					
1.3.1 Site Clearance & Mobilisation	1.3.1	115	n/a	n/a	n/a																																																															
1.3.2 Excavation & Temporary Works	1.3.2	114	n/a	n/a	n/a																																																															
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	113	n/a	n/a	n/a																																																															
1.3.4 Formwork Dismantling and Backfilling	1.3.4	114	n/a	n/a	n/a																																																															
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																																																																					
1.4.1 Pipe-laying Works	1.4.1	113	230	-55	3																												61	61	61	61	61	61	61	61	61	61	61	61	61	61																					
1.4.2 Backfilling and Reinstatement	1.4.2	114	230	-55	3																																											62	62	62	62															
1.5 Construction of Associated Drainage Works (River Crossing)																																																																					
1.5.1 Construction of Launching Pit	1.5.1	114	n/a	n/a	n/a																																																															
1.5.2 Equipment Setup	1.5.2	114	n/a	n/a	n/a																																																															
1.5.3 Trenchless Operation	1.5.3	114	n/a	n/a	n/a																																																															
1.5.4 Construction of Manhole	1.5.4	112	n/a	n/a	n/a																																																															
1.5.5 Reinstatement & Ancillary Works	1.5.5	115	n/a	n/a	n/a																																																															
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																																																																					
2.1 Site Clearance & Mobilisation	2.1	114	14	-31	3																				86	86	86	86																																										
2.2 Excavation & Temporary Works	2.2	114	14	-31	3																								86	86	86	86	86	86	86	86	86	86	86	86																											
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	113	14	-31	3																																			86	86	86	86	86	86	86	86	86	86	86																	
2.4 Formwork Dismantling and Backfilling	2.4	114	14	-31	3																																																														
3 River Improvement Works																																																																					
3.1 Improvement Works Along Tai Tei Tong River																																																																					
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls	3.1.1	114	25	-36	3										81	81	81	81	81	81	81	81	81	81	81	81																																													
3.1.2 River Reprofiling	3.1.2	114	140	-51	3																						66	66	66																																						
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	116	124	-50	3																										69	69	69	69	69	69	69			69	69																											
3.1.4 Construction of Low Flow Device	3.1.4	117	28	-37	3																																			83	83	83	83																											
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																																																																					
3.2.1 Reconstruction of gabion walls	3.2.1	114	156	-52	3								66	66	66	66	66	66																																																			
3.2.2 Construction of box culvert	3.2.2	115	n/a	n/a	n/a																																																															
3.2.3 Construction of mechanical penstocks	3.2.3	115	n/a	n/a	n/a																																																															
4 Construction of Tidal Gate and Other Associated Works																																																																					
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	115	n/a	n/a	n/a																																																															
4.2 Concreting Works for Tidal Gate	4.2	114	n/a	n/a	n/a																																																															
4.3 Delivery and E&M Installations for Tidal Gate	4.3	109	n/a	n/a	n/a																																																															
5 River Revitalisation and Associated Works																																																																					
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel	5.1	115	155	-52	3														66	66	66	66	66	66	66	66																																													
5.2 Softscape and Hardscape Works	5.2	114	155	-52	3																						65	65	65	65	65	65																																			
Predicted Noise Level, Leq (30min.), dB(A)													66	66	66	81	81	81	81	81	81	81	81	81	87	87	87	86	86	86	86	86	86	86	86	86	86	86	87	87	87	87	86	86	86	86	86	86	86	86	86	86	86	86	86	86							
- Construction Activity within Work Area													66	66	66	81	81	81	81	81	81	81	81	81	87	87	87	86	86	86	86	86	86	86	86	86	86	86	87	87	87	87	86	86	86	86	86	86	86	86	86	86	86	86	86	86							
Cumulative Noise Level, Leq (30mins), dB(A)													66	66	66	81	81	81	81	81	81	81	81	81	87	87	87	86	86	86	86	86	86	86	86	86	86	86	87	87	87	87	86	86	86	86	86	86	86	86	86	86	86	86	86	86							

Note:
[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction
[2] n/a - not applicable
[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR: N16
Scenario: Unmitigated
Noise criterion, dB(A) 75

Exceedance

Construction Activity	Worksite	SWL, dB(A)	Dist, m	DC dB(A)	FC dB(A)	2025 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2026 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2027 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2028 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2029 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																																																																					
1.1 Construction Access across Pak Ngan Heung River																																																																					
1.1.1 Site Clearance & Mobilisation	1.1.1	114	61	-44	3								73																																																							
1.1.2 Construction of Cross Bridge	1.1.2	116	61	-44	3									75	75	75	75	75	75																																																		
1.2 Construction of Stormwater Pumping Station																																																																					
1.2.1 Site Clearance & Mobilisation	1.2.1	114	28	-37	3															80	80																																														
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	115	28	-37	3																81	81	81	81																																													
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	114	28	-37	3																				80	80	80	80																																										
1.2.4 Concreting Works for Wet Well	1.2.4	114	28	-37	3																								80	80																																				
1.2.5 Superstructure for Pumping Station	1.2.5	114	28	-37	3																										80	80	80	80	80	80	80	80	80	80																										
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	109	28	-37	3																																75	75	75	75	75	75	75	75	75																						
1.2.7 Reinstatement	1.2.7	114	28	-37	3																																										80	80																		
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																																																																					
1.3.1 Site Clearance & Mobilisation	1.3.1	115	111	-49	3																				69	69	69	69	69	69																																									
1.3.2 Excavation & Temporary Works	1.3.2	114	111	-49	3																										68	68	68	68	68	68																															
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	113	111	-49	3																																68	68	68	68	68	68																									
1.3.4 Formwork Dismantling and Backfilling	1.3.4	114	111	-49	3																																						68	68	68	68	68	68																			
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																																																																					
1.4.1 Pipe-laying Works	1.4.1	113	19	-34	3																													82	82	82	82	82	82	82	82	82	82	82	82	82																					
1.4.2 Backfilling and Reinstatement	1.4.2	114	19	-34	3																																											84	84	84	84																
1.5 Construction of Associated Drainage Works (River Crossing)																																																																					
1.5.1 Construction of Launching Pit	1.5.1	114	18	-33	3																			84	84																																										
1.5.2 Equipment Setup	1.5.2	114	18	-33	3																					84	84																																							
1.5.3 Trenchless Operation	1.5.3	114	18	-33	3																							84	84	84	84																																		
1.5.4 Construction of Manhole	1.5.4	112	18	-33	3																											82	82																																	
1.5.5 Reinstatement & Ancillary Works	1.5.5	115	18	-33	3																													84																																
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																																																																					
2.1 Site Clearance & Mobilisation	2.1	114	n/a	n/a	n/a																																																															
2.2 Excavation & Temporary Works	2.2	114	n/a	n/a	n/a																																																																
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	113	n/a	n/a	n/a																																																															
2.4 Formwork Dismantling and Backfilling	2.4	114	n/a	n/a	n/a																																																															
3 River Improvement Works																																																																					
3.1 Improvement Works Along Tai Tei Tong River																																																																					
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls	3.1.1	114	5	-22	3											95	95	95	95	95	95	95	95	95	95	95	95																																												
3.1.2 River Reprofiling	3.1.2	114	n/a	n/a	n/a																																																															
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	116	152	-52	3																										67	67	67	67	67	67	67			67	67																									
3.1.4 Construction of Low Flow Device	3.1.4	117	n/a	n/a	n/a																																																														
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																																																																					
3.2.1 Reconstruction of gabion walls	3.2.1	114	n/a	n/a	n/a																																																														
3.2.2 Construction of box culvert	3.2.2	115	n/a	n/a	n/a																																																															
3.2.3 Construction of mechanical penstocks	3.2.3	115	214	-55	3																																																														63	63	63										
4 Construction of Tidal Gate and Other Associated Works																																																																					
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	115	261	-56	3																																			61	61	61	61	61																									
4.2 Concreting Works for Tidal Gate	4.2	114	261	-56	3																																							60	60	60	60	60	60	60	60	60															
4.3 Delivery and E&M Installations for Tidal Gate	4.3	109	261	-56	3																																																	56	56	56	56	56	56	56	56	56	56			
5 River Revitalisation and Associated Works																																																																					
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel	5.1	115	227	-55	3														63	63	63	63	63	63	63	63																																												
5.2 Softscape and Hardscape Works	5.2	114	227	-55	3																						62	62	62	62	62	62																																		
Predicted Noise Level, Leq (30min.), dB(A)													73	75	75	95	95	95	95	95	95	95	95	95	95	95	95	95	85	85	85	85	84	84	87	84	84	85	85	85	85	83	83	83	83	83	83	83	84	85	84	84	84	60	64	64	64	56	56	56	56	56	56		
- Construction Activity within Work Area													73	75	75	95	95	95	95	95	95	95	95	95	95	95	95	95	85	85	85	85	84	84	87	84	84	85	85	85	85	83	83	83	83	83	83	83	84	85	84	84	84	60	64	64	64	56	56	56	56	56	56		
Cumulative Noise Level, Leq (30mins), dB(A)													73	75	75	95	95	95	95	95	95	95	95	95	95	95	95	95	85	85	85	85	84	84	87	84	84	85	85	85	85	83	83	83	83	83	83	83	84	85	84	84	84	60	64	64	64	56	56	56	56	56	56		

Note:
[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction
[2] n/a - not applicable
[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR: N17
Scenario: Unmitigated
Noise criterion, dB(A) 75

Exceedance

Construction Activity	Worksite	SWL, dB(A)	Dist, m	DC dB(A)	FC dB(A)	2025 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2026 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																													
1.1 Construction Access across Pak Ngan Heung River																													
1.1.1 Site Clearance & Mobilisation	1.1.1	114	179	-53	3								64																
1.1.2 Construction of Cross Bridge	1.1.2	116	179	-53	3									66	66	66	66	66	66										
1.2 Construction of Stormwater Pumping Station																													
1.2.1 Site Clearance & Mobilisation	1.2.1	114	127	-50	3															67	67								
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	115	127	-50	3																68	68	68	68					
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	114	127	-50	3																				67	67	67	67	
1.2.4 Concreting Works for Wet Well	1.2.4	114	127	-50	3																								67
1.2.5 Superstructure for Pumping Station	1.2.5	114	127	-50	3																								
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	109	127	-50	3																								
1.2.7 Reinstatement	1.2.7	114	127	-50	3																								
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																													
1.3.1 Site Clearance & Mobilisation	1.3.1	115	227	-55	3																				63	63	63	63	63
1.3.2 Excavation & Temporary Works	1.3.2	114	227	-55	3																								
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	113	227	-55	3																								
1.3.4 Formwork Dismantling and Backfilling	1.3.4	114	227	-55	3																								
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																													
1.4.1 Pipe-laying Works	1.4.1	113	16	-32	3																								
1.4.2 Backfilling and Reinstatement	1.4.2	114	16	-32	3																								
1.5 Construction of Associated Drainage Works (River Crossing)																													
1.5.1 Construction of Launching Pit	1.5.1	114	141	-51	3																		66	66					
1.5.2 Equipment Setup	1.5.2	114	141	-51	3																					66	66		
1.5.3 Trenchless Operation	1.5.3	114	141	-51	3																							66	66
1.5.4 Construction of Manhole	1.5.4	112	141	-51	3																								
1.5.5 Reinstatement & Ancillary Works	1.5.5	115	141	-51	3																								
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																													
2.1 Site Clearance & Mobilisation	2.1	114	209	-54	3																				63	63	63	63	
2.2 Excavation & Temporary Works	2.2	114	209	-54	3																								62
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	113	209	-54	3																								
2.4 Formwork Dismantling and Backfilling	2.4	114	209	-54	3																								
3 River Improvement Works																													
3.1 Improvement Works Along Tai Tei Tong River																													
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls	3.1.1	114	9	-27	3											90	90	90	90	90	90	90	90	90	90	90	90		
3.1.2 River Reprofiling	3.1.2	114	n/a	n/a	n/a																								
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	116	32	-38	3																								
3.1.4 Construction of Low Flow Device	3.1.4	117	209	-54	3																								
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																													
3.2.1 Reconstruction of gabion walls	3.2.1	114	233	-55	3								62	62	62	62	62	62											
3.2.2 Construction of box culvert	3.2.2	115	n/a	n/a	n/a																								
3.2.3 Construction of mechanical penstocks	3.2.3	115	190	-54	3																								
4 Construction of Tidal Gate and Other Associated Works																													
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	115	n/a	n/a	n/a																								
4.2 Concreting Works for Tidal Gate	4.2	114	n/a	n/a	n/a																								
4.3 Delivery and E&M Installations for Tidal Gate	4.3	109	n/a	n/a	n/a																								
5 River Revitalisation and Associated Works																													
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel	5.1	115	146	-51	3														67	67	67	67	67	67	67	67			
5.2 Softscape and Hardscape Works	5.2	114	146	-51	3																						66	66	66
Predicted Noise Level, Leq (30min.), dB(A)																													
- Construction Activity within Work Area													66	67	67	90	90	90	90	90	90	90	90	90	90	90	90	72	72
Cumulative Noise Level, Leq (30mins), dB(A)													66	67	67	90	90	90	90	90	90	90	90	90	90	90	90	72	72

Construction Activity	2027 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2028 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2029 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																																				
1.1 Construction Access across Pak Ngan Heung River																																				
1.1.1 Site Clearance & Mobilisation																																				
1.1.2 Construction of Cross Bridge																																				
1.2 Construction of Stormwater Pumping Station																																				
1.2.1 Site Clearance & Mobilisation																																				
1.2.2 Excavation for Stormwater Pumping Station																																				
1.2.3 Piling Works for Wet Well and Pumping Station																																				
1.2.4 Concreting Works for Wet Well	67																																			
1.2.5 Superstructure for Pumping Station		67	67	67	67	67	67	67	67	67	67																									
1.2.6 E&M Installations and Testing for Pumping Station								62	62	62	62	62	62	62	62	62																				
1.2.7 Reinstatement																			67	67																
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																																				
1.3.1 Site Clearance & Mobilisation	63																																			
1.3.2 Excavation & Temporary Works		62	62	62	62	62	62																													
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting								61	61	61	61	61	61																							
1.3.4 Formwork Dismantling and Backfilling														62	62	62	62	62	62																	
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																																				
1.4.1 Pipe-laying Works					84	84	84	84	84	84	84	84	84	84	84	84	84	84	84																	
1.4.2 Backfilling and Reinstatement																				85	85	85	85													
1.5 Construction of Associated Drainage Works (River Crossing)																																				
1.5.1 Construction of Launching Pit																																				
1.5.2 Equipment Setup																																				
1.5.3 Trenchless Operation	66	66																																		
1.5.4 Construction of Manhole			64	64																																
1.5.5 Reinstatement & Ancillary Works					67																															
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																																				
2.1 Site Clearance & Mobilisation																																				
2.2 Excavation & Temporary Works	62	62	62	62	62	62	62	62	62	62																										
2.3 Formwork Erection, Reinforcement Fixing and Concreting											62	62	62	62	62	62	62	62	62	62	62	62														
2.4 Formwork Dismantling and Backfilling																								63	63	63	63	63	63							
3 River Improvement Works																																				
3.1 Improvement Works Along Tai Tei Tong River																																				
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls																																				
3.1.2 River Reprofiling																																				
3.1.3 Modification of Agricultural Weir & Fish Ladder		81	81	81	81	81	81	81			81	81																								
3.1.4 Construction of Low Flow Device												65	65	65	65																					
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																																				
3.2.1 Reconstruction of gabion walls																																				
3.2.2 Construction of box culvert																																				
3.2.3 Construction of mechanical penstocks																									64	64	64									
4 Construction of Tidal Gate and Other Associated Works																																				
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows																																				
4.2 Concreting Works for Tidal Gate																																				
4.3 Delivery and E&M Installations for Tidal Gate																																				
5 River Revitalisation and Associated Works																																				
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel																																				
5.2 Softscape and Hardscape Works																																				
Predicted Noise Level, Leq (30min.), dB(A)																																				
- Construction Activity within Work Area	72	81	81	81	86	86	86	86	84	84	86	86	84	84	84	84	84	84	84	85	85	85	85	63	67	67	67	63	63							
Cumulative Noise Level, Leq (30mins), dB(A)	72	81	81	81	86	86	86	86	84	84	86	86	84	84	84	84	84	84	84	85	85	85	85	63	67	67	67	63	63							

Note:
[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction
[2] n/a - not applicable
[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR: N18
Scenario: Unmitigated
Noise criterion, dB(A) 75

Exceedance

	Worksite	SWL,	Dist,	DC	FC	2025												2026												2027											
Construction Activity		dB(A)	m	dB(A)	dB(A)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																																									
1.1 Construction Access across Pak Ngan Heung River																																									
1.1.1 Site Clearance & Mobilisation	1.1.1	114	n/a	n/a	n/a																																				
1.1.2 Construction of Cross Bridge	1.1.2	116	n/a	n/a	n/a																																				
1.2 Construction of Stormwater Pumping Station																																									
1.2.1 Site Clearance & Mobilisation	1.2.1	114	n/a	n/a	n/a																																				
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	115	n/a	n/a	n/a																																				
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	114	n/a	n/a	n/a																																				
1.2.4 Concreting Works for Wet Well	1.2.4	114	n/a	n/a	n/a																																				
1.2.5 Superstructure for Pumping Station	1.2.5	114	n/a	n/a	n/a																																				
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	109	n/a	n/a	n/a																																				
1.2.7 Reinstatement	1.2.7	114	n/a	n/a	n/a																																				
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																																									
1.3.1 Site Clearance & Mobilisation	1.3.1	115	n/a	n/a	n/a																																				
1.3.2 Excavation & Temporary Works	1.3.2	114	n/a	n/a	n/a																																				
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	113	n/a	n/a	n/a																																				
1.3.4 Formwork Dismantling and Backfilling	1.3.4	114	n/a	n/a	n/a																																				
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																																									
1.4.1 Pipe-laying Works	1.4.1	113	194	-54	3																												62	62	62	62	62	62	62	62
1.4.2 Backfilling and Reinstatement	1.4.2	114	194	-54	3																																				
1.5 Construction of Associated Drainage Works (River Crossing)																																									
1.5.1 Construction of Launching Pit	1.5.1	114	n/a	n/a	n/a																																				
1.5.2 Equipment Setup	1.5.2	114	n/a	n/a	n/a																																				
1.5.3 Trenchless Operation	1.5.3	114	n/a	n/a	n/a																																				
1.5.4 Construction of Manhole	1.5.4	112	n/a	n/a	n/a																																				
1.5.5 Reinstatement & Ancillary Works	1.5.5	115	n/a	n/a	n/a																																				
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																																									
2.1 Site Clearance & Mobilisation	2.1	114	n/a	n/a	n/a																																				
2.2 Excavation & Temporary Works	2.2	114	n/a	n/a	n/a																																				
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	113	n/a	n/a	n/a																																				
2.4 Formwork Dismantling and Backfilling	2.4	114	n/a	n/a	n/a																																				
3 River Improvement Works																																									
3.1 Improvement Works Along Tai Tei Tong River																																									
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls	3.1.1	114	n/a	n/a	n/a																																				
3.1.2 River Reprofiling	3.1.2	114	n/a	n/a	n/a																																				
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	116	n/a	n/a	n/a																																				
3.1.4 Construction of Low Flow Device	3.1.4	117	n/a	n/a	n/a																																				
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																																									
3.2.1 Reconstruction of gabion walls	3.2.1	114	61	-44	3								74	74	74	74	74	74																							
3.2.2 Construction of box culvert	3.2.2	115	99	-48	3														70	70	70	70																			
3.2.3 Construction of mechanical penstocks	3.2.3	115	190	-54	3																																				
4 Construction of Tidal Gate and Other Associated Works																																									
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	115	n/a	n/a	n/a																																				
4.2 Concreting Works for Tidal Gate	4.2	114	n/a	n/a	n/a																																				
4.3 Delivery and E&M Installations for Tidal Gate	4.3	109	n/a	n/a	n/a																																				
5 River Revitalisation and Associated Works																																									
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel	5.1	115	163	-52	3														66	66	66	66	66	66	66	66															
5.2 Softscape and Hardscape Works	5.2	114	163	-52	3																						65	65	65	65	65	65									
Predicted Noise Level, Leq (30min.), dB(A)													74	74	74	74	74	74	71	71	71	71	66	66	66	66	65	65	65	65	65	65		62	62	62	62	62	62	62	62
- Construction Activity within Work Area													74	74	74	74	74	74	71	71	71	71	66	66	66	66	65	65	65	65	65	65		62	62	62	62	62	62	62	62
Cumulative Noise Level, Leq (30mins), dB(A)													74	74	74	74	74	74	71	71	71	71	66	66	66	66	65	65	65	65	65	65		62	62	62	62	62	62	62	62

	2028												2029											
Construction Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																								
1.1 Construction Access across Pak Ngan Heung River																								
1.1.1 Site Clearance & Mobilisation																								
1.1.2 Construction of Cross Bridge																								
1.2 Construction of Stormwater Pumping Station																								
1.2.1 Site Clearance & Mobilisation																								
1.2.2 Excavation for Stormwater Pumping Station																								
1.2.3 Piling Works for Wet Well and Pumping Station																								
1.2.4 Concreting Works for Wet Well																								
1.2.5 Superstructure for Pumping Station																								
1.2.6 E&M Installations and Testing for Pumping Station																								
1.2.7 Reinstatement																								
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																								
1.3.1 Site Clearance & Mobilisation																								
1.3.2 Excavation & Temporary Works																								
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting																								
1.3.4 Formwork Dismantling and Backfilling																								
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																								
1.4.1 Pipe-laying Works	62	62	62	62	62	62	62																	
1.4.2 Backfilling and Reinstatement								63	63	63	63													
1.5 Construction of Associated Drainage Works (River Crossing)																								
1.5.1 Construction of Launching Pit																								
1.5.2 Equipment Setup																								
1.5.3 Trenchless Operation																								
1.5.4 Construction of Manhole																								
1.5.5 Reinstatement & Ancillary Works																								
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																								
2.1 Site Clearance & Mobilisation																								
2.2 Excavation & Temporary Works																								
2.3 Formwork Erection, Reinforcement Fixing and Concreting																								
2.4 Formwork Dismantling and Backfilling																								
3 River Improvement Works																								
3.1 Improvement Works Along Tai Tei Tong River																								
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls																								
3.1.2 River Reprofiling																								
3.1.3 Modification of Agricultural Weir & Fish Ladder																								
3.1.4 Construction of Low Flow Device																								
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																								
3.2.1 Reconstruction of gabion walls																								
3.2.2 Construction of box culvert																								
3.2.3 Construction of mechanical penstocks													64	64	64									
4 Construction of Tidal Gate and Other Associated Works																								
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows																								
4.2 Concreting Works for Tidal Gate																								
4.3 Delivery and E&M Installations for Tidal Gate																								
5 River Revitalisation and Associated Works																								
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel																								
5.2 Softscape and Hardscape Works																								
Predicted Noise Level, Leq (30min.), dB(A)	62	62	62	62	62	62	62	63	63	63	63		64	64	64									
- Construction Activity within Work Area	62	62	62	62	62	62	62	63	63	63	63		64	64	64									
Cumulative Noise Level, Leq (30mins), dB(A)	62	62	62	62	62	62	62	63	63	63	63		64	64	64									

Note:
[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction
[2] n/a - not applicable
[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR: N19
Scenario: Unmitigated
Noise criterion, dB(A) 75

Exceedance

Construction Activity	Worksite	SWL, dB(A)	Dist, m	DC dB(A)	FC dB(A)	2025 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2026 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2027 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2028 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2029 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 Construction of Stormwater Pumping Station and Associated Drains																																																																				
1.1 Construction Access across Pak Ngan Heung River																																																																				
1.1.1 Site Clearance & Mobilisation	1.1.1	114	n/a	n/a	n/a																																																															
1.1.2 Construction of Cross Bridge	1.1.2	116	n/a	n/a	n/a																																																															
1.2 Construction of Stormwater Pumping Station																																																																				
1.2.1 Site Clearance & Mobilisation	1.2.1	114	n/a	n/a	n/a																																																															
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	115	n/a	n/a	n/a																																																															
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	114	n/a	n/a	n/a																																																															
1.2.4 Concreting Works for Wet Well	1.2.4	114	n/a	n/a	n/a																																																															
1.2.5 Superstructure for Pumping Station	1.2.5	114	n/a	n/a	n/a																																																															
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	109	n/a	n/a	n/a																																																															
1.2.7 Reinstatement	1.2.7	114	n/a	n/a	n/a																																																															
1.3 Construction of Associated Drainage Works (Outlet Channel to River Silver)																																																																				
1.3.1 Site Clearance & Mobilisation	1.3.1	115	n/a	n/a	n/a																																																															
1.3.2 Excavation & Temporary Works	1.3.2	114	n/a	n/a	n/a																																																															
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	113	n/a	n/a	n/a																																																															
1.3.4 Formwork Dismantling and Backfilling	1.3.4	114	n/a	n/a	n/a																																																															
1.4 Construction of Associated Drainage Works (Ling Tsui Tau, Nam Bin Wai and Ma Po Tsuen)																																																																				
1.4.1 Pipe-laying Works	1.4.1	113	285	-57	3																													59	59	59	59	59	59	59	59	59	59	59	59	59	59	59																	
1.4.2 Backfilling and Reinstatement	1.4.2	114	285	-57	3																																											60	60	60	60														
1.5 Construction of Associated Drainage Works (River Crossing)																																																																				
1.5.1 Construction of Launching Pit	1.5.1	114	n/a	n/a	n/a																																																															
1.5.2 Equipment Setup	1.5.2	114	n/a	n/a	n/a																																																															
1.5.3 Trenchless Operation	1.5.3	114	n/a	n/a	n/a																																																															
1.5.4 Construction of Manhole	1.5.4	112	n/a	n/a	n/a																																																															
1.5.5 Reinstatement & Ancillary Works	1.5.5	115	n/a	n/a	n/a																																																															
2 Construction Diversion Box Culvert (From Tai Tei Tong River to Luk Tei Tong Bypass Channel)																																																																				
2.1 Site Clearance & Mobilisation	2.1	114	n/a	n/a	n/a																																																															
2.2 Excavation & Temporary Works	2.2	114	n/a	n/a	n/a																																																															
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	113	n/a	n/a	n/a																																																															
2.4 Formwork Dismantling and Backfilling	2.4	114	n/a	n/a	n/a																																																															
3 River Improvement Works																																																																				
3.1 Improvement Works Along Tai Tei Tong River																																																																				
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls	3.1.1	114	n/a	n/a	n/a																																																															
3.1.2 River Reprofiling	3.1.2	114	n/a	n/a	n/a																																																															
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	116	n/a	n/a	n/a																																																															
3.1.4 Construction of Low Flow Device	3.1.4	117	n/a	n/a	n/a																																																															
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River																																																																				
3.2.1 Reconstruction of gabion walls	3.2.1	114	20	-34	3								83	83	83	83	83	83																																																			
3.2.2 Construction of box culvert	3.2.2	115	20	-34	3														84	84	84	84																																														
3.2.3 Construction of mechanical penstocks	3.2.3	115	280	-57	3																																																														
4 Construction of Tidal Gate and Other Associated Works																																																																				
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	115	n/a	n/a	n/a																																																														
4.2 Concreting Works for Tidal Gate	4.2	114	n/a	n/a	n/a																																																														
4.3 Delivery and E&M Installations for Tidal Gate	4.3	109	n/a	n/a	n/a																																																														
5 River Revitalisation and Associated Works																																																																				
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel	5.1	115	256	-56	3														62	62	62	62	62	62	62	62																																													
5.2 Softscape and Hardscape Works	5.2	114	256	-56	3																						61	61	61	61	61	61																																				
Predicted Noise Level, Leq (30min.), dB(A)																																																																				
- Construction Activity within Work Area													83	83	83	83	83	83	84	84	84	84	62	62	62	62	61	61	61	61	61	61		59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	60	60	60	60		61	61	61									
Cumulative Noise Level, Leq (30mins), dB(A)													83	83	83	83	83	83	84	84	84	84	62	62	62	62	61	61	61	61	61	61		59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	60	60	60	60		61	61	61									

Note:
[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction
[2] n/a - not applicable
[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction