

NSR: Scenario: Noise criterion, dB(A)	N1					Exceedance			
	Mitigated								
	75								
Worksite	SWL	Dist.	DC	FC	2025	2026	2027	2028	2029
	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				
Construction Activity									
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	102	n/a	n/a					
1.1.2 Construction of Cross Bridge	1.1.2	103	n/a	n/a					
1.2 Construction of Stormwater Pumping Station									
1.2.1 Site Clearance & Mobilisation	1.2.1	101	n/a	n/a					
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	101	n/a	n/a					
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	103	n/a	n/a					
1.2.4 Concreting Works for Wet Well	1.2.4	104	n/a	n/a					
1.2.5 Superstructure for Pumping Station	1.2.5	104	n/a	n/a					
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	89	n/a	n/a					
1.2.7 Reinstatement	1.2.7	104	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	104	n/a	n/a					
1.3.2 Excavation & Temporary Works	1.3.2	100	n/a	n/a					
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	103	n/a	n/a					
1.3.4 Formwork Dismantling and Backfilling	1.3.4	98	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	88	242	-56	3				
1.4.2 Backfilling and Reinstatement	1.4.2	89	242	-56	3				
1.5 Construction of Associated Drainage Works (River Crossing)									
1.5.1 Construction of Launching Pit	1.5.1	96	n/a	n/a	n/a				
1.5.2 Equipment Setup	1.5.2	100	n/a	n/a	n/a				
1.5.3 Trenchless Operation	1.5.3	101	n/a	n/a	n/a				
1.5.4 Construction of Manhole	1.5.4	102	n/a	n/a	n/a				
1.5.5 Reinstatement & Ancillary Works	1.5.5	101	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	102	80	-46	3				
2.2 Excavation & Temporary Works	2.2	103	80	-46	3	59	59	59	59
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	102	80	-46	3	60	60	60	60
2.4 Formwork Dismantling and Backfilling	2.4	101	80	-46	3	60	60	60	60
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	86	22	-35	3	55	55	55	55
3.1.2 River Reprofiling	3.1.2	97	107	-49	3	55	55	55	55
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	104	98	-48	3	55	55	55	55
3.1.4 Construction of Low Flow Device	3.1.4	104	74	-45	3	55	55	55	55
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	102	232	-55	3	50	50	50	50
3.2.2 Construction of box culvert	3.2.2	103	n/a	n/a	n/a	50	50	50	50
3.2.3 Construction of mechanical penstocks	3.2.3	101	n/a	n/a	n/a	50	50	50	50
4 Construction of Tidal Gate and Other Associated Works									
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	98	n/a	n/a	n/a				
4.2 Concreting Works for Tidal Gate	4.2	103	n/a	n/a	n/a				
4.3 Delivery and E&M Installations for Tidal Gate	4.3	85	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	98	225	-55	3	46	46	46	46
5.2 Softscape and Hardscape Works	5.2	90	225	-55	3	46	46	46	46
Predicted Noise Level, Leq (30min.), dB(A)									
- Construction Activity within Work Area						50	50	50	50
Cumulative Noise Level, Leq (30mins), dB(A)						50	50	50	50

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:
Scenario:
Noise criterion, dB(A)

No

[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction

[1] Abbreviation: GWE
[2] n/a - not applicable

[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR:
Scenario:
Noise criterion, dB(A)

No

[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

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NSR:
Scenario:
Noise criterion, dB(A)

No

[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: Scenario: Noise criterion, dB(A)	N5					Exceedance				
	Mitigated	75								
	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	102	n/a	n/a	n/a					
1.1.2 Construction of Cross Bridge	1.1.2	103	n/a	n/a	n/a					
1.2 Construction of Stormwater Pumping Station										
1.2.1 Site Clearance & Mobilisation	1.2.1	101	n/a	n/a	n/a					
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	101	n/a	n/a	n/a					
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	103	n/a	n/a	n/a					
1.2.4 Concreting Works for Wet Well	1.2.4	104	n/a	n/a	n/a					
1.2.5 Superstructure for Pumping Station	1.2.5	104	n/a	n/a	n/a					
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	89	n/a	n/a	n/a					
1.2.7 Reinstatement	1.2.7	104	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	104	n/a	n/a	n/a					
1.3.2 Excavation & Temporary Works	1.3.2	100	n/a	n/a	n/a					
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	103	n/a	n/a	n/a					
1.3.4 Formwork Dismantling and Backfilling	1.3.4	98	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	88	n/a	n/a	n/a					
1.4.2 Backfilling and Reinstatement	1.4.2	89	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	96	n/a	n/a	n/a					
1.5.2 Equipment Setup	1.5.2	100	n/a	n/a	n/a					
1.5.3 Trenchless Operation	1.5.3	101	n/a	n/a	n/a					
1.5.4 Construction of Manhole	1.5.4	102	n/a	n/a	n/a					
1.5.5 Reinstatement & Ancillary Works	1.5.5	101	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	102	217	-55	3		51	51	51	51
2.2 Excavation & Temporary Works	2.2	103	217	-55	3		51	51	51	51
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	102	217	-55	3		51	51	51	51
2.4 Formwork Dismantling and Backfilling	2.4	101	217	-55	3		51	51	51	51
3 River Improvement Works							50	50	50	50
3.1 Improvement Works Along Tai Tei Tong River							50	50	50	50
3.1.1 Construction of Flood Walls and Reconstruction of Gabion Walls	3.1.1	86	103	-48	3	41	41	41	41	41
3.1.2 River Reprofiling	3.1.2	97	39	-40	3	41	41	41	41	41
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	104	79	-46	3	61	61	61	61	61
3.1.4 Construction of Low Flow Device	3.1.4	104	222	-55	3	61	61	61	61	61
3.2 Improvement Works Along Luk Tei Tong Bypass Channel and Luk Tei Tong River							61	61	61	61
3.2.1 Reconstruction of gabion walls	3.2.1	102	n/a	n/a	n/a		61	61	61	61
3.2.2 Construction of box culvert	3.2.2	103	n/a	n/a	n/a		61	61	61	61
3.2.3 Construction of mechanical penstocks	3.2.3	101	n/a	n/a	n/a		61	61	61	61
4 Construction of Tidal Gate and Other Associated Works							52	52	52	52
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	98	n/a	n/a	n/a					
4.2 Concreting Works for Tidal Gate	4.2	103	n/a	n/a	n/a					
4.3 Delivery and E&M Installations for Tidal Gate	4.3	85	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	98	n/a	n/a	n/a					
5.2 Softscape and Hardscape Works	5.2	90	n/a	n/a	n/a					

Predicted Noise Level, Leq (30min.), dB(A)

- Construction Activity within Work Area

Cumulative Noise Level, Leq (30mins), dB(A)

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:
Scenario:
Noise criterion, dB(A)

No

[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:
Scenario:
Noise criterion, dB(A)

No

[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:
Scenario:
Noise criterion, dB(A)

No

[1] Abbreviation: SWL - Sound Power Level; Dist - Horizontal distance from notion source of worksite to NSR; DC - Distance correction; FC - Facade correction

[1] Abbreviation: GWE
[2] n/a - not applicable

[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR:
Scenario:
Noise criterion, dB(A)

No

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[1] Abbreviation: GWE
[2] n/a - not applicable

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NSR:
Scenario:
Noise criterion, dB(A)

No

[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

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NSR: Scenario: Noise criterion, dB(A)	N11					Exceedance				
	Mitigated	70								
	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	102	n/a	n/a	n/a					
1.1.2 Construction of Cross Bridge	1.1.2	103	n/a	n/a	n/a					
1.2 Construction of Stormwater Pumping Station										
1.2.1 Site Clearance & Mobilisation	1.2.1	101	n/a	n/a	n/a					
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	101	n/a	n/a	n/a					
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	103	n/a	n/a	n/a					
1.2.4 Concreting Works for Wet Well	1.2.4	104	n/a	n/a	n/a					
1.2.5 Superstructure for Pumping Station	1.2.5	104	n/a	n/a	n/a					
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	89	n/a	n/a	n/a					
1.2.7 Reinstatement	1.2.7	104	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	104	n/a	n/a	n/a					
1.3.2 Excavation & Temporary Works	1.3.2	100	n/a	n/a	n/a					
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	103	n/a	n/a	n/a					
1.3.4 Formwork Dismantling and Backfilling	1.3.4	96	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	88	289	-57	3			34 34 34 34 34 34 34 34 34 34 34 34	35 35 35 35	
1.4.2 Backfilling and Reinstatement	1.4.2	89	289	-57	3					
1.5 Construction of Associated Drainage Works (River Crossing)										
1.5.1 Construction of Launching Pit	1.5.1	96	n/a	n/a	n/a					
1.5.2 Equipment Setup	1.5.2	100	n/a	n/a	n/a					
1.5.3 Trenchless Operation	1.5.3	101	n/a	n/a	n/a					
1.5.4 Construction of Manhole	1.5.4	102	n/a	n/a	n/a					
1.5.5 Reinstatement & Ancillary Works	1.5.5	101	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	102	90	-47	3		58 58 58 58	59 59 59 59 59 59 59 59 59 59	58 58 58 58 58 58 58 58 58 58	57 57 57 57 57 57 57
2.2 Excavation & Temporary Works	2.2	103	90	-47	3					
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	102	90	-47	3					
2.4 Formwork Dismantling and Backfilling	2.4	101	90	-47	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	86	7	-25	3		65 65 65 65 65 65 65 65 65 65 65	58 58 58	65 65 65 65 65 65 65 65	65 65
3.1.2 River Reprofiling	3.1.2	97	51	-42	3					
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	104	49	-42	3					
3.1.4 Construction of Low Flow Device	3.1.4	104	98	-48	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	102	233	-55	3	50 50 50 50 50 50 50				
3.2.2 Construction of box culvert	3.2.2	103	n/a	n/a	n/a					
3.2.3 Construction of mechanical penstocks	3.2.3	101	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	98	n/a	n/a	n/a					
4.2 Concreting Works for Tidal Gate	4.2	103	n/a	n/a	n/a					
4.3 Delivery and E&M Installations for Tidal Gate	4.3	85	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	98	231	-55	3		46 46 46 46 46 46 46 46	38 38 38 38 38 38	59 59 59 59 59 59 59 59	61 61 61 61 61 61 61 61
5.2 Softscape and Hardscape Works	5.2	90	231	-55	3					

Predicted Noise Level, Leq (30min.), dB(A)											
- Construction Activity within Work Area											
Cumulative Noise Level, Leq (30mins), dB(A)											

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

[4] Underlined values indicate exceedance of EIAO-TM noise criteria of 65 dB(A) for educational institution during examination period.

NSR:
Scenario:
Noise criterion, dB(A)

Not

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[2] n/a - not applicable

[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

[#]To minimise the construction noise impact on N11, the use of concrete lorry mixer for modification of agricultur

NSR:
Scenario:
Noise criterion, dB(A)

No

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[2] n/a - not applicable

[3] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

NSR: Scenario: Noise criterion, dB(A)	N13					Exceedance				
	Mitigated	70								
	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	102	n/a	n/a	n/a					
1.1.2 Construction of Cross Bridge	1.1.2	103	n/a	n/a	n/a					
1.2 Construction of Stormwater Pumping Station										
1.2.1 Site Clearance & Mobilisation	1.2.1	101	n/a	n/a	n/a					
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	101	n/a	n/a	n/a					
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	103	n/a	n/a	n/a					
1.2.4 Concreting Works for Wet Well	1.2.4	104	n/a	n/a	n/a					
1.2.5 Superstructure for Pumping Station	1.2.5	104	n/a	n/a	n/a					
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	89	n/a	n/a	n/a					
1.2.7 Reinstatement	1.2.7	104	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	104	n/a	n/a	n/a					
1.3.2 Excavation & Temporary Works	1.3.2	100	n/a	n/a	n/a					
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	103	n/a	n/a	n/a					
1.3.4 Formwork Dismantling and Backfilling	1.3.4	98	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	88	249	-56	3					
1.4.2 Backfilling and Reinstatement	1.4.2	89	249	-56	3					
1.5 Construction of Associated Drainage Works (River Crossing)										
1.5.1 Construction of Launching Pit	1.5.1	96	n/a	n/a	n/a					
1.5.2 Equipment Setup	1.5.2	100	n/a	n/a	n/a					
1.5.3 Trenchless Operation	1.5.3	101	n/a	n/a	n/a					
1.5.4 Construction of Manhole	1.5.4	102	n/a	n/a	n/a					
1.5.5 Reinstatement & Ancillary Works	1.5.5	101	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	102	n/a	n/a	n/a					
2.2 Excavation & Temporary Works	2.2	103	n/a	n/a	n/a					
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	102	n/a	n/a	n/a					
2.4 Formwork Dismantling and Backfilling	2.4	101	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	86	n/a	n/a	n/a					
3.1.2 River Reprofiling	3.1.2	97	n/a	n/a	n/a					
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	104	n/a	n/a	n/a					
3.1.4 Construction of Low Flow Device	3.1.4	104	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	102	85	-47	3	59	59	59	59	59
3.2.2 Construction of box culvert	3.2.2	103	91	-47	3	59	59	59	59	59
3.2.3 Construction of mechanical penstocks	3.2.3	101	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	98	n/a	n/a	n/a					
4.2 Concreting Works for Tidal Gate	4.2	103	n/a	n/a	n/a					
4.3 Delivery and E&M Installations for Tidal Gate	4.3	85	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	98	219	-55	3	46	46	46	46	46
5.2 Softscape and Hardscape Works	5.2	90	219	-55	3	38	38	38	38	38

Predicted Noise Level, Leq (30min.), dB(A)

- Construction Activity within Work Area

Cumulative Noise Level, Leq (30mins), dB(A)

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:
Scenario:
Noise criterion, dB(A)

No

[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: Scenario: Noise criterion, dB(A)	N15					Exceedance			
	Mitigated								
	75								
Worksite	SWL	Dist.	DC	FC	2025	2026	2027	2028	2029
	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				
Construction Activity									
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	102	n/a	n/a					
1.1.2 Construction of Cross Bridge	1.1.2	103	n/a	n/a					
1.2 Construction of Stormwater Pumping Station									
1.2.1 Site Clearance & Mobilisation	1.2.1	101	n/a	n/a					
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	101	n/a	n/a					
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	103	n/a	n/a					
1.2.4 Concreting Works for Wet Well	1.2.4	104	n/a	n/a					
1.2.5 Superstructure for Pumping Station	1.2.5	104	n/a	n/a					
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	89	n/a	n/a					
1.2.7 Reinstatement	1.2.7	104	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	104	n/a	n/a					
1.3.2 Excavation & Temporary Works	1.3.2	100	n/a	n/a					
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	103	n/a	n/a					
1.3.4 Formwork Dismantling and Backfilling	1.3.4	98	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	88	230	-55	3				
1.4.2 Backfilling and Reinstatement	1.4.2	89	230	-55	3				
1.5 Construction of Associated Drainage Works (River Crossing)									
1.5.1 Construction of Launching Pit	1.5.1	96	n/a	n/a					
1.5.2 Equipment Setup	1.5.2	100	n/a	n/a					
1.5.3 Trenchless Operation	1.5.3	101	n/a	n/a					
1.5.4 Construction of Manhole	1.5.4	102	n/a	n/a					
1.5.5 Reinstatement & Ancillary Works	1.5.5	101	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	102	14	-31	3				
2.2 Excavation & Temporary Works	2.2	103	14	-31	3				
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	102	14	-31	3				
2.4 Formwork Dismantling and Backfilling	2.4	101	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	86	25	-36	3				
3.1.2 River Reprofiling	3.1.2	97	140	-51	3				
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	104	124	-50	3				
3.1.4 Construction of Low Flow Device	3.1.4	104	28	-37	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	102	156	-52	3				
3.2.2 Construction of box culvert	3.2.2	103	n/a	n/a					
3.2.3 Construction of mechanical penstocks	3.2.3	101	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	98	n/a	n/a					
4.2 Concreting Works for Tidal Gate	4.2	103	n/a	n/a					
4.3 Delivery and E&M Installations for Tidal Gate	4.3	85	n/a	n/a					
5 River Revitalisation and Associated Works									
5.1 Construction of Footpath along Luk Tei Tong Bypass Channel	5.1	98	155	-52	3				
5.2 Softscape and Hardscape Works	5.2	90	155	-52	3				

Predicted Noise Level, Leq (30min.), dB(A)

- Construction Activity within Work Area

Cumulative Noise Level, Leq (30mins), dB(A)

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:
Scenario:
Noise criterion, dB(A)

No

[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:
Scenario:
Noise criterion, dB(A)

No

[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: Scenario: Noise criterion, dB(A)	N18					Exceedance				
	Mitigated	75								
	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	102	n/a	n/a	n/a					
1.1.2 Construction of Cross Bridge	1.1.2	103	n/a	n/a	n/a					
1.2 Construction of Stormwater Pumping Station										
1.2.1 Site Clearance & Mobilisation	1.2.1	101	n/a	n/a	n/a					
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	101	n/a	n/a	n/a					
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	103	n/a	n/a	n/a					
1.2.4 Concreting Works for Wet Well	1.2.4	104	n/a	n/a	n/a					
1.2.5 Superstructure for Pumping Station	1.2.5	104	n/a	n/a	n/a					
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	89	n/a	n/a	n/a					
1.2.7 Reinstatement	1.2.7	104	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	104	n/a	n/a	n/a					
1.3.2 Excavation & Temporary Works	1.3.2	100	n/a	n/a	n/a					
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	103	n/a	n/a	n/a					
1.3.4 Formwork Dismantling and Backfilling	1.3.4	98	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	88	194	-54	3					
1.4.2 Backfilling and Reinstatement	1.4.2	89	194	-54	3					
1.5 Construction of Associated Drainage Works (River Crossing)										
1.5.1 Construction of Launching Pit	1.5.1	96	n/a	n/a	n/a					
1.5.2 Equipment Setup	1.5.2	100	n/a	n/a	n/a					
1.5.3 Trenchless Operation	1.5.3	101	n/a	n/a	n/a					
1.5.4 Construction of Manhole	1.5.4	102	n/a	n/a	n/a					
1.5.5 Reinstatement & Ancillary Works	1.5.5	101	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	102	n/a	n/a	n/a					
2.2 Excavation & Temporary Works	2.2	103	n/a	n/a	n/a					
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	102	n/a	n/a	n/a					
2.4 Formwork Dismantling and Backfilling	2.4	101	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	86	n/a	n/a	n/a					
3.1.2 River Reprofiling	3.1.2	97	n/a	n/a	n/a					
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	104	n/a	n/a	n/a					
3.1.4 Construction of Low Flow Device	3.1.4	104	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	102	61	-44	3	62	62	62	62	62
3.2.2 Construction of box culvert	3.2.2	103	99	-48	3	58	58	58	58	
3.2.3 Construction of mechanical penstocks	3.2.3	101	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	98	n/a	n/a	n/a					
4.2 Concreting Works for Tidal Gate	4.2	103	n/a	n/a	n/a					
4.3 Delivery and E&M Installations for Tidal Gate	4.3	85	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	98	163	-52	3	49	49	49	49	49
5.2 Softscape and Hardscape Works	5.2	90	163	-52	3	41	41	41	41	41
Predicted Noise Level, Leq (30min.), dB(A)										
- Construction Activity within Work Area						62	62	62	62	62
Cumulative Noise Level, Leq (30mins), dB(A)						62	62	62	62	62

NSR: Scenario: Noise criterion, dB(A)	N19					Exceedance			
	Mitigated								
	75								
Worksite	SWL	Dist.	DC	FC	2025	2026	2027	2028	2029
	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				
Construction Activity									
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	102	n/a	n/a					
1.1.2 Construction of Cross Bridge	1.1.2	103	n/a	n/a					
1.2 Construction of Stormwater Pumping Station									
1.2.1 Site Clearance & Mobilisation	1.2.1	101	n/a	n/a					
1.2.2 Excavation for Stormwater Pumping Station	1.2.2	101	n/a	n/a					
1.2.3 Piling Works for Wet Well and Pumping Station	1.2.3	103	n/a	n/a					
1.2.4 Concreting Works for Wet Well	1.2.4	104	n/a	n/a					
1.2.5 Superstructure for Pumping Station	1.2.5	104	n/a	n/a					
1.2.6 E&M Installations and Testing for Pumping Station	1.2.6	89	n/a	n/a					
1.2.7 Reinstatement	1.2.7	104	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	104	n/a	n/a					
1.3.2 Excavation & Temporary Works	1.3.2	100	n/a	n/a					
1.3.3 Formwork Erection, Reinforcement Fixing and Concreting	1.3.3	103	n/a	n/a					
1.3.4 Formwork Dismantling and Backfilling	1.3.4	98	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	88	285	-57	3				
1.4.2 Backfilling and Reinstatement	1.4.2	89	285	-57	3				
1.5 Construction of Associated Drainage Works (River Crossing)									
1.5.1 Construction of Launching Pit	1.5.1	96	n/a	n/a					
1.5.2 Equipment Setup	1.5.2	100	n/a	n/a					
1.5.3 Trenchless Operation	1.5.3	101	n/a	n/a					
1.5.4 Construction of Manhole	1.5.4	102	n/a	n/a					
1.5.5 Reinstatement & Ancillary Works	1.5.5	101	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	102	n/a	n/a					
2.2 Excavation & Temporary Works	2.2	103	n/a	n/a					
2.3 Formwork Erection, Reinforcement Fixing and Concreting	2.3	102	n/a	n/a					
2.4 Formwork Dismantling and Backfilling	2.4	101	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	86	n/a	n/a	n/a				
3.1.2 River Reprofiling	3.1.2	97	n/a	n/a	n/a				
3.1.3 Modification of Agricultural Weir & Fish Ladder	3.1.3	104	n/a	n/a	n/a				
3.1.4 Construction of Low Flow Device	3.1.4	104	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	102	20	-34	3	71 71 71 71 71 71 71			
3.2.2 Construction of box culvert	3.2.2	103	20	-34	3	72 72 72 72 72 72			
3.2.3 Construction of mechanical penstocks	3.2.3	101	280	-57	3				47 47 47
4 Construction of Tidal Gate and Other Associated Works									
4.1 Construction of Temporary Barrier across River Silver & Isolation from Upstream Flows	4.1	98	n/a	n/a	n/a				
4.2 Concreting Works for Tidal Gate	4.2	103	n/a	n/a	n/a				
4.3 Delivery and E&M Installations for Tidal Gate	4.3	85	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	98	256	-56	3	45 45 45 45 45 45 45	37 37 37 37 37 37	34 34 34 34 34 34 34	34 34 34 34 34 34 34
5.2 Softscape and Hardscape Works	5.2	90	256	-56	3	37 37 37 37 37 37	37 37 37 37 37 37	34 34 34 34 34 34 34	34 34 34 34 34 34 34

Predicted Noise Level, Leq (30min.), dB(A)									
- Construction Activity within Work Area						71 71 71 71 71 71 71			
Cumulative Noise Level, Leq (30mins), dB(A)						71 71 71 71 71 72 72 72 72 72 72 72	45 45 45 45 45 45 45 45 45 45 45 45	34 34 34 34 34 34 34 34 34 34 34 34	34 34 34 34 34 34 34 34 34 34 34 34

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