Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C01 Chevalier Garden

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	320	110	0	-58	3	55	55	55	55	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	292	112	0	-57	3	58	-	-	-	-	-	-	58	58	58	58	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	305	112	0	-58	3	57	-	-	-	-	-	-	57	57	57	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	320	112	0	-58	3	57	-	-	-	-	-	-	57	57	57	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	227	113	0	-55	3	61	-	-	-	-	-	-	61	61	61	61	61	61	61	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	502	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	412	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	412	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	227	110	0	-55	3	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	305	116	0	-58	3	61	-	-	-	-	-	-	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	305	106	0	-58	3	51	-	-	-	-	-	-	51	51	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	305	103	0	-58	3	48	-	-	-	-	-	-	-	-	-	48	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	263	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	263	113	0	-56	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	268	110	0	-57	3	56	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	268	108	0	-57	3	54	54	54	54	54	54	54	54	54	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	240	114	0	-56	3	61	-	-	-	-	-	-	-	-	61	61	61	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	240	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	58	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	240	114	0	-56	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61	61	61	61	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	363	110	0	-59	3	54	54	54	54	54	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	363	105	0	-59	3	49	-	-	-	49	49	49	49	49	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	366	109	0	-59	3	53	-	-	-	53	53	53	53	53	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	312	111	0	-58	3	56	-	-	-	-	-	-	-	-	56	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	312	109	0	-58	3	54	-	-	-	-	-	-	-	-	-	-	-	54	54	54	54	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	312	115	0	-58	3	60	-	-	-	-	-	-	-	-	-	-	-	-	60	60	60	60	60	60	60	60	60	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	312	110	0	-58	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	55	55	55	55	55	55	55	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	312	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	296	122	0	-57	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	296	112	0	-57	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	345	111	0	-59	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	55	55	55	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	296	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C01 Chevalier Garden

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																						
Cavern Excavation (Drill & Blast)																																																						
A1931	Manuvour and handling of C&D materials in Area 73	502	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																						
A1360	Site Formation for Works Area	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																						
Preparation Works																																																						
A1240	Mobilisation and general site clearance	320	110	0	-58	3	55	55	55	55	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																						
A1260	Erection of working platform for bored pile wall construction	320	111	0	-58	3	56	-	-	-	-	-	-	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	320	109	0	-58	3	54	-	-	-	-	-	-	-	-	-	-	-	54	54	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	320	121	0	-58	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	66	66	66	66	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	320	110	0	-58	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	55	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	320	117	0	-58	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	62	62	62	62	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	320	110	0	-58	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	320	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	320	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																						
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	348	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	348	108	0	-59	3	52	-	-	-	-	-	-	-	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	348	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	348	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	348	113	0	-59	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	348	97	0	-59	3	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	349	109	0	-59	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																						
E&M Installation																																																						
A1690	Construction of civil & builders works of relocated STSTW	242	120	-10	-56	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	227	106	0	-55	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	242	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	227	106	0	-55	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	227	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																						
A1740	Mobilisation of plant and equipment on Site	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																						
Administration Buildings and other ancillary facilities construction																																																						
A1430	Construction of Administration Buildings and other ancillary facilities	312	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																						
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
	Predicted Overall Noise Level in Leq (30-min), dB(A)							64	64	64	64	64	64	67	67	69	68	68	68	69	71	71	70	68	69	68	67	67	67	67	67	65	64	69	64	63	63	63	60	61	60	60	58	58	58	61	60	60	56	56	56	56	56	56	56

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C01 Chevalier Garden

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	320	110	0	-58	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	292	112	0	-57	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	305	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	320	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	227	113	0	-55	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	502	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	412	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	412	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	227	110	0	-55	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	305	116	0	-58	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	305	106	0	-58	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	305	103	0	-58	3	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	263	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	263	113	0	-56	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	268	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	268	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	240	114	0	-56	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	240	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	240	114	0	-56	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	363	110	0	-59	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	363	105	0	-59	3	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	366	109	0	-59	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	312	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	312	109	0	-58	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	312	115	0	-58	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	312	110	0	-58	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	312	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	296	122	0	-57	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	296	112	0	-57	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	345	111	0	-59	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	296	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C01 Chevalier Garden

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	502	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	320	110	0	-58	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	320	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	320	109	0	-58	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	320	121	0	-58	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	320	110	0	-58	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	320	117	0	-58	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	320	110	0	-58	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	320	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	320	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	348	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	348	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	348	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	348	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	348	113	0	-59	3	57	-	-	-	57	57	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	348	97	0	-59	3	41	-	-	-	-	-	-	-	-	-	-	-	-	41	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	349	109	0	-59	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	242	120	-10	-56	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	227	106	0	-55	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	54	54	54	54	54	54	54	54	54	54	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	242	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	58	58	58	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	227	106	0	-55	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	54	54	54	54	54	54	54	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	227	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	59	59	59	59	59	59
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	312	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
	Predicted Overall Noise Level in Leq (30-min), dB(A)							56	56	56	59	59	59	59	59	59	59	59	59	59	56	59	59	59	59	59	61	61	64	64	64	64	64	64	64	64	64	64	62	62	61	61	61	63	63	63	63	63	63	63	63	63	63

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C01 Chevalier Garden

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	320	110	0	-58	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	292	112	0	-57	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	305	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	320	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	227	113	0	-55	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	502	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	412	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	412	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	227	110	0	-55	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	305	116	0	-58	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	305	106	0	-58	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	305	103	0	-58	3	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	263	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	263	113	0	-56	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	268	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	268	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	240	114	0	-56	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	240	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	240	114	0	-56	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	363	110	0	-59	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	363	105	0	-59	3	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	366	109	0	-59	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	312	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	312	109	0	-58	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	312	115	0	-58	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	312	110	0	-58	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	312	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	296	122	0	-57	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	296	112	0	-57	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	345	111	0	-59	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	296	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C01 Chevalier Garden

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	502	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	320	110	0	-58	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	320	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	320	109	0	-58	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	320	121	0	-58	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	320	110	0	-58	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	320	117	0	-58	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	320	110	0	-58	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	320	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	320	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	348	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	348	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	348	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	348	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	348	113	0	-59	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	348	97	0	-59	3	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	349	109	0	-59	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	242	120	-10	-56	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	227	106	0	-55	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	242	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	227	106	0	-55	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	227	111	0	-55	3	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	312	112	0	-58	3	57	57	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							63	63	63	63	60	60	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C02 Wellborn Kindergarten

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	127	110	-5	-50	3	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	483	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	483	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	127	112	-5	-50	3	60	-	-	-	-	-	-	60	60	60	60	60	60	60	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	705	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	468	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	468	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	434	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	434	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	434	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	559	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	559	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	558	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	527	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C02 Wellborn Kindergarten

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	705	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	127	110	-5	-50	3	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	127	111	-5	-50	3	59	-	-	-	-	-	-	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	127	109	-5	-50	3	57	-	-	-	-	-	-	-	-	-	-	-	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	127	121	-5	-50	3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	69	69	69	69	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	127	110	-5	-50	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	127	117	-5	-50	3	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	65	65	65	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	127	110	-5	-50	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	127	112	-5	-50	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	127	114	-5	-50	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	62	62	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	523	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	198	120	-10	-54	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	198	111	-10	-54	3	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
	Predicted Overall Noise Level in Leq (30-min), dB(A)							61	61	61	61	61	61	63	63	63	63	63	64	62	70	70	70	69	69	67	66	66	66	66	67	61	61	61	65	63	63	63	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C02 Wellborn Kindergarten

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	127	110	-5	-50	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	483	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	483	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	127	112	-5	-50	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	705	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	468	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	468	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	434	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	434	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	434	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	559	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	559	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	558	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	527	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C02 Wellborn Kindergarten

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	705	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	127	110	-5	-50	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	127	111	-5	-50	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	127	109	-5	-50	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	127	121	-5	-50	3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	127	110	-5	-50	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	127	117	-5	-50	3	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	127	110	-5	-50	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	127	112	-5	-50	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	127	114	-5	-50	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	523	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	198	120	-10	-54	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
A1720	Construction of transformer and plant control room at main access tunnel portal area	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	198	111	-10	-54	3	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50	50	50	50	50	50	50	50	50	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
	Predicted Overall Noise Level in Leq (30-min), dB(A)							53	53	53	53	53	53	53	53	53	53	53	53	53	53	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	53	53	53	53	53	53	53	53	53	53	53

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C02 Wellborn Kindergarten

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	127	110	-5	-50	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	483	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	483	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	127	112	-5	-50	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	705	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	468	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	468	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	434	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	434	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	434	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	559	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	559	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	558	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	527	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C02 Wellborn Kindergarten

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	705	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	127	110	-5	-50	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	127	111	-5	-50	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	127	109	-5	-50	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	127	121	-5	-50	3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	127	110	-5	-50	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	127	117	-5	-50	3	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	127	110	-5	-50	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	127	112	-5	-50	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	127	114	-5	-50	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	523	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	198	120	-10	-54	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	198	111	-10	-54	3	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	53	53	53	53	53	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							53	53	53	53	53	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C03 Hay Nien Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	208	112	0	-54	3	61	-	-	-	-	-	-	61	61	61	61	61	61	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	260	112	0	-56	3	59	-	-	-	-	-	-	59	59	59	59	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	273	113	0	-57	3	59	-	-	-	-	-	-	59	59	59	59	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	310	110	-5	-58	3	50	50	50	50	50	50	50	50	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	181	108	0	-53	3	58	-	-	-	-	-	-	-	-	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	181	104	0	-53	3	54	-	-	-	-	-	-	-	-	54	54	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	273	110	0	-57	3	56	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	191	116	0	-54	3	65	-	-	-	-	-	-	65	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	191	106	0	-54	3	55	-	-	-	-	-	-	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	191	114	0	-54	3	63	-	-	-	-	-	-	-	-	63	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	191	103	0	-54	3	52	-	-	-	-	-	-	-	-	-	52	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	225	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	225	113	0	-55	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	140	110	0	-51	3	62	62	62	62	62	62	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	140	108	0	-51	3	60	60	60	60	60	60	60	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	142	114	0	-51	3	66	-	-	-	-	-	-	-	-	66	66	66	66	66	66	66	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	142	111	0	-51	3	63	-	-	-	-	-	-	-	-	-	-	-	63	63	63	63	63	63	63	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	142	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	66	66	66	66	66	66	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	340	110	0	-59	3	54	54	54	54	54	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	340	105	0	-59	3	49	-	-	-	49	49	49	49	49	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	259	109	0	-56	3	56	-	-	-	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	251	111	0	-56	3	58	-	-	-	-	-	-	-	-	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	251	109	0	-56	3	56	-	-	-	-	-	-	-	-	-	-	-	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	251	115	0	-56	3	62	-	-	-	-	-	-	-	-	-	-	-	-	62	62	62	62	62	62	62	62	62	62	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	251	110	0	-56	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	251	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	234	122	0	-55	3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	234	112	0	-55	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60	60	60	60	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	280	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	234	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C03 Hay Nien Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	310	117	0	-58	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	294	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	294	108	0	-57	3	54	-	-	-	-	-	-	-	-	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	294	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	294	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	294	113	0	-57	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	294	97	0	-57	3	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	284	109	0	-57	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	189	120	-10	-54	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	273	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	189	111	0	-54	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	273	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	273	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	305	110	0	-58	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	305	108	0	-58	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	251	112	0	-56	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
	Predicted Overall Noise Level in Leq (30-min), dB(A)							66	66	66	66	66	66	69	69	**72**	71	70	71	**71**	**71**	**71**	69	67	68	70	68	69	68	68	68	68	67	71	62	62	62	62	62	65	65	65	64	64	64	66	65	65	64	64	64	64	64	64	64

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C03 Hay Nien Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	208	112	0	-54	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	260	112	0	-56	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	273	113	0	-57	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	310	110	-5	-58	3	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	181	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	181	104	0	-53	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	273	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	191	116	0	-54	3	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	191	106	0	-54	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	191	114	0	-54	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	191	103	0	-54	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	225	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	225	113	0	-55	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	140	110	0	-51	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	140	108	0	-51	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	142	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	142	111	0	-51	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	142	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	340	110	0	-59	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	340	105	0	-59	3	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	259	109	0	-56	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	251	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	251	109	0	-56	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	251	115	0	-56	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	251	110	0	-56	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	251	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	234	122	0	-55	3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	234	112	0	-55	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	280	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	234	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C03 Hay Nien Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	310	117	0	-58	3	62	62	62	62	62	62	62	62	62	62	62	62	62	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	294	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	294	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	294	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	294	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	294	113	0	-57	3	59	-	-	-	59	59	59	59	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	294	97	0	-57	3	43	-	-	-	-	-	-	-	-	-	-	-	-	43	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	284	109	0	-57	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	189	120	-10	-54	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	273	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	52	52	52	52	52	52	52	52	52	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	189	111	0	-54	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60	60	60	60	60	60	60	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	273	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	52	52	52	52	52	52	52	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	273	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	57	57	57	57	57	57
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	305	110	0	-58	3	55	-	-	-	-	-	-	-	-	-	-	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	305	108	0	-58	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	53	53	53	53	53	53	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	251	112	0	-56	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
	Predicted Overall Noise Level in Leq (30-min), dB(A)							64	64	64	65	65	65	65	65	65	65	65	65	65	60	62	62	62	62	62	62	64	64	66	66	66	68	68	68	65	65	65	65	66	66	64	64	63	63	63	64	64	64	64	63	64	63	63	63

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C03 Hay Nien Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	208	112	0	-54	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	260	112	0	-56	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	273	113	0	-57	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	310	110	-5	-58	3	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	181	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	181	104	0	-53	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	273	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	191	116	0	-54	3	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	191	106	0	-54	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	191	114	0	-54	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	191	103	0	-54	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	225	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	225	113	0	-55	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	140	110	0	-51	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	140	108	0	-51	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	142	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	142	111	0	-51	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	142	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	340	110	0	-59	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	340	105	0	-59	3	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	259	109	0	-56	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	251	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	251	109	0	-56	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	251	115	0	-56	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	251	110	0	-56	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	251	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	234	122	0	-55	3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	234	112	0	-55	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	280	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	234	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C03 Hay Nien Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	310	117	0	-58	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	294	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	294	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	294	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	294	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	294	113	0	-57	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	294	97	0	-57	3	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	284	109	0	-57	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	189	120	-10	-54	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	273	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	189	111	0	-54	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	273	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	273	111	0	-57	3	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	305	110	0	-58	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	305	108	0	-58	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	251	112	0	-56	3	59	59	59	59	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							63	63	63	63	62	62	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C04 Ma On Shan Tsung Tsin Secondary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	198	112	0	-54	3	61	-	-	-	-	-	-	61	61	61	61	61	61	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	255	112	0	-56	3	59	-	-	-	-	-	-	59	59	59	59	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	147	113	0	-51	3	65	-	-	-	-	-	-	65	65	65	65	65	65	65	65	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	263	110	0	-56	3	57	57	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	129	108	0	-50	3	61	-	-	-	-	-	-	-	-	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	129	104	0	-50	3	57	-	-	-	-	-	-	-	-	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	147	110	0	-51	3	62	62	62	62	62	62	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	171	116	0	-53	3	66	-	-	-	-	-	-	66	66	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	171	106	0	-53	3	56	-	-	-	-	-	-	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	171	114	0	-53	3	64	-	-	-	-	-	-	-	-	64	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	171	103	0	-53	3	53	-	-	-	-	-	-	-	-	-	53	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	215	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	215	113	0	-55	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	125	110	0	-50	3	63	63	63	63	63	63	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	125	108	0	-50	3	61	61	61	61	61	61	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	128	114	0	-50	3	67	-	-	-	-	-	-	-	-	67	67	67	67	67	67	67	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	128	111	0	-50	3	64	-	-	-	-	-	-	-	-	-	-	-	64	64	64	64	64	64	64	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	128	114	0	-50	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	67	67	67	67	67	67	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	215	110	0	-55	3	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	215	105	0	-55	3	53	-	-	-	53	53	53	53	53	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	235	109	0	-55	3	57	-	-	-	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	231	111	0	-55	3	59	-	-	-	-	-	-	-	-	59	59	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	231	109	0	-55	3	57	-	-	-	-	-	-	-	-	-	-	-	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	231	115	0	-55	3	63	-	-	-	-	-	-	-	-	-	-	-	-	63	63	63	63	63	63	63	63	63	63	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	231	110	0	-55	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	58	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	231	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	224	122	0	-55	3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	224	112	0	-55	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60	60	60	60	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	266	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	224	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C04 Ma On Shan Tsung Tsin Secondary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	263	117	0	-56	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	64	64	64	64	64	64	64	64	64	64	64	64
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	282	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	282	108	0	-57	3	54	-	-	-	-	-	-	-	-	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	282	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	282	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	282	113	0	-57	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	282	97	0	-57	3	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	272	109	0	-57	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	193	120	-10	-54	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	147	106	0	-51	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	193	111	0	-54	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	147	106	0	-51	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	147	111	0	-51	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	268	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	268	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	268	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	268	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	268	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	268	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	231	112	0	-55	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
	Predicted Overall Noise Level in Leq (30-min), dB(A)							68	68	68	69	69	68	71	71	**74**	**72**	**72**	**72**	**73**	**73**	**73**	71	68	69	71	69	70	69	69	69	69	68	71	63	63	63	63	63	67	66	66	66	66	66	67	66	66	65	65	65	65	65	65

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C04 Ma On Shan Tsung Tsin Secondary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	198	112	0	-54	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	255	112	0	-56	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	147	113	0	-51	3	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	263	110	0	-56	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	129	108	0	-50	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	129	104	0	-50	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	147	110	0	-51	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	171	116	0	-53	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	171	106	0	-53	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	171	114	0	-53	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	171	103	0	-53	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	215	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	215	113	0	-55	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	125	110	0	-50	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	125	108	0	-50	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	128	114	0	-50	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	128	111	0	-50	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	128	114	0	-50	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	215	110	0	-55	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	215	105	0	-55	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	235	109	0	-55	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	231	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	231	109	0	-55	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	231	115	0	-55	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	231	110	0	-55	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	231	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	224	122	0	-55	3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	224	112	0	-55	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	266	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	224	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C04 Ma On Shan Tsung Tsin Secondary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	263	117	0	-56	3	64	64	64	64	64	64	64	64	64	64	64	64	64	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	282	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	282	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	282	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	282	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	282	113	0	-57	3	59	-	-	-	59	59	59	59	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	282	97	0	-57	3	43	-	-	-	-	-	-	-	-	-	-	-	-	43	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	272	109	0	-57	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	193	120	-10	-54	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	147	106	0	-51	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	58	58	58	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	193	111	0	-54	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60	60	60	60	60	60	60	60	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	147	106	0	-51	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	147	111	0	-51	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	63	63	63	63	63	63	63	63
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	268	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	268	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	268	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	268	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	268	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	268	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	54	54	54	54	54	54	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	231	112	0	-55	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
	Predicted Overall Noise Level in Leq (30-min), dB(A)							65	65	65	66	66	66	66	66	66	66	67	67	67	61	63	63	63	63	63	65	65	67	67	67	69	69	69	66	66	66	66	67	67	65	65	65	65	67	66	66	66	66	67	66	66	66

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C04 Ma On Shan Tsung Tsin Secondary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	198	112	0	-54	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	255	112	0	-56	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	147	113	0	-51	3	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	263	110	0	-56	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	129	108	0	-50	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	129	104	0	-50	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	147	110	0	-51	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	171	116	0	-53	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	171	106	0	-53	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	171	114	0	-53	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	171	103	0	-53	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	215	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	215	113	0	-55	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	125	110	0	-50	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	125	108	0	-50	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	128	114	0	-50	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	128	111	0	-50	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	128	114	0	-50	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	215	110	0	-55	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	215	105	0	-55	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	235	109	0	-55	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	231	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	231	109	0	-55	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	231	115	0	-55	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	231	110	0	-55	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	231	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	224	122	0	-55	3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	224	112	0	-55	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	266	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	224	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C04 Ma On Shan Tsung Tsin Secondary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	263	117	0	-56	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	282	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	282	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	282	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	282	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	282	113	0	-57	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	282	97	0	-57	3	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	272	109	0	-57	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	193	120	-10	-54	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	147	106	0	-51	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	193	111	0	-54	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	147	106	0	-51	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	147	111	0	-51	3	63	63	63	63	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	268	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	268	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	268	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	268	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	268	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	268	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	231	112	0	-55	3	60	60	60	60	60	60	60	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	60	60	60	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							66	66	66	66	63	63	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C05 Low rise residential buildings on Tai Shui Hang South Street

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	307	112	0	-58	3	57	-	-	-	-	-	-	57	57	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	355	112	0	-59	3	56	-	-	-	-	-	-	56	56	56	56	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	280	113	0	-57	3	59	-	-	-	-	-	-	59	59	59	59	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	380	110	-10	-60	3	43	43	43	43	43	43	43	43	43	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	270	108	-10	-57	3	44	-	-	-	-	-	-	-	-	44	44	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	270	104	-10	-57	3	40	-	-	-	-	-	-	-	-	40	40	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	280	110	0	-57	3	56	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	291	116	0	-57	3	62	-	-	-	-	-	-	62	62	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	291	106	0	-57	3	52	-	-	-	-	-	-	52	52	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	291	114	0	-57	3	60	-	-	-	-	-	-	-	-	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	291	103	0	-57	3	49	-	-	-	-	-	-	-	-	-	49	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	319	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	319	113	0	-58	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	240	110	0	-56	3	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	240	108	0	-56	3	55	55	55	55	55	55	55	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	242	114	0	-56	3	61	-	-	-	-	-	-	-	-	61	61	61	61	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	242	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	58	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	242	114	0	-56	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61	61	61	61	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	342	110	0	-59	3	54	54	54	54	54	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	342	105	0	-59	3	49	-	-	-	49	49	49	49	49	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	359	109	0	-59	3	53	-	-	-	53	53	53	53	53	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	351	111	0	-59	3	55	-	-	-	-	-	-	-	-	55	55	55	55	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	351	109	0	-59	3	53	-	-	-	-	-	-	-	-	-	-	-	53	53	53	53	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	351	115	0	-59	3	59	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	59	59	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	351	110	0	-59	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	54	54	54	54	54	54	54	54	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	351	111	0	-59	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	332	122	0	-58	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	332	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	376	111	0	-59	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	55	55	55	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	332	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	56	56	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C05 Low rise residential buildings on Tai Shui Hang South Street

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	380	117	-10	-60	3	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	382	109	0	-60	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	276	120	-10	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	280	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	276	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	280	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	280	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	351	112	0	-59	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
	Predicted Overall Noise Level in Leq (30-min), dB(A)							62	62	62	63	63	63	66	66	68	67	66	67	68	68	68	66	63	64	66	64	64	64	64	64	63	63	68	59	59	59	59	59	60	60	60	59	59	59	61	59	59	57	57	57	57	57	57	57

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C05 Low rise residential buildings on Tai Shui Hang South Street

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																							
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																							
Access Road for Magazine at A Kung Kok Road																																																							
Construction of Temporary Haul Road																																																							
M1010	Mobilisation and site clearance	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																							
M1040	Piling Foundation for Retaining Wall	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																							
M1100	Site Formation & Construction of Explosive Compound Structure	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																							
Natural Terrain Hazard Mitigation Works-1																																																							
A1549	Mobilisation and site clearance	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	307	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	355	112	0	-59	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	280	113	0	-57	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																							
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	380	110	-10	-60	3	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	270	108	-10	-57	3	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	270	104	-10	-57	3	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																							
Preparation Works																																																							
A1010	Mobilisation and site clearance	280	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																							
A1020	Construction of Retaining Wall	291	116	0	-57	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	291	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	291	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	291	103	0	-57	3	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																							
A1060	Soft ground excavation for Pilot Construction Adit	319	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	319	113	0	-58	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																							
Preparation Works																																																							
A1080	Mobilisation and general site clearance	240	110	0	-56	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	240	108	0	-56	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																							
A1100	Excavation and slope cutting	242	114	0	-56	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	242	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	242	114	0	-56	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																							
Preparation Works																																																							
A1130	Mobilisation, general site clearance and levelling	342	110	0	-59	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	342	105	0	-59	3	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	359	109	0	-59	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																							
A1160	Erection of working platform for bored pile wall construction	351	111	0	-59	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	351	109	0	-59	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	351	115	0	-59	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	351	110	0	-59	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	351	111	0	-59	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	332	122	0	-58	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	332	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	376	111	0	-59	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	332	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C05 Low rise residential buildings on Tai Shui Hang South Street

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	380	117	-10	-60	3	50	50	50	50	50	50	50	50	50	50	50	50	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	382	109	0	-60	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	276	120	-10	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	280	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	52	52	52	52	52	52	52	52	52	52	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	276	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	57	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	280	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	52	52	52	52	52	52	52	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	280	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	57	57	57	57	57
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	351	112	0	-59	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
	Predicted Overall Noise Level in Leq (30-min), dB(A)							57	57	57	57	57	57	57	57	57	57	57	57	57	55	59	59	59	59	59	59	61	61	63	63	63	63	63	63	63	63	63	63	61	61	60	60	60	62	61	61	61	61	62	61	61	61

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C05 Low rise residential buildings on Tai Shui Hang South Street

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	307	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	355	112	0	-59	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	280	113	0	-57	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	380	110	-10	-60	3	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	270	108	-10	-57	3	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	270	104	-10	-57	3	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	280	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	291	116	0	-57	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	291	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	291	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	291	103	0	-57	3	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	319	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	319	113	0	-58	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	240	110	0	-56	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	240	108	0	-56	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	242	114	0	-56	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	242	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	242	114	0	-56	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	342	110	0	-59	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	342	105	0	-59	3	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	359	109	0	-59	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	351	111	0	-59	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	351	109	0	-59	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	351	115	0	-59	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	351	110	0	-59	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	351	111	0	-59	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	332	122	0	-58	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	332	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	376	111	0	-59	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	332	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C05 Low rise residential buildings on Tai Shui Hang South Street

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	380	117	-10	-60	3	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	382	109	0	-60	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	276	120	-10	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	280	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	276	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	280	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	280	111	0	-57	3	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	351	112	0	-59	3	56	56	56	56	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	55	55	55	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							61	61	61	61	59	59	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C06 Kam Tai Court

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																							
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																							
Access Road for Magazine at A Kung Kok Road																																																							
Construction of Temporary Haul Road																																																							
M1010	Mobilisation and site clearance	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																							
M1040	Piling Foundation for Retaining Wall	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																							
M1100	Site Formation & Construction of Explosive Compound Structure	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																							
Natural Terrain Hazard Mitigation Works-1																																																							
A1549	Mobilisation and site clearance	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	297	112	0	-57	3	58	-	-	-	-	-	-	58	58	58	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	357	112	0	-59	3	56	-	-	-	-	-	-	56	56	56	56	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	275	113	0	-57	3	59	-	-	-	-	-	-	59	59	59	59	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																							
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	134	110	-5	-51	3	57	57	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	156	108	-5	-52	3	54	-	-	-	-	-	-	-	-	54	54	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	156	104	-5	-52	3	50	-	-	-	-	-	-	-	-	50	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																							
Preparation Works																																																							
A1010	Mobilisation and site clearance	275	110	0	-57	3	56	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																							
A1020	Construction of Retaining Wall	249	116	0	-56	3	63	-	-	-	-	-	-	63	63	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	249	106	0	-56	3	53	-	-	-	-	-	-	53	53	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	249	114	0	-56	3	61	-	-	-	-	-	-	-	-	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	249	103	0	-56	3	50	-	-	-	-	-	-	-	-	-	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																							
A1060	Soft ground excavation for Pilot Construction Adit	300	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	300	113	0	-58	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																							
Preparation Works																																																							
A1080	Mobilisation and general site clearance	246	110	0	-56	3	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	246	108	0	-56	3	55	55	55	55	55	55	55	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																							
A1100	Excavation and slope cutting	253	114	0	-56	3	61	-	-	-	-	-	-	-	-	61	61	61	61	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	253	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	58	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	253	114	0	-56	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61	61	61	61	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																							
Preparation Works																																																							
A1130	Mobilisation, general site clearance and levelling	231	110	0	-55	3	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	231	105	0	-55	3	53	-	-	-	53	53	53	53	53	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	262	109	0	-56	3	56	-	-	-	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																							
A1160	Erection of working platform for bored pile wall construction	253	111	0	-56	3	58	-	-	-	-	-	-	-	-	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	253	109	0	-56	3	56	-	-	-	-	-	-	-	-	-	-	-	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	253	115	0	-56	3	62	-	-	-	-	-	-	-	-	-	-	-	-	62	62	62	62	62	62	62	62	62	62	62	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	253	110	0	-56	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	253	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	306	122	0	-58	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	306	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	327	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	56	56	56	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	306	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	56	56	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C06 Kam Tai Court

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	134	117	-5	-51	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	354	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	354	108	0	-59	3	52	-	-	-	-	-	-	-	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	354	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	354	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	354	113	0	-59	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	354	97	0	-59	3	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	342	109	0	-59	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	359	120	-10	-59	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	275	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	359	111	0	-59	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	275	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	275	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	142	110	0	-51	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	142	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	142	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	142	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	142	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	142	108	0	-51	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	253	112	0	-56	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
	Predicted Overall Noise Level in Leq (30-min), dB(A)							66	66	66	66	66	66	68	68	70	69	68	68	69	69	70	68	66	67	68	67	67	67	67	67	66	65	69	63	63	63	63	63	67	67	67	66	66	66	67	67	67	66	66	66	66	66	66	66

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C06 Kam Tai Court

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	297	112	0	-57	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	357	112	0	-59	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	275	113	0	-57	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	134	110	-5	-51	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	156	108	-5	-52	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	156	104	-5	-52	3	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	275	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	249	116	0	-56	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	249	106	0	-56	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	249	114	0	-56	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	249	103	0	-56	3	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	300	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	300	113	0	-58	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	246	110	0	-56	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	246	108	0	-56	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	253	114	0	-56	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	253	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	253	114	0	-56	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	231	110	0	-55	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	231	105	0	-55	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	262	109	0	-56	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	253	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	253	109	0	-56	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	253	115	0	-56	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	253	110	0	-56	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	253	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	306	122	0	-58	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	306	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	327	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	306	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C06 Kam Tai Court

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	134	117	-5	-51	3	64	64	64	64	64	64	64	64	64	64	64	64	64	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	354	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	354	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	354	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	354	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	354	113	0	-59	3	57	-	-	-	57	57	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	354	97	0	-59	3	41	-	-	-	-	-	-	-	-	-	-	-	-	41	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	342	109	0	-59	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	359	120	-10	-59	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	275	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	52	52	52	52	52	52	52	52	52	52	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	359	111	0	-59	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	55	55	55	55	55	55	55	55	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	275	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	52	52	52	52	52	52	52	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	275	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	57	57	57	57	57	57
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	142	110	0	-51	3	62	-	-	-	-	-	-	-	-	-	-	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	142	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	66	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	142	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	66	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	142	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	66	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	142	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	66	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	142	108	0	-51	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60	60	60	60	60	60	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	253	112	0	-56	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
	Predicted Overall Noise Level in Leq (30-min), dB(A)							66	66	66	67	67	67	67	67	67	67	68	68	68	65	65	65	65	65	65	66	66	67	67	67	73	73	73	65	65	65	65	65	65	65	65	66	66	66	66	66	66	66	65	65	65	65	65

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C06 Kam Tai Court

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	297	112	0	-57	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	357	112	0	-59	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	275	113	0	-57	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	134	110	-5	-51	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	156	108	-5	-52	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	156	104	-5	-52	3	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	275	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	249	116	0	-56	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	249	106	0	-56	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	249	114	0	-56	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	249	103	0	-56	3	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	300	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	300	113	0	-58	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	246	110	0	-56	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	246	108	0	-56	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	253	114	0	-56	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	253	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	253	114	0	-56	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	231	110	0	-55	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	231	105	0	-55	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	262	109	0	-56	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	253	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	253	109	0	-56	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	253	115	0	-56	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	253	110	0	-56	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	253	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	306	122	0	-58	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	306	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	327	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	306	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C06 Kam Tai Court

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	134	117	-5	-51	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	354	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	354	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	354	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	354	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	354	113	0	-59	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	354	97	0	-59	3	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	342	109	0	-59	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	359	120	-10	-59	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	275	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	359	111	0	-59	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	275	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	275	111	0	-57	3	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	142	110	0	-51	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	142	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	142	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	142	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	142	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	142	108	0	-51	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	253	112	0	-56	3	59	59	59	59	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	62	62	62	62	62	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							65	65	65	65	64	64	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	321	112	0	-58	3	57	-	-	-	-	-	-	57	57	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	380	112	0	-60	3	55	-	-	-	-	-	-	55	55	55	55	55	55	55	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	298	113	0	-57	3	59	-	-	-	-	-	-	59	59	59	59	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	140	110	0	-51	3	62	62	62	62	62	62	62	62	62	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	178	108	0	-53	3	58	-	-	-	-	-	-	-	-	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	178	104	0	-53	3	54	-	-	-	-	-	-	-	-	54	54	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	298	110	0	-57	3	56	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	271	116	0	-57	3	62	-	-	-	-	-	-	62	62	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	271	106	0	-57	3	52	-	-	-	-	-	-	52	52	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	271	114	0	-57	3	60	-	-	-	-	-	-	-	-	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	271	103	0	-57	3	49	-	-	-	-	-	-	-	-	-	49	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	323	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	323	113	0	-58	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	271	110	0	-57	3	56	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	271	108	0	-57	3	54	54	54	54	54	54	54	54	54	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	277	114	0	-57	3	60	-	-	-	-	-	-	-	-	60	60	60	60	60	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	277	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	277	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60	60	60	60	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	252	110	0	-56	3	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	252	105	0	-56	3	52	-	-	-	52	52	52	52	52	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	283	109	0	-57	3	55	-	-	-	55	55	55	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	273	111	0	-57	3	57	-	-	-	-	-	-	-	-	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	273	109	0	-57	3	55	-	-	-	-	-	-	-	-	-	-	-	55	55	55	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	273	115	0	-57	3	61	-	-	-	-	-	-	-	-	-	-	-	-	61	61	61	61	61	61	61	61	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	273	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	56	56	56	56	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	273	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	328	122	0	-58	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	328	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	349	111	0	-59	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	55	55	55	55	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	328	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	56	56	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	140	117	0	-51	3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69	69	69	69	69	69	69	69	69	69	69	69	69	69
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	376	108	0	-60	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	376	108	0	-60	3	51	-	-	-	-	-	-	-	-	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	376	108	0	-60	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	376	108	0	-60	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	376	113	0	-60	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	376	97	0	-60	3	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	364	109	0	-59	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	385	120	-10	-60	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	298	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	385	111	0	-60	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	298	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	298	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	143	110	0	-51	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	143	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	143	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	143	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	143	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	143	108	0	-51	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	273	112	0	-57	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
	Predicted Overall Noise Level in Leq (30-min), dB(A)							66	66	66	67	67	66	68	68	70	68	68	68	68	68	69	68	66	66	67	66	66	66	66	66	65	65	69	63	63	63	63	63	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	321	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	380	112	0	-60	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	298	113	0	-57	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	140	110	0	-51	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	178	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	178	104	0	-53	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	298	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	271	116	0	-57	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	271	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	271	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	271	103	0	-57	3	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	323	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	323	113	0	-58	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	271	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	271	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	277	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	277	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	277	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	252	110	0	-56	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	252	105	0	-56	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	283	109	0	-57	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	273	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	273	109	0	-57	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	273	115	0	-57	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	273	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	273	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	328	122	0	-58	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	328	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	349	111	0	-59	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	328	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	140	117	0	-51	3	69	69	69	69	69	69	69	69	69	69	69	69	69	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	376	108	0	-60	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	376	108	0	-60	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	376	108	0	-60	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	376	108	0	-60	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	376	113	0	-60	3	56	-	-	-	56	56	56	56	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	376	97	0	-60	3	40	-	-	-	-	-	-	-	-	-	-	-	-	40	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	364	109	0	-59	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	385	120	-10	-60	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	298	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	52	52	52	52	52	52	52	52	52	52	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	385	111	0	-60	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	54	54	54	54	54	54	54	54	54	54	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	298	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	52	52	52	52	52	52	52	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	298	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	57	57	57	57	57	57
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	143	110	0	-51	3	62	-	-	-	-	-	-	-	-	-	-	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	143	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	66	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	143	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	66	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	143	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	66	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	143	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	66	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	143	108	0	-51	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60	60	60	60	60	60	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	273	112	0	-57	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
	Predicted Overall Noise Level in Leq (30-min), dB(A)							70	70	70	70	70	70	70	70	70	70	70	70	70	64	65	65	65	65	65	65	66	66	66	66	66	**73**	**73**	**73**	64	64	64	64	64	64	64	64	65	65	65	66	66	66	66	64	64	64	64	64

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	321	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	380	112	0	-60	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	298	113	0	-57	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	140	110	0	-51	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	178	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	178	104	0	-53	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	298	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	271	116	0	-57	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	271	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	271	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	271	103	0	-57	3	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	323	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	323	113	0	-58	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	271	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	271	108	0	-57	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	277	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	277	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	277	114	0	-57	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	252	110	0	-56	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	252	105	0	-56	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	283	109	0	-57	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	273	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	273	109	0	-57	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	273	115	0	-57	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	273	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	273	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	328	122	0	-58	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	328	112	0	-58	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	349	111	0	-59	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	328	111	0	-58	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	140	117	0	-51	3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	1328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	376	108	0	-60	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	376	108	0	-60	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	376	108	0	-60	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	376	108	0	-60	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	376	113	0	-60	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	376	97	0	-60	3	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	364	109	0	-59	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	385	120	-10	-60	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	298	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	385	111	0	-60	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	298	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	298	111	0	-57	3	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	143	110	0	-51	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	143	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	143	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	143	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	143	114	0	-51	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	143	108	0	-51	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	273	112	0	-57	3	58	58	58	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	61	61	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							64	64	64	64	63	63	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C08 Ah Kung Kok Fishermen Village

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																					
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																					
Access Road for Magazine at A Kung Kok Road																																																					
Construction of Temporary Haul Road																																																					
M1010	Mobilisation and site clearance	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																					
M1040	Piling Foundation for Retaining Wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																					
M1100	Site Formation & Construction of Explosive Compound Structure	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																					
Natural Terrain Hazard Mitigation Works-1																																																					
A1549	Mobilisation and site clearance	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	248	112	-5	-56	3	54	-	-	-	-	-	-	54	54	54	54	54	54	54	54	54	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	224	112	-5	-55	3	55	-	-	-	-	-	-	55	55	55	55	55	55	55	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	90	113	-5	-47	3	64	-	-	-	-	-	-	64	64	64	64	64	64	64	64	64	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																					
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	155	110	0	-52	3	61	61	61	61	61	61	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	49	108	0	-42	3	69	-	-	-	-	-	-	-	-	69	69	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	49	104	0	-42	3	65	-	-	-	-	-	-	-	-	65	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																					
Preparation Works																																																					
A1010	Mobilisation and site clearance	90	110	-5	-47	3	61	61	61	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																					
A1020	Construction of Retaining Wall	220	116	-5	-55	3	59	-	-	-	-	-	-	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	220	106	-5	-55	3	49	-	-	-	-	-	-	49	49	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	220	114	-5	-55	3	57	-	-	-	-	-	-	-	-	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	220	103	-5	-55	3	46	-	-	-	-	-	-	-	-	-	46	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																					
A1060	Soft ground excavation for Pilot Construction Adit	228	111	-5	-55	3	54	-	-	-	-	-	-	-	-	-	-	54	54	54	54	54	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	228	113	-5	-55	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																					
Preparation Works																																																					
A1080	Mobilisation and general site clearance	212	110	-5	-55	3	53	53	53	53	53	53	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	212	108	-5	-55	3	51	51	51	51	51	51	51	51	51	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																					
A1100	Excavation and slope cutting	258	114	-5	-56	3	56	-	-	-	-	-	-	-	-	56	56	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	258	111	-5	-56	3	53	-	-	-	-	-	-	-	-	-	-	-	53	53	53	53	53	53	53	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	258	114	-5	-56	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	56	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																					
Preparation Works																																																					
A1130	Mobilisation, general site clearance and levelling	85	110	-5	-47	3	61	61	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	85	105	-5	-47	3	56	-	-	-	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	174	109	-5	-53	3	54	-	-	-	54	54	54	54	54	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																					
A1160	Erection of working platform for bored pile wall construction	112	111	-5	-49	3	60	-	-	-	-	-	-	-	-	60	60	60	60	60	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	112	109	-5	-49	3	58	-	-	-	-	-	-	-	-	-	-	-	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	112	115	-5	-49	3	64	-	-	-	-	-	-	-	-	-	-	-	-	64	64	64	64	64	64	64	64	64	64	64	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	112	110	-5	-49	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	59	59	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	112	111	-5	-49	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	187	122	-5	-53	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	187	112	-5	-53	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	178	111	0	-53	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61	61	61	61	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	187	111	-5	-53	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	56	56	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C08 Ah Kung Kok Fishermen Village

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	155	117	0	-52	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	177	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	177	108	0	-53	3	58	-	-	-	-	-	-	-	-	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	177	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	177	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	177	113	0	-53	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	177	97	0	-53	3	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	176	109	0	-53	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	227	120	-10	-55	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	90	106	0	-47	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	227	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	90	106	0	-47	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	90	111	0	-47	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	305	110	0	-58	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	305	108	0	-58	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	112	112	-5	-49	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
	Predicted Overall Noise Level in Leq (30-min), dB(A)							68	68	68	69	69	68	69	69	73	73	72	69	70	70	71	70	68	69	69	68	69	68	68	68	67	66	70	65	65	65	65	65	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C08 Ah Kung Kok Fishermen Village

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	248	112	-5	-56	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	224	112	-5	-55	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	90	113	-5	-47	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	155	110	0	-52	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	49	108	0	-42	3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	49	104	0	-42	3	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	90	110	-5	-47	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	220	116	-5	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	220	106	-5	-55	3	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	220	114	-5	-55	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	220	103	-5	-55	3	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	228	111	-5	-55	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	228	113	-5	-55	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	212	110	-5	-55	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	212	108	-5	-55	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	258	114	-5	-56	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	258	111	-5	-56	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	258	114	-5	-56	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	85	110	-5	-47	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	85	105	-5	-47	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	174	109	-5	-53	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	112	111	-5	-49	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	112	109	-5	-49	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	112	115	-5	-49	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	112	110	-5	-49	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	112	111	-5	-49	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	187	122	-5	-53	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	187	112	-5	-53	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	178	111	0	-53	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	187	111	-5	-53	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C08 Ah Kung Kok Fishermen Village

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	155	117	0	-52	3	68	68	68	68	68	68	68	68	68	68	68	68	68	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	177	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	177	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	177	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	177	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	177	113	0	-53	3	63	-	-	-	63	63	63	63	63	63	63	63	63	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	177	97	0	-53	3	47	-	-	-	-	-	-	-	-	-	-	-	-	47	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	176	109	0	-53	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	227	120	-10	-55	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	90	106	0	-47	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	62	62	62	62	62	62	62	62	62	62	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	227	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	59	59	59	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	90	106	0	-47	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	62	62	62	62	62	62	62	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	90	111	0	-47	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	67	67	67	67	67	67	67	67
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	305	110	0	-58	3	55	-	-	-	-	-	-	-	-	-	-	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	305	108	0	-58	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	53	53	53	53	53	53	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	112	112	-5	-49	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
	Predicted Overall Noise Level in Leq (30-min), dB(A)							70	70	70	70	70	70	70	70	70	70	71	71	71	65	66	66	66	66	66	66	67	67	69	69	69	70	70	70	69	69	69	69	70	70	68	68	68	68	68	71	70	70	70	70	70	70	70	70

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C08 Ah Kung Kok Fishermen Village

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	248	112	-5	-56	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	224	112	-5	-55	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	90	113	-5	-47	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	155	110	0	-52	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	49	108	0	-42	3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	49	104	0	-42	3	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	90	110	-5	-47	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	220	116	-5	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	220	106	-5	-55	3	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	220	114	-5	-55	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	220	103	-5	-55	3	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	228	111	-5	-55	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	228	113	-5	-55	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	212	110	-5	-55	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	212	108	-5	-55	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	258	114	-5	-56	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	258	111	-5	-56	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	258	114	-5	-56	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	85	110	-5	-47	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	85	105	-5	-47	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	174	109	-5	-53	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	112	111	-5	-49	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	112	109	-5	-49	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	112	115	-5	-49	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	112	110	-5	-49	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	112	111	-5	-49	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	187	122	-5	-53	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	187	112	-5	-53	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	178	111	0	-53	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	187	111	-5	-53	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C08 Ah Kung Kok Fishermen Village

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	155	117	0	-52	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	177	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	177	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	177	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	177	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	177	113	0	-53	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	177	97	0	-53	3	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	176	109	0	-53	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	227	120	-10	-55	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	90	106	0	-47	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	227	111	0	-55	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	90	106	0	-47	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	90	111	0	-47	3	67	67	67	67	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	305	110	0	-58	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	305	114	0	-58	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	305	108	0	-58	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	112	112	-5	-49	3	61	61	61	61	61	61	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	65	65	65	65	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							70	70	70	70	66	66	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C09 Hong Kong Mountaineering Union

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	456	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	415	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	283	113	0	-57	3	59	-	-	-	-	-	-	59	59	59	59	59	59	59	59	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	164	110	-5	-52	3	56	56	56	56	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	82	108	-5	-46	3	60	-	-	-	-	-	-	-	-	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	82	104	-5	-46	3	56	-	-	-	-	-	-	-	-	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	283	110	0	-57	3	56	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	431	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	431	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	431	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	431	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	438	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	438	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	471	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	471	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	471	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	268	110	0	-57	3	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	268	105	0	-57	3	51	-	-	-	51	51	51	51	51	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	390	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	267	111	0	-57	3	57	-	-	-	-	-	-	-	-	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	267	109	0	-57	3	55	-	-	-	-	-	-	-	-	-	-	-	55	55	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	267	115	0	-57	3	61	-	-	-	-	-	-	-	-	-	-	-	-	61	61	61	61	61	61	61	61	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	267	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	56	56	56	56	56	56	56	56	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	267	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	385	111	0	-60	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	54	54	54	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C09 Hong Kong Mountaineering Union

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	164	117	-5	-52	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	375	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	375	108	0	-59	3	52	-	-	-	-	-	-	-	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	375	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	375	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	375	113	0	-59	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	375	97	0	-59	3	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	377	109	0	-60	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	437	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	283	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	437	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	283	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	283	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	267	112	0	-57	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
	Predicted Overall Noise Level in Leq (30-min), dB(A)							62	62	62	62	62	61	62	62	66	65	65	63	65	65	66	65	64	64	64	64	64	64	64	64	61	60	60	57	57	57	57	57	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C09 Hong Kong Mountaineering Union

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																							
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																							
Access Road for Magazine at A Kung Kok Road																																																							
Construction of Temporary Haul Road																																																							
M1010	Mobilisation and site clearance	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																							
M1040	Piling Foundation for Retaining Wall	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																							
M1100	Site Formation & Construction of Explosive Compound Structure	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																							
Natural Terrain Hazard Mitigation Works-1																																																							
A1549	Mobilisation and site clearance	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	456	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	415	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	283	113	0	-57	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																							
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	164	110	-5	-52	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	82	108	-5	-46	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	82	104	-5	-46	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																							
Preparation Works																																																							
A1010	Mobilisation and site clearance	283	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																							
A1020	Construction of Retaining Wall	431	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	431	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	431	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	431	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																							
A1060	Soft ground excavation for Pilot Construction Adit	438	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	438	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																							
Preparation Works																																																							
A1080	Mobilisation and general site clearance	428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																							
A1100	Excavation and slope cutting	471	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	471	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	471	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																							
Preparation Works																																																							
A1130	Mobilisation, general site clearance and levelling	268	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	268	105	0	-57	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	390	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																							
A1160	Erection of working platform for bored pile wall construction	267	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	267	109	0	-57	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	267	115	0	-57	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	267	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	267	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	385	111	0	-60	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C09 Hong Kong Mountaineering Union

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	164	117	-5	-52	3	63	63	63	63	63	63	63	63	63	63	63	63	63	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	375	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	375	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	375	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	375	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	375	113	0	-59	3	57	-	-	-	57	57	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	375	97	0	-59	3	41	-	-	-	-	-	-	-	-	-	-	-	-	41	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	377	109	0	-60	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	437	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	283	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	52	52	52	52	52	52	52	52	52	52	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	437	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	283	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	52	52	52	52	52	52	52	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	283	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	57	57	57	57	57	57
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	267	112	0	-57	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
	Predicted Overall Noise Level in Leq (30-min), dB(A)							64	64	64	65	65	65	65	65	65	65	65	65	65	57	57	57	57	57	57	57	61	61	61	61	61	61	61	61	61	61	62	62	61	61	61	61	61	63	62	62	62	62	63	62	62	62

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C09 Hong Kong Mountaineering Union

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	456	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	415	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	283	113	0	-57	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	164	110	-5	-52	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	82	108	-5	-46	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	82	104	-5	-46	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	283	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	431	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	431	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	431	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	431	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	438	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	438	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	471	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	471	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	471	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	268	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	268	105	0	-57	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	390	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	267	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	267	109	0	-57	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	267	115	0	-57	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	267	110	0	-57	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	267	111	0	-57	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	385	111	0	-60	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C09 Hong Kong Mountaineering Union

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	164	117	-5	-52	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	375	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	375	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	375	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	375	108	0	-59	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	375	113	0	-59	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	375	97	0	-59	3	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	377	109	0	-60	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	437	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	283	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	437	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	283	106	0	-57	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	283	111	0	-57	3	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	267	112	0	-57	3	58	58	58	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							62	62	62	62	61	61	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C10 The Neighbourhood Advice-Action Council Harmony Manor

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																							
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																							
Access Road for Magazine at A Kung Kok Road																																																							
Construction of Temporary Haul Road																																																							
M1010	Mobilisation and site clearance	70	110	0	-45	3	68	68	68	68	68	68	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	70	111	0	-45	3	69	-	-	-	-	-	-	69	69	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	70	111	0	-45	3	69	-	-	-	-	-	-	-	-	69	69	69	69	69	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																							
M1040	Piling Foundation for Retaining Wall	70	116	0	-45	3	74	-	-	-	-	-	-	-	-	-	74	74	74	74	74	74	74	74	74	74	74	74	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	70	113	0	-45	3	71	-	-	-	-	-	-	-	-	-	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	70	117	0	-45	3	75	-	-	-	-	-	-	-	-	-	-	-	75	75	75	75	75	75	75	75	75	75	75	75	75	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	70	110	0	-45	3	68	-	-	-	-	-	-	-	-	-	-	-	-	68	68	68	68	68	68	68	68	68	68	68	68	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	70	108	0	-45	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	66	66	66	66	66	66	66	66	66	66	66	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	70	108	0	-45	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	66	66	66	66	66	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																							
M1100	Site Formation & Construction of Explosive Compound Structure	70	107	0	-45	3	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	65	65	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	70	112	0	-45	3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	70	70	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																							
Natural Terrain Hazard Mitigation Works-1																																																							
A1549	Mobilisation and site clearance	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	880	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																							
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																							
Preparation Works																																																							
A1010	Mobilisation and site clearance	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																							
A1020	Construction of Retaining Wall	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																							
A1060	Soft ground excavation for Pilot Construction Adit	909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																							
Preparation Works																																																							
A1080	Mobilisation and general site clearance	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																							
A1100	Excavation and slope cutting	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																							
Preparation Works																																																							
A1130	Mobilisation, general site clearance and levelling	908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																							
A1160	Erection of working platform for bored pile wall construction	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	903	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C10 The Neighbourhood Advice-Action Council Harmony Manor

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	63	63	63	63	63	63	63	63	63	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	70	106	-5	-45	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	70	107	-5	-45	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	70	111	-5	-45	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	64	64	64	64	64	64	64
A1400	Testing of Diaphragm Wall	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63
A1590	Excavation in Soft Ground (16m depth)	70	108	-5	-45	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	70	114	-10	-45	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	62	62	62	62	62	62	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	70	105	-10	-45	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	878	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	125	120	-10	-50	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	125	111	0	-50	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	Predicted Overall Noise Level in Leq (30-min), dB(A)							68	68	68	68	68	68	69	69	72	**76**	**76**	**79**	**79**	**79**	**79**	**79**	**79**	**80**	**79**	**80**	**80**	**78**	**78**	**78**	**76**	69	50	50	63	63	63	63	63	63	63	66	66	67	65	67	66	66	64	64	64	64	67

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C10 The Neighbourhood Advice-Action Council Harmony Manor

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	70	110	0	-45	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	70	111	0	-45	3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	70	111	0	-45	3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	70	116	0	-45	3	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	70	113	0	-45	3	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	70	117	0	-45	3	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	70	110	0	-45	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	70	108	0	-45	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	70	108	0	-45	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	70	107	0	-45	3	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	70	112	0	-45	3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	880	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	903	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C10 The Neighbourhood Advice-Action Council Harmony Manor

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	70	106	-5	-45	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	70	107	-5	-45	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	70	111	-5	-45	3	64	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	70	110	-5	-45	3	63	63	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	70	108	-5	-45	3	61	-	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	70	110	-5	-45	3	63	-	-	-	63	63	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	70	114	-10	-45	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	70	105	-10	-45	3	53	-	-	-	-	-	53	53	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	878	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	125	120	-10	-50	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	125	111	0	-50	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	64	64	64	64	64	64	64	64	64	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	Predicted Overall Noise Level in Leq (30-min), dB(A)							67	65	62	65	63	64	55	55	50	50	50	50	50	50	63	63	63	63	63	63	63	67	67	67	67	67	67	67	67	67	67	63	63	50	50	50	50	50	50	50	50	50	50	50	50	50

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C10 The Neighbourhood Advice-Action Council Harmony Manor

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	70	110	0	-45	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	70	111	0	-45	3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	70	111	0	-45	3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	70	116	0	-45	3	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	70	113	0	-45	3	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	70	117	0	-45	3	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	70	110	0	-45	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	70	108	0	-45	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	70	108	0	-45	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	70	107	0	-45	3	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	70	112	0	-45	3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	880	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	903	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C10 The Neighbourhood Advice-Action Council Harmony Manor

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	70	106	-5	-45	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	70	107	-5	-45	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	70	111	-5	-45	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	70	108	-5	-45	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	70	114	-10	-45	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	70	105	-10	-45	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	878	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	125	120	-10	-50	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	125	111	0	-50	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	50	50	50	50	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							50	50	50	50	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C11 Shing Mun Springs Rehabilitation Centre

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	183	110	0	-53	3	60	60	60	60	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	183	111	0	-53	3	61	-	-	-	-	-	-	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	183	111	0	-53	3	61	-	-	-	-	-	-	-	-	61	61	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	183	116	0	-53	3	66	-	-	-	-	-	-	-	-	-	66	66	66	66	66	66	66	66	66	66	66	66	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	183	113	0	-53	3	63	-	-	-	-	-	-	-	-	-	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	183	117	0	-53	3	67	-	-	-	-	-	-	-	-	-	-	-	67	67	67	67	67	67	67	67	67	67	67	67	67	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	183	110	0	-53	3	60	-	-	-	-	-	-	-	-	-	-	-	-	60	60	60	60	60	60	60	60	60	60	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	183	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	58	58	58	58	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	183	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	183	107	0	-53	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	183	112	0	-53	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	62	62	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	924	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	895	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	814	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	749	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	749	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	895	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	888	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	888	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	952	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	952	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	938	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	938	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	938	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	865	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	865	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	866	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	865	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C11 Shing Mun Springs Rehabilitation Centre

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	814	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	183	110	-5	-53	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	55	55	55	55	55	55	55	55	55	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	183	106	-5	-53	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	51	51	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	183	107	-5	-53	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	52	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	183	111	-5	-53	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	56	56	56	56	56	56	56
A1400	Testing of Diaphragm Wall	183	110	-5	-53	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55
A1590	Excavation in Soft Ground (16m depth)	183	108	-5	-53	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	183	110	-5	-53	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	183	114	-10	-53	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	54	54	54	54	54	54	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	183	105	-10	-53	3	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	264	120	-10	-56	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	895	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	264	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	895	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	895	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	1111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	1111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	1111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	1111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	1111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	1111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	Predicted Overall Noise Level in Leq (30-min), dB(A)							60	60	60	60	60	60	62	62	64	69	69	71	71	71	71	71	71	71	72	71	72	72	70	70	70	68	61	50	50	56	56	56	56	56	56	56	58	58	60	58	59	59	59	57	57	57	57	59

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C11 Shing Mun Springs Rehabilitation Centre

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	183	110	0	-53	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	183	111	0	-53	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	183	111	0	-53	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	183	116	0	-53	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	183	113	0	-53	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	183	117	0	-53	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	183	110	0	-53	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	183	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	183	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	183	107	0	-53	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	183	112	0	-53	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	924	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	895	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	814	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	749	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	749	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	895	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	888	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	888	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	952	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	952	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	938	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	938	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	938	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	865	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	865	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	866	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	865	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C11 Shing Mun Springs Rehabilitation Centre

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	814	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	183	110	-5	-53	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	183	106	-5	-53	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	183	107	-5	-53	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	183	111	-5	-53	3	56	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	183	110	-5	-53	3	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	183	108	-5	-53	3	53	-	53	53	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	183	110	-5	-53	3	55	-	-	-	55	55	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	183	114	-10	-53	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	183	105	-10	-53	3	45	-	-	-	-	-	45	45	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	264	120	-10	-56	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	895	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	264	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	58	58	58	58	58	58	58	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	895	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	895	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	1111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	1111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	1111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	1111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	1111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	1111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	Predicted Overall Noise Level in Leq (30-min), dB(A)							59	58	55	58	56	56	51	51	50	50	50	50	50	50	57	57	57	57	57	57	57	61	61	61	61	61	61	61	61	61	61	61	57	57	50	50	50	50	50	50	50	50	50	50	50	50

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C11 Shing Mun Springs Rehabilitation Centre

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	183	110	0	-53	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	183	111	0	-53	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	183	111	0	-53	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	183	116	0	-53	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	183	113	0	-53	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	183	117	0	-53	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	183	110	0	-53	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	183	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	183	108	0	-53	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	183	107	0	-53	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	183	112	0	-53	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	924	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	895	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	814	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	749	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	749	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	895	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	888	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	888	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	952	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	952	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	938	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	938	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	938	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	865	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	865	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	866	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	865	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-C11 Shing Mun Springs Rehabilitation Centre

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	814	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	183	110	-5	-53	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	183	106	-5	-53	3	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	183	107	-5	-53	3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	183	111	-5	-53	3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	183	110	-5	-53	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	183	108	-5	-53	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	183	110	-5	-53	3	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	183	114	-10	-53	3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	183	105	-10	-53	3	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	264	120	-10	-56	3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	895	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	264	111	0	-56	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	895	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	895	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	1111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	1111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	1111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	1111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	1111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	1111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	50	50	50	50	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							50	50	50	50	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D01 Seaview Villa

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																							
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																							
Access Road for Magazine at A Kung Kok Road																																																							
Construction of Temporary Haul Road																																																							
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																							
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																							
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																							
Natural Terrain Hazard Mitigation Works-1																																																							
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																							
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																							
Preparation Works																																																							
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																							
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																							
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																							
Preparation Works																																																							
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																							
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																							
Preparation Works																																																							
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																							
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D01 Seaview Villa

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	304	124	0	-58	3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	516	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	209	124	0	-54	3	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	410	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D01 Seaview Villa

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																							
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																							
Access Road for Magazine at A Kung Kok Road																																																							
Construction of Temporary Haul Road																																																							
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																							
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																							
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																							
Natural Terrain Hazard Mitigation Works-1																																																							
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																							
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																							
Preparation Works																																																							
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																							
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																							
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																							
Preparation Works																																																							
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																							
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																							
Preparation Works																																																							
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																							
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D01 Seaview Villa

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	304	124	0	-58	3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	516	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	209	124	0	-54	3	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	410	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D01 Seaview Villa

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D01 Seaview Villa

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	304	124	0	-58	3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69	69	69	69	69	69	69	69	69
A1451	Demolition of existing STSTW	516	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	209	124	0	-54	3	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73	73	73	73	73	73	73	73	73
A1453	Demolition of existing STSTW	410	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
							Predicted Overall Noise Level in Leq (30-min), dB(A)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	75	75	75	75	75	75	75	75

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D02 Kam On Garden

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D02 Kam On Garden

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																						
Cavern Excavation (Drill & Blast)																																																						
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																						
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																						
Preparation Works																																																						
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																						
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																						
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																						
E&M Installation																																																						
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																						
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																						
Administration Buildings and other ancillary facilities construction																																																						
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																						
A1450	Demolition of existing STSTW	418	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	289	124	0	-57	3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	487	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D02 Kam On Garden

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D02 Kam On Garden

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	418	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	289	124	0	-57	3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	487	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D02 Kam On Garden

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D02 Kam On Garden

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	418	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	289	124	0	-57	3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	70	70	70	70	70	70	70	70
A1453	Demolition of existing STSTW	487	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	70	70	70	70	70	70	70	70

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D03 Sha Tin Lookout

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D03 Sha Tin Lookout

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	676	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	269	124	0	-57	3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	539	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D03 Sha Tin Lookout

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D03 Sha Tin Lookout

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	676	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	269	124	0	-57	3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	539	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D03 Sha Tin Lookout

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D03 Sha Tin Lookout

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	676	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	269	124	0	-57	3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	70	70	70	70	70	70	70	70
A1453	Demolition of existing STSTW	539	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	70	70	70	70	70	70	70	70

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D04 Evergreen Villa

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D04 Evergreen Villa

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																						
Cavern Excavation (Drill & Blast)																																																						
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																						
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																						
Preparation Works																																																						
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																						
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																						
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																						
E&M Installation																																																						
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																						
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																						
Administration Buildings and other ancillary facilities construction																																																						
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																						
A1450	Demolition of existing STSTW	402	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	606	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	349	124	0	-59	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	248	124	0	-56	3	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D04 Evergreen Villa

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D04 Evergreen Villa

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	402	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	606	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	349	124	0	-59	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	248	124	0	-56	3	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D04 Evergreen Villa

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D04 Evergreen Villa

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	402	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	606	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	349	124	0	-59	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	68	68	68	68	68	68	68	68
A1453	Demolition of existing STSTW	248	124	0	-56	3	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	71	71	71	71	71	71	71	71	71
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73	73	73	73	73	73	73	73	73

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D05 Racecourse Gardens

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																							
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																							
Access Road for Magazine at A Kung Kok Road																																																							
Construction of Temporary Haul Road																																																							
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																							
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																							
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																							
Natural Terrain Hazard Mitigation Works-1																																																							
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																							
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																							
Preparation Works																																																							
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																							
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																							
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																							
Preparation Works																																																							
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																							
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																							
Preparation Works																																																							
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																							
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D05 Racecourse Gardens

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	684	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	337	124	0	-59	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	422	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D05 Racecourse Gardens

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																							
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																							
Access Road for Magazine at A Kung Kok Road																																																							
Construction of Temporary Haul Road																																																							
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																							
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																							
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																							
Natural Terrain Hazard Mitigation Works-1																																																							
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																							
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																							
Preparation Works																																																							
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																							
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																							
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																							
Preparation Works																																																							
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																							
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																							
Preparation Works																																																							
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																							
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D05 Racecourse Gardens

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	684	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	337	124	0	-59	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	422	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D05 Racecourse Gardens

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D05 Racecourse Gardens

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	684	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	337	124	0	-59	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	68	68	68	68	68	68	68	68
A1453	Demolition of existing STSTW	422	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	68	68	68	68	68	68	68	68

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D06 Kam Tai Court

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D06 Kam Tai Court

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																						
Cavern Excavation (Drill & Blast)																																																						
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																						
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																						
Preparation Works																																																						
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																						
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																						
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																						
E&M Installation																																																						
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																						
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																						
Administration Buildings and other ancillary facilities construction																																																						
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																						
A1450	Demolition of existing STSTW	565	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	385	124	0	-60	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	760	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	618	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D06 Kam Tai Court

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																							
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																							
Access Road for Magazine at A Kung Kok Road																																																							
Construction of Temporary Haul Road																																																							
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																							
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																							
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																							
Natural Terrain Hazard Mitigation Works-1																																																							
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																							
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																							
Preparation Works																																																							
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																							
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																							
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																							
Preparation Works																																																							
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																							
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																							
Preparation Works																																																							
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																							
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D06 Kam Tai Court

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	565	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	385	124	0	-60	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	760	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	618	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D06 Kam Tai Court

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D06 Kam Tai Court

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	565	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	385	124	0	-60	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	67	67	67	67	67	67	67	67
A1452	Demolition of existing STSTW	760	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	618	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	67	67	67	67	67	67	67	67

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																							
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																							
Access Road for Magazine at A Kung Kok Road																																																							
Construction of Temporary Haul Road																																																							
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																							
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																							
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																							
Natural Terrain Hazard Mitigation Works-1																																																							
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																							
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																							
Preparation Works																																																							
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																							
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																							
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																							
Preparation Works																																																							
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																							
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																							
Preparation Works																																																							
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																							
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	345	124	0	-59	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	388	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	754	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	345	124	0	-59	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	388	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	754	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (With the Use of Quiet PME)

NR-D07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	345	124	0	-59	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	68	68	68	68	68	68	68	68
A1451	Demolition of existing STSTW	388	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	754	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	68	68	68	68	68	68	68	68

Predicted Construction Noise Levels due to Haul Roads at Noise Sensitive Receiver

NSR	X	Y	Haul Road	X1	Y1	X2	Y2	Traffic Flow, veh/hr	Traffic Speed, hm/h	PME ref	SWL, dB(A)	SPL, dB(A)	Overall SPL, dB(A)
NR-C01	841095	829392	HR01	840359	829354	840363	829398	158	10	CNP 068	105	38	56
NR-C01	841095	829392	HR02	840363	829398	840383	829412	158	10	CNP 068	105	33	
NR-C01	841095	829392	HR03	840383	829412	840449	829419	158	10	CNP 068	105	32	
NR-C01	841095	829392	HR04	840449	829419	840486	829430	158	10	CNP 068	105	34	
NR-C01	841095	829392	HR05	840486	829430	840613	829513	158	10	CNP 068	105	44	
NR-C01	841095	829392	HR06	840613	829513	840654	829555	158	10	CNP 068	105	43	
NR-C01	841095	829392	HR07	840654	829555	840702	829594	158	10	CNP 068	105	43	
NR-C01	841095	829392	HR08	840702	829594	840717	829595	158	10	CNP 068	105	35	
NR-C01	841095	829392	HR09	840717	829595	840737	829587	158	10	CNP 068	105	31	
NR-C01	841095	829392	HR10	840737	829587	840784	829542	158	10	CNP 068	105	40	
NR-C01	841095	829392	HR11	840784	829542	840724	829480	158	10	CNP 068	105	47	
NR-C01	841095	829392	HR12	840724	829480	840687	829456	316	10	CNP 068	105	45	
NR-C01	841095	829392	HR13	840687	829456	840625	829421	316	10	CNP 068	105	45	
NR-C01	841095	829392	HR14	840625	829421	840640	829392	316	10	CNP 068	105	43	
NR-C01	841095	829392	HR15	840640	829392	840703	829427	316	10	CNP 068	105	45	
NR-C01	841095	829392	HR16	840703	829427	840754	829449	316	10	CNP 068	105	45	
NR-C01	841095	829392	HR17	840754	829449	840780	829445	316	10	CNP 068	105	25	
NR-C01	841095	829392	HR18	840780	829445	840797	829433	316	10	CNP 068	105	42	
NR-C01	841095	829392	HR19	840797	829433	840805	829414	316	10	CNP 068	105	45	
NR-C01	841095	829392	HR20	840721	829482	840704	829497	158	10	CNP 068	105	37	
NR-C01	841095	829392	HR21	840704	829497	840594	829420	158	10	CNP 068	105	46	
NR-C01	841095	829392	HR22	840594	829420	840570	829393	158	10	CNP 068	105	39	
NR-C01	841095	829392	HR23	840570	829393	840549	829385	158	10	CNP 068	105	33	
NR-C01	841095	829392	HR24	840549	829385	840532	829391	158	10	CNP 068	105	32	
NR-C02	841278	829305	HR01	840359	829354	840363	829398	158	10	CNP 068	105	36	53
NR-C02	841278	829305	HR02	840363	829398	840383	829412	158	10	CNP 068	105	32	
NR-C02	841278	829305	HR03	840383	829412	840449	829419	158	10	CNP 068	105	32	
NR-C02	841278	829305	HR04	840449	829419	840486	829430	158	10	CNP 068	105	33	
NR-C02	841278	829305	HR05	840486	829430	840613	829513	158	10	CNP 068	105	42	
NR-C02	841278	829305	HR06	840613	829513	840654	829555	158	10	CNP 068	105	40	
NR-C02	841278	829305	HR07	840654	829555	840702	829594	158	10	CNP 068	105	40	
NR-C02	841278	829305	HR08	840702	829594	840717	829595	158	10	CNP 068	105	32	
NR-C02	841278	829305	HR09	840717	829595	840737	829587	158	10	CNP 068	105	27	
NR-C02	841278	829305	HR10	840737	829587	840784	829542	158	10	CNP 068	105	37	
NR-C02	841278	829305	HR11	840784	829542	840724	829480	158	10	CNP 068	105	43	
NR-C02	841278	829305	HR12	840724	829480	840687	829456	316	10	CNP 068	105	42	
NR-C02	841278	829305	HR13	840687	829456	840625	829421	316	10	CNP 068	105	43	
NR-C02	841278	829305	HR14	840625	829421	840640	829392	316	10	CNP 068	105	40	
NR-C02	841278	829305	HR15	840640	829392	840703	829427	316	10	CNP 068	105	43	
NR-C02	841278	829305	HR16	840703	829427	840754	829449	316	10	CNP 068	105	42	
NR-C02	841278	829305	HR17	840754	829449	840780	829445	316	10	CNP 068	105	32	
NR-C02	841278	829305	HR18	840780	829445	840797	829433	316	10	CNP 068	105	36	
NR-C02	841278	829305	HR19	840797	829433	840805	829414	316	10	CNP 068	105	40	
NR-C02	841278	829305	HR20	840721	829482	840704	829497	158	10	CNP 068	105	33	
NR-C02	841278	829305	HR21	840704	829497	840594	829420	158	10	CNP 068	105	43	
NR-C02	841278	829305	HR22	840594	829420	840570	829393	158	10	CNP 068	105	37	
NR-C02	841278	829305	HR23	840570	829393	840549	829385	158	10	CNP 068	105	32	
NR-C02	841278	829305	HR24	840549	829385	840532	829391	158	10	CNP 068	105	28	
NR-C03	840954	829542	HR01	840359	829354	840363	829398	158	10	CNP 068	105	39	59
NR-C03	840954	829542	HR02	840363	829398	840383	829412	158	10	CNP 068	105	33	
NR-C03	840954	829542	HR03	840383	829412	840449	829419	158	10	CNP 068	105	33	
NR-C03	840954	829542	HR04	840449	829419	840486	829430	158	10	CNP 068	105	27	
NR-C03	840954	829542	HR05	840486	829430	840613	829513	158	10	CNP 068	105	45	
NR-C03	840954	829542	HR06	840613	829513	840654	829555	158	10	CNP 068	105	45	
NR-C03	840954	829542	HR07	840654	829555	840702	829594	158	10	CNP 068	105	47	
NR-C03	840954	829542	HR08	840702	829594	840717	829595	158	10	CNP 068	105	37	
NR-C03	840954	829542	HR09	840717	829595	840737	829587	158	10	CNP 068	105	37	
NR-C03	840954	829542	HR10	840737	829587	840784	829542	158	10	CNP 068	105	49	
NR-C03	840954	829542	HR11	840784	829542	840724	829480	158	10	CNP 068	105	50	
NR-C03	840954	829542	HR12	840724	829480	840687	829456	316	10	CNP 068	105	45	
NR-C03	840954	829542	HR13	840687	829456	840625	829421	316	10	CNP 068	105	43	
NR-C03	840954	829542	HR14	840625	829421	840640	829392	316	10	CNP 068	105	46	
NR-C03	840954	829542	HR15	840640	829392	840703	829427	316	10	CNP 068	105	39	
NR-C03	840954	829542	HR16	840703	829427	840754	829449	316	10	CNP 068	105	37	
NR-C03	840954	829542	HR17	840754	829449	840780	829445	316	10	CNP 068	105	48	
NR-C03	840954	829542	HR18	840780	829445	840797	829433	316	10	CNP 068	105	49	
NR-C03	840954	829542	HR19	840797	829433	840805	829414	316	10	CNP 068	105	49	
NR-C03	840954	829542	HR20	840721	829482	840704	829497	158	10	CNP 068	105	44	
NR-C03	840954	829542	HR21	840704	829497	840594	829420	158	10	CNP 068	105	46	
NR-C03	840954	829542	HR22	840594	829420	840570	829393	158	10	CNP 068	105	39	
NR-C03	840954	829542	HR23	840570	829393	840549	829385	158	10	CNP 068	105	19	
NR-C03	840954	829542	HR24	840549	829385	840532	829391	158	10	CNP 068	105	37	

Appendix 4.10 Predicted Construction Noise Levels under Mitigated Scenario

Predicted Construction Noise Levels due to Haul Roads at Noise Sensitive Receiver

NSR	X	Y	Haul Road	X1	Y1	X2	Y2	Traffic Flow, veh/hr	Traffic Speed, hm/h	PME ref	SWL, dB(A)	SPL, dB(A)	Overall SPL, dB(A)
NR-C04	840915	829562	HR01	840359	829354	840363	829398	158	10	CNP 068	105	40	60
NR-C04	840915	829562	HR02	840363	829398	840383	829412	158	10	CNP 068	105	33	
NR-C04	840915	829562	HR03	840383	829412	840449	829419	158	10	CNP 068	105	35	
NR-C04	840915	829562	HR04	840449	829419	840486	829430	158	10	CNP 068	105	24	
NR-C04	840915	829562	HR05	840486	829430	840613	829513	158	10	CNP 068	105	45	
NR-C04	840915	829562	HR06	840613	829513	840654	829555	158	10	CNP 068	105	46	
NR-C04	840915	829562	HR07	840654	829555	840702	829594	158	10	CNP 068	105	48	
NR-C04	840915	829562	HR08	840702	829594	840717	829595	158	10	CNP 068	105	38	
NR-C04	840915	829562	HR09	840717	829595	840737	829587	158	10	CNP 068	105	40	
NR-C04	840915	829562	HR10	840737	829587	840784	829542	158	10	CNP 068	105	52	
NR-C04	840915	829562	HR11	840784	829542	840724	829480	158	10	CNP 068	105	51	
NR-C04	840915	829562	HR12	840724	829480	840687	829456	316	10	CNP 068	105	43	
NR-C04	840915	829562	HR13	840687	829456	840625	829421	316	10	CNP 068	105	40	
NR-C04	840915	829562	HR14	840625	829421	840640	829392	316	10	CNP 068	105	47	
NR-C04	840915	829562	HR15	840640	829392	840703	829427	316	10	CNP 068	105	38	
NR-C04	840915	829562	HR16	840703	829427	840754	829449	316	10	CNP 068	105	45	
NR-C04	840915	829562	HR17	840754	829449	840780	829445	316	10	CNP 068	105	49	
NR-C04	840915	829562	HR18	840780	829445	840797	829433	316	10	CNP 068	105	50	
NR-C04	840915	829562	HR19	840797	829433	840805	829414	316	10	CNP 068	105	49	
NR-C04	840915	829562	HR20	840721	829482	840704	829497	158	10	CNP 068	105	45	
NR-C04	840915	829562	HR21	840704	829497	840594	829420	158	10	CNP 068	105	45	
NR-C04	840915	829562	HR22	840594	829420	840570	829393	158	10	CNP 068	105	39	
NR-C04	840915	829562	HR23	840570	829393	840549	829385	158	10	CNP 068	105	30	
NR-C04	840915	829562	HR24	840549	829385	840532	829391	158	10	CNP 068	105	38	
NR-C05	841040	829593	HR01	840359	829354	840363	829398	158	10	CNP 068	105	38	55
NR-C05	841040	829593	HR02	840363	829398	840383	829412	158	10	CNP 068	105	31	
NR-C05	841040	829593	HR03	840383	829412	840449	829419	158	10	CNP 068	105	33	
NR-C05	841040	829593	HR04	840449	829419	840486	829430	158	10	CNP 068	105	16	
NR-C05	841040	829593	HR05	840486	829430	840613	829513	158	10	CNP 068	105	42	
NR-C05	841040	829593	HR06	840613	829513	840654	829555	158	10	CNP 068	105	42	
NR-C05	841040	829593	HR07	840654	829555	840702	829594	158	10	CNP 068	105	43	
NR-C05	841040	829593	HR08	840702	829594	840717	829595	158	10	CNP 068	105	30	
NR-C05	841040	829593	HR09	840717	829595	840737	829587	158	10	CNP 068	105	38	
NR-C05	841040	829593	HR10	840737	829587	840784	829542	158	10	CNP 068	105	47	
NR-C05	841040	829593	HR11	840784	829542	840724	829480	158	10	CNP 068	105	46	
NR-C05	841040	829593	HR12	840724	829480	840687	829456	316	10	CNP 068	105	41	
NR-C05	841040	829593	HR13	840687	829456	840625	829421	316	10	CNP 068	105	39	
NR-C05	841040	829593	HR14	840625	829421	840640	829392	316	10	CNP 068	105	44	
NR-C05	841040	829593	HR15	840640	829392	840703	829427	316	10	CNP 068	105	35	
NR-C05	841040	829593	HR16	840703	829427	840754	829449	316	10	CNP 068	105	37	
NR-C05	841040	829593	HR17	840754	829449	840780	829445	316	10	CNP 068	105	44	
NR-C05	841040	829593	HR18	840780	829445	840797	829433	316	10	CNP 068	105	45	
NR-C05	841040	829593	HR19	840797	829433	840805	829414	316	10	CNP 068	105	46	
NR-C05	841040	829593	HR20	840721	829482	840704	829497	158	10	CNP 068	105	41	
NR-C05	841040	829593	HR21	840704	829497	840594	829420	158	10	CNP 068	105	42	
NR-C05	841040	829593	HR22	840594	829420	840570	829393	158	10	CNP 068	105	37	
NR-C05	841040	829593	HR23	840570	829393	840549	829385	158	10	CNP 068	105	24	
NR-C05	841040	829593	HR24	840549	829385	840532	829391	158	10	CNP 068	105	35	
NR-C06	840738	829691	HR01	840359	829354	840363	829398	158	10	CNP 068	105	40	62
NR-C06	840738	829691	HR02	840363	829398	840383	829412	158	10	CNP 068	105	27	
NR-C06	840738	829691	HR03	840383	829412	840449	829419	158	10	CNP 068	105	42	
NR-C06	840738	829691	HR04	840449	829419	840486	829430	158	10	CNP 068	105	40	
NR-C06	840738	829691	HR05	840486	829430	840613	829513	158	10	CNP 068	105	46	
NR-C06	840738	829691	HR06	840613	829513	840654	829555	158	10	CNP 068	105	44	
NR-C06	840738	829691	HR07	840654	829555	840702	829594	158	10	CNP 068	105	51	
NR-C06	840738	829691	HR08	840702	829594	840717	829595	158	10	CNP 068	105	50	
NR-C06	840738	829691	HR09	840717	829595	840737	829587	158	10	CNP 068	105	52	
NR-C06	840738	829691	HR10	840737	829587	840784	829542	158	10	CNP 068	105	53	
NR-C06	840738	829691	HR11	840784	829542	840724	829480	158	10	CNP 068	105	52	
NR-C06	840738	829691	HR12	840724	829480	840687	829456	316	10	CNP 068	105	50	
NR-C06	840738	829691	HR13	840687	829456	840625	829421	316	10	CNP 068	105	50	
NR-C06	840738	829691	HR14	840625	829421	840640	829392	316	10	CNP 068	105	46	
NR-C06	840738	829691	HR15	840640	829392	840703	829427	316	10	CNP 068	105	50	
NR-C06	840738	829691	HR16	840703	829427	840754	829449	316	10	CNP 068	105	51	
NR-C06	840738	829691	HR17	840754	829449	840780	829445	316	10	CNP 068	105	48	
NR-C06	840738	829691	HR18	840780	829445	840797	829433	316	10	CNP 068	105	45	
NR-C06	840738	829691	HR19	840797	829433	840805	829414	316	10	CNP 068	105	38	
NR-C06	840738	829691	HR20	840721	829482	840704	829497	158	10	CNP 068	105	46	
NR-C06	840738	829691	HR21	840704	829497	840594	829420	158	10	CNP 068	105	50	
NR-C06	840738	829691	HR22	840594	829420	840570	829393	158	10	CNP 068	105	38	
NR-C06	840738	829691	HR23	840570	829393	840549	829385	158	10	CNP 068	105	40	
NR-C06	840738	829691	HR24	840549	829385	840532	829391	158	10	CNP 068	105	40	

Predicted Construction Noise Levels due to Haul Roads at Noise Sensitive Receiver

NSR	X	Y	Haul Road	X1	Y1	X2	Y2	Traffic Flow, veh/hr	Traffic Speed, hm/h	PME ref	SWL, dB(A)	SPL, dB(A)	Overall SPL, dB(A)
NR-C07	840725	829712	HR01	840359	829354	840363	829398	158	10	CNP 068	105	40	61
NR-C07	840725	829712	HR02	840363	829398	840383	829412	158	10	CNP 068	105	30	
NR-C07	840725	829712	HR03	840383	829412	840449	829419	158	10	CNP 068	105	42	
NR-C07	840725	829712	HR04	840449	829419	840486	829430	158	10	CNP 068	105	40	
NR-C07	840725	829712	HR05	840486	829430	840613	829513	158	10	CNP 068	105	47	
NR-C07	840725	829712	HR06	840613	829513	840654	829555	158	10	CNP 068	105	45	
NR-C07	840725	829712	HR07	840654	829555	840702	829594	158	10	CNP 068	105	51	
NR-C07	840725	829712	HR08	840702	829594	840717	829595	158	10	CNP 068	105	49	
NR-C07	840725	829712	HR09	840717	829595	840737	829587	158	10	CNP 068	105	50	
NR-C07	840725	829712	HR10	840737	829587	840784	829542	158	10	CNP 068	105	51	
NR-C07	840725	829712	HR11	840784	829542	840724	829480	158	10	CNP 068	105	51	
NR-C07	840725	829712	HR12	840724	829480	840687	829456	316	10	CNP 068	105	50	
NR-C07	840725	829712	HR13	840687	829456	840625	829421	316	10	CNP 068	105	50	
NR-C07	840725	829712	HR14	840625	829421	840640	829392	316	10	CNP 068	105	46	
NR-C07	840725	829712	HR15	840640	829392	840703	829427	316	10	CNP 068	105	50	
NR-C07	840725	829712	HR16	840703	829427	840754	829449	316	10	CNP 068	105	50	
NR-C07	840725	829712	HR17	840754	829449	840780	829445	316	10	CNP 068	105	47	
NR-C07	840725	829712	HR18	840780	829445	840797	829433	316	10	CNP 068	105	44	
NR-C07	840725	829712	HR19	840797	829433	840805	829414	316	10	CNP 068	105	36	
NR-C07	840725	829712	HR20	840721	829482	840704	829497	158	10	CNP 068	105	45	
NR-C07	840725	829712	HR21	840704	829497	840594	829420	158	10	CNP 068	105	50	
NR-C07	840725	829712	HR22	840594	829420	840570	829393	158	10	CNP 068	105	39	
NR-C07	840725	829712	HR23	840570	829393	840549	829385	158	10	CNP 068	105	40	
NR-C07	840725	829712	HR24	840549	829385	840532	829391	158	10	CNP 068	105	40	
NR-C08	840556	829327	HR01	840359	829354	840363	829398	158	10	CNP 068	105	49	65
NR-C08	840556	829327	HR02	840363	829398	840383	829412	158	10	CNP 068	105	46	
NR-C08	840556	829327	HR03	840383	829412	840449	829419	158	10	CNP 068	105	51	
NR-C08	840556	829327	HR04	840449	829419	840486	829430	158	10	CNP 068	105	52	
NR-C08	840556	829327	HR05	840486	829430	840613	829513	158	10	CNP 068	105	57	
NR-C08	840556	829327	HR06	840613	829513	840654	829555	158	10	CNP 068	105	46	
NR-C08	840556	829327	HR07	840654	829555	840702	829594	158	10	CNP 068	105	44	
NR-C08	840556	829327	HR08	840702	829594	840717	829595	158	10	CNP 068	105	40	
NR-C08	840556	829327	HR09	840717	829595	840737	829587	158	10	CNP 068	105	42	
NR-C08	840556	829327	HR10	840737	829587	840784	829542	158	10	CNP 068	105	47	
NR-C08	840556	829327	HR11	840784	829542	840724	829480	158	10	CNP 068	105	37	
NR-C08	840556	829327	HR12	840724	829480	840687	829456	316	10	CNP 068	105	45	
NR-C08	840556	829327	HR13	840687	829456	840625	829421	316	10	CNP 068	105	52	
NR-C08	840556	829327	HR14	840625	829421	840640	829392	316	10	CNP 068	105	56	
NR-C08	840556	829327	HR15	840640	829392	840703	829427	316	10	CNP 068	105	48	
NR-C08	840556	829327	HR16	840703	829427	840754	829449	316	10	CNP 068	105	46	
NR-C08	840556	829327	HR17	840754	829449	840780	829445	316	10	CNP 068	105	46	
NR-C08	840556	829327	HR18	840780	829445	840797	829433	316	10	CNP 068	105	46	
NR-C08	840556	829327	HR19	840797	829433	840805	829414	316	10	CNP 068	105	47	
NR-C08	840556	829327	HR20	840721	829482	840704	829497	158	10	CNP 068	105	46	
NR-C08	840556	829327	HR21	840704	829497	840594	829420	158	10	CNP 068	105	52	
NR-C08	840556	829327	HR22	840594	829420	840570	829393	158	10	CNP 068	105	52	
NR-C08	840556	829327	HR23	840570	829393	840549	829385	158	10	CNP 068	105	56	
NR-C08	840556	829327	HR24	840549	829385	840532	829391	158	10	CNP 068	105	55	
NR-C09	840384	829195	HR01	840359	829354	840363	829398	158	10	CNP 068	105	44	57
NR-C09	840384	829195	HR02	840363	829398	840383	829412	158	10	CNP 068	105	46	
NR-C09	840384	829195	HR03	840383	829412	840449	829419	158	10	CNP 068	105	50	
NR-C09	840384	829195	HR04	840449	829419	840486	829430	158	10	CNP 068	105	46	
NR-C09	840384	829195	HR05	840486	829430	840613	829513	158	10	CNP 068	105	47	
NR-C09	840384	829195	HR06	840613	829513	840654	829555	158	10	CNP 068	105	36	
NR-C09	840384	829195	HR07	840654	829555	840702	829594	158	10	CNP 068	105	37	
NR-C09	840384	829195	HR08	840702	829594	840717	829595	158	10	CNP 068	105	35	
NR-C09	840384	829195	HR09	840717	829595	840737	829587	158	10	CNP 068	105	38	
NR-C09	840384	829195	HR10	840737	829587	840784	829542	158	10	CNP 068	105	43	
NR-C09	840384	829195	HR11	840784	829542	840724	829480	158	10	CNP 068	105	34	
NR-C09	840384	829195	HR12	840724	829480	840687	829456	316	10	CNP 068	105	37	
NR-C09	840384	829195	HR13	840687	829456	840625	829421	316	10	CNP 068	105	43	
NR-C09	840384	829195	HR14	840625	829421	840640	829392	316	10	CNP 068	105	47	
NR-C09	840384	829195	HR15	840640	829392	840703	829427	316	10	CNP 068	105	41	
NR-C09	840384	829195	HR16	840703	829427	840754	829449	316	10	CNP 068	105	40	
NR-C09	840384	829195	HR17	840754	829449	840780	829445	316	10	CNP 068	105	41	
NR-C09	840384	829195	HR18	840780	829445	840797	829433	316	10	CNP 068	105	41	
NR-C09	840384	829195	HR19	840797	829433	840805	829414	316	10	CNP 068	105	41	
NR-C09	840384	829195	HR20	840721	829482	840704	829497	158	10	CNP 068	105	40	
NR-C09	840384	829195	HR21	840704	829497	840594	829420	158	10	CNP 068	105	41	
NR-C09	840384	829195	HR22	840594	829420	840570	829393	158	10	CNP 068	105	30	
NR-C09	840384	829195	HR23	840570	829393	840549	829385	158	10	CNP 068	105	41	
NR-C09	840384	829195	HR24	840549	829385	840532	829391	158	10	CNP 068	105	43	

Appendix 4.10 Predicted Construction Noise Levels under Mitigated Scenario

Predicted Construction Noise Levels due to Haul Roads at Noise Sensitive Receiver

NSR	X	Y	Haul Road	X1	Y1	X2	Y2	Traffic Flow, veh/hr	Traffic Speed, hm/h	PME ref	SWL, dB(A)	SPL, dB(A)	Overall SPL, dB(A)
NR-C10	840597	828460	HR01	840359	829354	840363	829398	158	10	CNP 068	105	31	50
NR-C10	840597	828460	HR02	840363	829398	840383	829412	158	10	CNP 068	105	33	
NR-C10	840597	828460	HR03	840383	829412	840449	829419	158	10	CNP 068	105	37	
NR-C10	840597	828460	HR04	840449	829419	840486	829430	158	10	CNP 068	105	35	
NR-C10	840597	828460	HR05	840486	829430	840613	829513	158	10	CNP 068	105	40	
NR-C10	840597	828460	HR06	840613	829513	840654	829555	158	10	CNP 068	105	34	
NR-C10	840597	828460	HR07	840654	829555	840702	829594	158	10	CNP 068	105	35	
NR-C10	840597	828460	HR08	840702	829594	840717	829595	158	10	CNP 068	105	30	
NR-C10	840597	828460	HR09	840717	829595	840737	829587	158	10	CNP 068	105	31	
NR-C10	840597	828460	HR10	840737	829587	840784	829542	158	10	CNP 068	105	35	
NR-C10	840597	828460	HR11	840784	829542	840724	829480	158	10	CNP 068	105	36	
NR-C10	840597	828460	HR12	840724	829480	840687	829456	316	10	CNP 068	105	37	
NR-C10	840597	828460	HR13	840687	829456	840625	829421	316	10	CNP 068	105	40	
NR-C10	840597	828460	HR14	840625	829421	840640	829392	316	10	CNP 068	105	35	
NR-C10	840597	828460	HR15	840640	829392	840703	829427	316	10	CNP 068	105	40	
NR-C10	840597	828460	HR16	840703	829427	840754	829449	316	10	CNP 068	105	39	
NR-C10	840597	828460	HR17	840754	829449	840780	829445	316	10	CNP 068	105	36	
NR-C10	840597	828460	HR18	840780	829445	840797	829433	316	10	CNP 068	105	35	
NR-C10	840597	828460	HR19	840797	829433	840805	829414	316	10	CNP 068	105	33	
NR-C10	840597	828460	HR20	840721	829482	840704	829497	158	10	CNP 068	105	31	
NR-C10	840597	828460	HR21	840704	829497	840594	829420	158	10	CNP 068	105	39	
NR-C10	840597	828460	HR22	840594	829420	840570	829393	158	10	CNP 068	105	33	
NR-C10	840597	828460	HR23	840570	829393	840549	829385	158	10	CNP 068	105	33	
NR-C10	840597	828460	HR24	840549	829385	840532	829391	158	10	CNP 068	105	32	
NR-C11	840475	828526	HR01	840359	829354	840363	829398	158	10	CNP 068	105	31	50
NR-C11	840475	828526	HR02	840363	829398	840383	829412	158	10	CNP 068	105	33	
NR-C11	840475	828526	HR03	840383	829412	840449	829419	158	10	CNP 068	105	38	
NR-C11	840475	828526	HR04	840449	829419	840486	829430	158	10	CNP 068	105	36	
NR-C11	840475	828526	HR05	840486	829430	840613	829513	158	10	CNP 068	105	40	
NR-C11	840475	828526	HR06	840613	829513	840654	829555	158	10	CNP 068	105	34	
NR-C11	840475	828526	HR07	840654	829555	840702	829594	158	10	CNP 068	105	34	
NR-C11	840475	828526	HR08	840702	829594	840717	829595	158	10	CNP 068	105	30	
NR-C11	840475	828526	HR09	840717	829595	840737	829587	158	10	CNP 068	105	32	
NR-C11	840475	828526	HR10	840737	829587	840784	829542	158	10	CNP 068	105	36	
NR-C11	840475	828526	HR11	840784	829542	840724	829480	158	10	CNP 068	105	35	
NR-C11	840475	828526	HR12	840724	829480	840687	829456	316	10	CNP 068	105	37	
NR-C11	840475	828526	HR13	840687	829456	840625	829421	316	10	CNP 068	105	40	
NR-C11	840475	828526	HR14	840625	829421	840640	829392	316	10	CNP 068	105	36	
NR-C11	840475	828526	HR15	840640	829392	840703	829427	316	10	CNP 068	105	40	
NR-C11	840475	828526	HR16	840703	829427	840754	829449	316	10	CNP 068	105	39	
NR-C11	840475	828526	HR17	840754	829449	840780	829445	316	10	CNP 068	105	36	
NR-C11	840475	828526	HR18	840780	829445	840797	829433	316	10	CNP 068	105	35	
NR-C11	840475	828526	HR19	840797	829433	840805	829414	316	10	CNP 068	105	34	
NR-C11	840475	828526	HR20	840721	829482	840704	829497	158	10	CNP 068	105	32	
NR-C11	840475	828526	HR21	840704	829497	840594	829420	158	10	CNP 068	105	39	
NR-C11	840475	828526	HR22	840594	829420	840570	829393	158	10	CNP 068	105	33	
NR-C11	840475	828526	HR23	840570	829393	840549	829385	158	10	CNP 068	105	33	
NR-C11	840475	828526	HR24	840549	829385	840532	829391	158	10	CNP 068	105	33	

Remarks:

- Construction noise calculation of haul roads are referenced to section F.2.5 of BS5228-1.
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Construction Plant Inventory for NSRs NR-C03, NR-C04 and NR-C07 (with Use of Movable Barrier)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity, dB(A)
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW											
Access Road for Magazine at A Kung Kok Road											
Construction of Temporary Haul Road											
M1010	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	100
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
M1020	Site Formation and Platform Erection for Works Area	excavator	3	50%	BS D3/35	106	-10	-5	-10	98	101
		lorry	3	50%	BS D9/24	104	-10	-5	-10	96	
		dump truck	3	50%	BS D9/24	104	-10	-5	-10	96	
M1030	Formation of Temporary Haul Road (incl temp slope works)	excavator	3	50%	BS D3/35	106	-10	-5	-10	98	101
		lorry	3	50%	BS D9/24	104	-10	-5	-10	96	
		dump truck	3	50%	BS D9/24	104	-10	-5	-10	96	
Construction of Access Road											
M1040	Piling Foundation for Retaining Wall	drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	106
		piling rig	4	50%	BS C3/14	111	-10	0	-10	104	
		water pump	4	50%	CNP 281	88	-10	0	-10	81	
		crawler crane	2	50%	BS D7/112	102	-10	-5	-10	92	
		bar bender and cutter	2	30%	CNP 021	90	-10	-10	-10	78	
		concrete pump	2	50%	BS C4/21	105	-10	-10	-10	95	
		generator	2	100%	CNP 103	95	-10	-10	-10	88	
		concrete lorry mixer	3	50%	BS D6/33	96	-10	-5	-10	88	
		air compressor	2	50%	CNP 003	104	-10	-10	-10	94	
M1050	Permanent Slope Works	excavator	3	50%	BS D3/35	106	-10	-5	-10	98	103
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	3	50%	BS D9/24	104	-10	-5	-10	96	
		drilling rig	3	50%	BS C2/43	102	-10	-10	-10	94	
		grout mixer	3	50%	CNP 105	90	-10	0	-10	82	
		grout pump	3	50%	CNP 106	105	-10	-10	-10	97	
M1060	Retaining Wall & Elevated Section	concrete lorry mixer	4	50%	BS D6/33	96	-10	-5	-10	89	107
		dump truck	4	50%	BS D9/24	104	-10	-5	-10	97	
		excavator	4	50%	BS D3/35	106	-10	-5	-10	99	
		circular saw	4	40%	BS D7/78	106	-10	-5	-10	98	
		crane	4	50%	BS D7/101	94	-10	-5	-10	87	
		poker, vibratory	4	50%	BS D6/40	98	-10	-5	-10	91	
		bar bender and cutter	2	30%	CNP 021	90	-10	-10	-10	78	
		generator	2	100%	CNP 103	95	-10	-10	-10	88	
		breaker (pneumatic)	3	50%	BS C9/12	113	-10	-5	-10	105	
M1070	Soil Backfilling and Compaction	excavator	4	50%	BS D3/35	106	-10	-5	-10	99	100
		roller, vibratory	2	50%	BS C2/39	102	-10	-5	-10	92	
M1080	Permanent Access Road & Other Road Furniture	lorry	2	50%	BS D9/24	104	-10	-5	-10	94	98
		roller, vibratory	1	50%	BS C2/39	102	-10	-5	-10	89	
		poker, vibratory	2	50%	BS D6/40	98	-10	-5	-10	88	
		compactor	1	50%	CNP 050	105	-10	-5	-10	92	
		mobile crane	2	50%	BS D7/101	94	-10	-5	-10	84	
		concrete mixer	1	50%	CNP 046	96	-10	-5	-10	83	
M1090	Remaining Works	lorry	2	50%	BS D9/24	104	-10	-5	-10	94	98
		roller, vibratory	1	50%	BS C2/39	102	-10	-5	-10	89	
		poker, vibratory	2	50%	BS D6/40	98	-10	-5	-10	88	
		compactor	1	50%	CNP 050	105	-10	-5	-10	92	
		mobile crane	2	50%	BS D7/101	94	-10	-5	-10	84	
		concrete mixer	1	50%	CNP 046	96	-10	-5	-10	83	
Construction of Explosive Compound Structure											
M1100	Site Formation & Construction of Explosive Compound Structure	excavator	1	50%	BS D3/35	106	-10	-5	-10	93	97
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		dump truck	1	50%	BS D9/24	104	-10	-5	-10	91	
		roller	1	50%	BS C2/38	101	-10	-5	-10	88	
M1110	E&M Installation for Explosive Compound Structure	air compressor	1	50%	CNP 003	104	-10	-10	-10	91	102
		breaker, hand-held	2	50%	CNP 025	111	-10	-5	-10	101	
		concrete lorry mixer	1	50%	BS D6/33	96	-10	-5	-10	83	
		poker, vibratory	2	50%	BS D6/40	98	-10	-5	-10	88	
		generator	2	100%	CNP 103	95	-10	-10	-10	88	
Main Access Tunnel											
Natural Terrain Hazard Mitigation Works-1											
A1549	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	

Construction Plant Inventory for NSRs NR-C03, NR-C04 and NR-C07 (with Use of Movable Barrier)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity, dB(A)
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1550	NTHS-Construction of Check Dam near East Portal	poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	106
		breaker, hand-held	1	50%	CNP 025	111	0	-5	-5	103	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		compactor	1	50%	CNP 050	105	0	-5	-5	97	
A1560	NTHS-Construction of Check Dam near West Portal	poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	106
		breaker, hand-held	1	50%	CNP 025	111	0	-5	-5	103	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		compactor	1	50%	CNP 050	105	0	-5	-5	97	
A1570	NTHS-Construction of Check Dam near Emergency Portal	poker, vibratory	1	50%	BS D6/40	98	-10	-5	-10	85	102
		breaker, hand-held	1	50%	CNP 025	111	-10	-5	-10	98	
		excavator	1	50%	BS D3/35	106	-10	-5	-10	93	
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		grout mixer	1	50%	CNP 105	90	-10	0	-10	77	
		grout pump	1	50%	CNP 106	105	-10	-10	-10	92	
		concrete lorry mixer	1	50%	BS D6/33	96	-10	-5	-10	83	
		concrete pump	1	50%	BS C4/21	105	-10	-10	-10	92	
		compactor	1	50%	CNP 050	105	-10	-5	-10	92	
A1580	Boulder Fall Fence Construction	poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	110
		breaker, hand-held	1	50%	CNP 025	111	0	-5	-5	103	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		piling rig	1	50%	BS C3/14	111	0	0	0	108	
		bar bender and cutter	1	30%	CNP 021	90	0	-10	-10	75	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
Temporary Road Construction											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	excavator	2	50%	BS D3/35	106	-5	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	-5	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	-5	-5	-5	99	
A2110	Temporary road construction	excavator	1	50%	BS D3/35	106	0	-5	-5	98	103
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		roller	1	50%	BS C2/38	101	0	-5	-5	93	
		concrete mixer	1	50%	CNP 046	96	0	-5	-5	88	
		poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	
A2120	Temporary steel bridge across Ah Kwong Kok Street	crane	1	50%	BS D7/101	94	0	-5	-5	86	103
		hoist	1	50%	CNP 122	95	0	0	0	92	
		Mini piling rig	1	50%	BS C3/17	104	0	0	0	101	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		welder/generator portable	1	50%	BS C3/32	101	0	0	0	98	
Pilot Construction Adit											
Preparation Works											
A1010	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
Site Formation Works of Portal											
A1020	Construction of Retaining Wall	concrete lorry mixer	3	50%	BS D6/33	96	0	-5	-5	93	111
		dump truck	3	50%	BS D9/24	104	0	-5	-5	101	
		excavator	3	50%	BS D3/35	106	0	-5	-5	103	
		circular saw	3	40%	BS D7/78	106	0	-5	-5	102	
		crane	3	50%	BS D7/101	94	0	-5	-5	91	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	2	30%	CNP 021	90	0	-10	-10	78	

Construction Plant Inventory for NSRs NR-C03, NR-C04 and NR-C07 (with Use of Movable Barrier)

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		generator	2	100%	CNP 103	95	0	-10	-10	88	
		breaker (pneumatic)	2	50%	BS C9/12	113	0	-5	-5	108	
A1030	Portal Slope Stabilisation Works	drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	96
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	excavator	1	50%	BS D3/35	106	0	-5	-5	98	110
		excavator with hydraulic breaker	1	40%	BS C1/9	118	0	-5	-5	109	
		hydraulic rock splitter	1	30%	BS C12/2	101	0	0	0	96	
A1050	Drainage provision and surface protection	crane	1	50%	BS D7/101	94	0	-5	-5	86	98
		roller	1	50%	BS C2/38	101	0	-5	-5	93	
		truck	1	50%	BS D9/24	104	0	-5	-5	96	
Excavation of Adit Tunnel											
A1060	Soft ground excavation for Pilot Construction Adit	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	103
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
A1070	Hard ground excavation for Pilot Construction Adit	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	109
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		water pump	1	50%	CNP 281	88	0	0	0	85	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		cherry picker	1	50%	BS C4/54	107	0	0	0	104	
		ventilation fan	1	50%	CNP 241	108	0	0	0	105	
Main Access Tunnel Portal (East)											
Preparation Works											
A1080	Mobilisation and general site clearance	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1090	Diversion of existing utilities	excavator	2	50%	BS D3/35	106	0	-5	-5	101	103
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
Site Formation Works of Portal (East)											
A1100	Excavation and slope cutting	excavator	1	50%	BS D3/35	106	0	-5	-5	98	110
		excavator with hydraulic breaker	1	40%	BS C1/9	118	0	-5	-5	109	
		hydraulic rock splitter	2	30%	BS C12/2	101	0	0	0	99	
A1110	Portal Slope Stabilisation Works	drilling rig	3	50%	BS C2/43	102	0	-10	-10	94	101
		air compressor	3	50%	CNP 003	104	0	-10	-10	96	
		grout mixer	3	50%	CNP 105	90	0	0	0	92	
		grout pump	3	50%	CNP 106	105	0	-10	-10	97	
		generator	3	100%	CNP 103	95	0	-10	-10	90	
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	107
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		crawler crane	2	50%	BS D7/112	102	0	-5	-5	97	
		concrete lorry mixer	2	50%	BS D6/33	96	0	-5	-5	91	
		concrete pump	2	50%	BS C4/21	105	0	-10	-10	95	
		water pump, submersible	3	50%	CNP 283	85	0	0	0	87	
		grout mixer	2	50%	CNP 105	90	0	0	0	90	
		grout pump	2	50%	CNP 106	105	0	-10	-10	95	
Main Access Tunnel Portal (West)											
Preparation Works											
A1130	Mobilisation, general site clearance and levelling	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1140	Diversion of existing utilities	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		mobile crane	1	50%	BS D7/101	94	0	-5	-5	86	
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	excavator	2	50%	BS D3/35	106	0	-5	-5	101	104
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		mobile crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	

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Site Formation Works of Portal (West)											
A1160	Erection of working platform for bored pile wall construction	crane	2	50%	BS D7/101	94	0	-5	-5	89	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
A1170	Pre-drilling for bored pile wall	drilling rig	10	50%	BS C2/43	102	0	-10	-10	99	99
A1180	Bored Piling Works for Cantilever Retaining Wall	crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	113
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		oscillator	1	50%	CNP 165	115	0	0	0	112	
		RCD	1	50%	CNP 166	100	0	0	0	97	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		chisel	1	40%	CNP 164	115	0	-10	-10	101	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		water pump	1	50%	CNP 281	88	0	0	0	85	
		bar bender and cutter	1	30%	CNP 021	90	0	-10	-10	75	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
A1190	Testing for bored piles	grout mixer	4	50%	CNP 105	90	0	0	0	93	101
		grout pump	4	50%	CNP 106	105	0	-10	-10	98	
		drilling rig	4	50%	BS C2/43	102	0	-10	-10	95	
A1191	Capping beam construction for Cantilever Retaining Wall	air compressor	2	50%	CNP 003	104	0	-10	-10	94	105
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	4	30%	CNP 021	90	0	-10	-10	81	
		air blower	4	50%	CNP 006	95	0	0	0	98	
		saw	4	40%	CNP 205	101	0	-5	-5	98	
		mobile crane	2	50%	BS D7/101	94	0	-5	-5	89	
A1200	Excavation and slope cutting	excavator	1	50%	BS D3/35	106	0	-5	-5	98	110
		excavator with hydraulic breaker	1	40%	BS C1/9	118	0	-5	-5	109	
		hydraulic rock splitter	3	30%	BS C12/2	101	0	0	0	101	
A1210	Portal Slope Stabilisation works	drilling rig	4	50%	BS C2/43	102	0	-10	-10	95	109
		air compressor	4	50%	CNP 003	104	0	-10	-10	97	
		grouting machine	4	50%	CNP 106	105	0	0	0	108	
		generator	4	100%	CNP 103	95	0	-10	-10	91	
A1201	Piling works	drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	108
		piling rig	1	50%	BS C3/14	111	0	0	0	108	
		water pump	1	50%	CNP 281	88	0	0	0	85	
		crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	104
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
Cavern Construction											
Cavern Excavation (Drill & Blast)											
A1931	Manuvour and handling of C&D materials in Area 73	excavator	25	50%	BS D3/35	106	0	-5	-5	112	112
Vent Shaft at A Kung Kok Shan											
A1360	Site Formation for Works Area	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	100
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
		roller	2	50%	BS C2/38	101	-10	-5	-10	91	
A1370	Construction of Guide wall	concrete mixer	1	50%	CNP 046	96	-10	-5	-10	83	96
		excavator	1	50%	BS D3/35	106	-10	-5	-10	93	
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		poker, vibratory	1	50%	BS D6/40	98	-10	-5	-10	85	
A1380	Setting up for construction of Diaphragm Wall	excavator	1	50%	BS D3/35	106	-10	-5	-10	93	97
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		dump truck	1	50%	BS D9/24	104	-10	-5	-10	91	
		crane	1	50%	BS D7/101	94	-10	-5	-10	81	

Construction Plant Inventory for NSRs NR-C03, NR-C04 and NR-C07 (with Use of Movable Barrier)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity, dB(A)
A1390	Construction of Diaphragm Wall	pump	2	50%	CNP 281	88	-10	0	-10	78	101
		crane	2	50%	BS D7/101	94	-10	-5	-10	84	
		grab	2	40%	CNP 069	105	-10	-5	-10	94	
		hydrofraise	2	60%	CNP 166	100	-10	0	-10	91	
		concrete mixer	2	50%	CNP 046	96	-10	-5	-10	86	
		generator	3	100%	CNP 103	95	-10	-10	-10	90	
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	
		desander	1	80%	CNP 162	105	-10	-10	-10	94	
A1400	Testing of Diaphragm Wall	grout mixer	4	50%	CNP 105	90	-10	0	-10	83	100
		grout pump	4	50%	CNP 106	105	-10	-10	-10	98	
		drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	
A1590	Excavation in Soft Ground (16m depth)	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	98
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		crane	2	50%	BS D7/101	94	-10	-5	-10	84	
A1591	Setting up for Noise Enclosure	bar bender and cutter	2	30%	CNP 021	90	-10	-10	-10	78	100
		poker, vibratory	3	50%	BS D6/40	98	-10	-5	-10	90	
		air compressor	2	50%	CNP 003	104	-10	-10	-10	94	
		concrete lorry mixer	2	50%	BS D6/33	96	-10	-5	-10	86	
		concrete pump	2	50%	BS C4/21	105	-10	-10	-10	95	
		mobile crane	1	50%	BS D7/101	94	-10	-5	-10	81	
		cherry picker	1	50%	BS C4/54	107	-10	0	-10	94	
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	drilling jumbo	1	50%	BS D10/2	112	-10	-10	-10	99	104
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		dump truck	1	50%	BS D9/24	104	-10	-5	-10	91	
		excavator	1	50%	BS D3/35	106	-10	-5	-10	93	
		air compressor	1	50%	CNP 003	104	-10	-10	-10	91	
		water pump	1	50%	CNP 281	88	-10	0	-10	75	
		generator	1	100%	CNP 103	95	-10	-10	-10	85	
		cherry picker	1	50%	BS C4/54	107	-10	0	-10	94	
		ventilation fan	2	50%	CNP 241	108	-10	0	-10	98	
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	raiseboring rig	1	30%	BS C3/17	104	-10	0	-10	89	95
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
Emergency Access Tunnel Portal											
Preparation Works											
A1240	Mobilisation and general site clearance	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	100
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
Construction Works											
A1260	Erection of working platform for bored pile wall construction	crane	2	50%	BS D7/101	94	-10	-5	-10	84	101
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		excavator	2	50%	BS D3/35	106	-10	-5	-10	96	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
		air compressor	2	50%	CNP 003	104	-10	-10	-10	94	
		hoist	2	50%	CNP 122	95	-10	0	-10	85	
A1270	Pre-drilling for bored pile wall	drilling rig	10	50%	BS C2/43	102	-10	-10	-10	99	99
A1280	Cantilever Retaining Wall	crawler crane	4	50%	BS D7/112	102	-10	-5	-10	95	111
		concrete pump	3	50%	BS C4/21	105	-10	-10	-10	97	
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	
		oscillator	4	50%	CNP 165	115	-10	0	-10	108	
		RCD	4	50%	CNP 166	100	-10	0	-10	93	
		generator	4	100%	CNP 103	95	-10	-10	-10	91	
		chisel	3	40%	CNP 164	115	-10	-10	-10	106	
		concrete lorry mixer	3	50%	BS D6/33	96	-10	-5	-10	88	
		water pump	3	50%	CNP 281	88	-10	0	-10	80	
		bar bender and cutter	3	30%	CNP 021	90	-10	-10	-10	80	
		dump truck	4	50%	BS D9/24	104	-10	-5	-10	97	
A1290	Testing for bored piles	grout mixer	4	50%	CNP 105	90	-10	0	-10	83	100
		grout pump	4	50%	CNP 106	105	-10	-10	-10	98	
		drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	
A1300	Excavation and slope cutting	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	107
		excavator with hydraulic breaker	2	40%	BS C1/9	118	-10	-5	-10	107	
		hydraulic rock splitter	3	30%	BS C12/2	101	-10	0	-10	91	
A1310	Soil backfilling and compaction	excavator	4	50%	BS D3/35	106	-10	-5	-10	99	100
		roller, vibratory	2	50%	BS C2/39	102	-10	-5	-10	92	
A1320	Portal Slope Stabilisation works	drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	102
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	

Construction Plant Inventory for NSRs NR-C03, NR-C04 and NR-C07 (with Use of Movable Barrier)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity, dB(A)
		grouting machine	4	50%	CNP 106	105	-10	0	-10	98	
		generator	4	100%	CNP 103	95	-10	-10	-10	91	
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	104
		lorry	4	50%	BS D9/24	104	-10	-5	-10	97	
		dump truck	4	50%	BS D9/24	104	-10	-5	-10	97	
		excavator	4	50%	BS D3/35	106	-10	-5	-10	99	
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	
Construction of effluent pipeline											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	excavator	1	50%	BS D3/35	106	103	0	0	108	1.99E+10
		drilling rig	1	50%	BS C2/43	102	99	0	0		7.92E+09
		air compressor	1	50%	CNP 003	104	101	0	0		1.26E+10
		grout mixer	1	50%	CNP 105	90	87	0	0		5.00E+08
		grout pump	1	50%	CNP 106	105	102	0	0		1.58E+10
		generator	1	100%	CNP 103	95	95	0	0		3.16E+09
A1940-	Condition survey	excavator	1	50%	BS D3/35	106	103	0	0	108	1.99E+10
		drilling rig	1	50%	BS C2/43	102	99	0	0		7.92E+09
		air compressor	1	50%	CNP 003	104	101	0	0		1.26E+10
		grout mixer	1	50%	CNP 105	90	87	0	0		5.00E+08
		grout pump	1	50%	CNP 106	105	102	0	0		1.58E+10
		generator	1	100%	CNP 103	95	95	0	0		3.16E+09
A1940-	Tunnel strengthening works	excavator	1	50%	BS D3/35	106	103	0	0	108	1.99E+10
		drilling rig	1	50%	BS C2/43	102	99	0	0		7.92E+09
		air compressor	1	50%	CNP 003	104	101	0	0		1.26E+10
		grout mixer	1	50%	CNP 105	90	87	0	0		5.00E+08
		grout pump	1	50%	CNP 106	105	102	0	0		1.58E+10
		generator	1	100%	CNP 103	95	95	0	0		3.16E+09
A1940-	Tunnel strengthening works	excavator	1	50%	BS D3/35	106	103	0	0	108	1.99E+10
		drilling rig	1	50%	BS C2/43	102	99	0	0		7.92E+09
		air compressor	1	50%	CNP 003	104	101	0	0		1.26E+10
		grout mixer	1	50%	CNP 105	90	87	0	0		5.00E+08
		grout pump	1	50%	CNP 106	105	102	0	0		1.58E+10
		generator	1	100%	CNP 103	95	95	0	0		3.16E+09
A1941	Soft ground excavation	drilling jumbo	1	50%	BS D10/2	112	109	0	0	113	7.92E+10
		lorry	1	50%	BS D9/24	104	101	0	0		1.26E+10
		dump truck	1	50%	BS D9/24	104	101	0	0		1.26E+10
		excavator	1	50%	BS D3/35	106	103	0	0		1.99E+10
		cherry picker	1	50%	BS C4/54	107	104	0	0		2.51E+10
		ventilation fan	1	50%	CNP 241	108	105	0	0		3.15E+10
A1943	Set up of micro TBM	crane	1	50%	BS D7/101	94	91	0	0	97	1.26E+09
		generator	1	100%	CNP 103	95	95	0	0		3.16E+09
		pump	1	50%	CNP 281	88	85	0	0		3.15E+08
A1945	Modification of existing inlet chamber and complete connection*	mobile crane	1	50%	BS D7/101	94	91	0	0	109	1.26E+09
		generator	1	100%	CNP 103	95	95	0	0		3.16E+09
		air compressor	1	50%	CNP 003	104	101	0	0		1.26E+10
		breaker	1	50%	BS D8/12	106	103	0	0		1.99E+10
		concrete pump	1	50%	BS C4/21	105	102	0	0		1.58E+10
		poker, vibratory	1	50%	BS D6/40	98	95	0	0		3.15E+09
		saw	1	40%	CNP 205	101	97	0	0		5.04E+09
		lorry	1	50%	BS D9/24	104	101	0	0		1.26E+10
		concrete lorry mixer	1	50%	BS D6/33	96	93	0	0		1.99E+09
Package 2 - Civil and E&M Works and T&C of relocated STSTW											
E&M Installation											
A1690	Construction of civil & builders works of relocated STSTW	excavator	5	50%	BS D3/35	106	-10	-5	-10	100	110
		crawler crane	10	50%	BS D7/112	102	-10	-5	-10	99	
		dump truck	10	50%	BS D9/24	104	-10	-5	-10	101	
		lorry	10	50%	BS D9/24	104	-10	-5	-10	101	
		generator	10	100%	CNP 103	95	-10	-10	-10	95	
		air compressor	10	50%	CNP 003	104	-10	-10	-10	101	
		ventilation fan	6	50%	CNP 241	108	-10	0	-10	103	
		cherry picker	5	50%	BS C4/54	107	-10	0	-10	101	
A1720	Construction of transformer and plant control room at main access tunnel portal area	crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	99
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
A1730	Construction of ventilation building at main access tunnel portal area	air compressor	2	50%	CNP 003	104	0	-10	-10	94	106

Construction Plant Inventory for NSRs NR-C03, NR-C04 and NR-C07 (with Use of Movable Barrier)

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		generator	1	100%	CNP 103	95	0	-10	-10	85	
		breaker	2	50%	BS D8/12	106	0	-5	-5	101	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	4	30%	CNP 021	90	0	-10	-10	81	
		air blower	4	50%	CNP 006	95	0	0	0	98	
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	crane	2	50%	BS D7/101	94	0	-5	-5	89	101
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
A1760	Proposed roadworks and landscaping	excavator	2	50%	BS D3/35	106	0	-5	-5	101	106
		concrete pump	2	50%	BS C4/21	105	0	-10	-10	95	
		poker, vibratory	2	50%	BS D6/40	98	0	-5	-5	93	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		paver	1	50%	BS C5/33	103	0	-5	-5	95	
		roller	4	50%	BS C2/38	101	0	-5	-5	99	
Emergency Outfall Construction											
A1740	Mobilisation of plant and equipment on Site	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1770	Construction of jacking pit at Portal	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1772	Construction of 2nd intermediate pit at Area 73	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1773	Construction of Receiving pit at existing STSTW	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1830	Pipe installation of remaining part and connection to existing submarine outfall	lorry	1	50%	BS D9/24	104	0	-5	-5	96	103
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		concrete mixer	1	50%	CNP 046	96	0	-5	-5	88	

Construction Plant Inventory for NSRs NR-C03, NR-C04 and NR-C07 (with Use of Movable Barrier)

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		crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
Package 3 - Construction of Ancillary Facilities											
Administration Buildings and other ancillary facilities construction											
A1430	Construction of Administration Buildings and other ancillary facilities	air compressor	2	50%	CNP 003	104	0	-10	-10	94	107
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		breaker	2	50%	BS D8/12	106	0	-5	-5	101	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		tower crane	3	30%	CNP 049	95	0	0	0	95	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	4	30%	CNP 021	90	0	-10	-10	81	
		air blower	4	50%	CNP 006	95	0	0	0	98	
		saw	4	40%	CNP 205	101	0	-5	-5	98	
		mobile crane	2	50%	BS D7/101	94	0	-5	-5	89	
Package 4 - Decommissioning and Demolition of Existing STSTW											
A1450	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	
A1451	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	
A1452	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	
A1453	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	

Construction Plant Inventory for NSRs NR-D07 (with Use of Movable Barrier)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity (Calc)
7											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW											
Access Road for Magazine at A Kung Kok Road											
Construction of Temporary Haul Road											
M1010	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	100
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
M1020	Site Formation and Platform Erection for Works Area	excavator	3	50%	BS D3/35	106	-10	-5	-10	98	101
		lorry	3	50%	BS D9/24	104	-10	-5	-10	96	
		dump truck	3	50%	BS D9/24	104	-10	-5	-10	96	
M1030	Formation of Temporary Haul Road (incl temp slope works)	excavator	3	50%	BS D3/35	106	-10	-5	-10	98	101
		lorry	3	50%	BS D9/24	104	-10	-5	-10	96	
		dump truck	3	50%	BS D9/24	104	-10	-5	-10	96	
Construction of Access Road											
M1040	Piling Foundation for Retaining Wall	drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	106
		piling rig	4	50%	BS C3/14	111	-10	0	-10	104	
		water pump	4	50%	CNP 281	88	-10	0	-10	81	
		crawler crane	2	50%	BS D7/112	102	-10	-5	-10	92	
		bar bender and cutter	2	30%	CNP 021	90	-10	-10	-10	78	
		concrete pump	2	50%	BS C4/21	105	-10	-10	-10	95	
		generator	2	100%	CNP 103	95	-10	-10	-10	88	
		concrete lorry mixer	3	50%	BS D6/33	96	-10	-5	-10	88	
		air compressor	2	50%	CNP 003	104	-10	-10	-10	94	
M1050	Permanent Slope Works	excavator	3	50%	BS D3/35	106	-10	-5	-10	98	103
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	3	50%	BS D9/24	104	-10	-5	-10	96	
		drilling rig	3	50%	BS C2/43	102	-10	-10	-10	94	
		grout mixer	3	50%	CNP 105	90	-10	0	-10	82	
		grout pump	3	50%	CNP 106	105	-10	-10	-10	97	
M1060	Retaining Wall & Elevated Section	concrete lorry mixer	4	50%	BS D6/33	96	-10	-5	-10	89	107
		dump truck	4	50%	BS D9/24	104	-10	-5	-10	97	
		excavator	4	50%	BS D3/35	106	-10	-5	-10	99	
		circular saw	4	40%	BS D7/78	106	-10	-5	-10	98	
		crane	4	50%	BS D7/101	94	-10	-5	-10	87	
		poker, vibratory	4	50%	BS D6/40	98	-10	-5	-10	91	
		bar bender and cutter	2	30%	CNP 021	90	-10	-10	-10	78	
		generator	2	100%	CNP 103	95	-10	-10	-10	88	
		breaker (pneumatic)	3	50%	BS C9/12	113	-10	-5	-10	105	
M1070	Soil Backfilling and Compaction	excavator	4	50%	BS D3/35	106	-10	-5	-10	99	100
		roller, vibratory	2	50%	BS C2/39	102	-10	-5	-10	92	
M1080	Permanent Access Road & Other Road Furniture	lorry	2	50%	BS D9/24	104	-10	-5	-10	94	98
		roller, vibratory	1	50%	BS C2/39	102	-10	-5	-10	89	
		poker, vibratory	2	50%	BS D6/40	98	-10	-5	-10	88	
		compactor	1	50%	CNP 050	105	-10	-5	-10	92	
		mobile crane	2	50%	BS D7/101	94	-10	-5	-10	84	
		concrete mixer	1	50%	CNP 046	96	-10	-5	-10	83	
M1090	Remaining Works	lorry	2	50%	BS D9/24	104	-10	-5	-10	94	98
		roller, vibratory	1	50%	BS C2/39	102	-10	-5	-10	89	
		poker, vibratory	2	50%	BS D6/40	98	-10	-5	-10	88	
		compactor	1	50%	CNP 050	105	-10	-5	-10	92	
		mobile crane	2	50%	BS D7/101	94	-10	-5	-10	84	
		concrete mixer	1	50%	CNP 046	96	-10	-5	-10	83	
Construction of Explosive Compound Structure											
M1100	Site Formation & Construction of Explosive Compound Structure	excavator	1	50%	BS D3/35	106	-10	-5	-10	93	97
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		dump truck	1	50%	BS D9/24	104	-10	-5	-10	91	
		roller	1	50%	BS C2/38	101	-10	-5	-10	88	
M1110	E&M Installation for Explosive Compound Structure	air compressor	1	50%	CNP 003	104	-10	-10	-10	91	102
		breaker, hand-held	2	50%	CNP 025	111	-10	-5	-10	101	
		concrete lorry mixer	1	50%	BS D6/33	96	-10	-5	-10	83	
		poker, vibratory	2	50%	BS D6/40	98	-10	-5	-10	88	
		generator	2	100%	CNP 103	95	-10	-10	-10	88	
Main Access Tunnel											
Natural Terrain Hazard Mitigation Works-1											
A1549	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	

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		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1550	NTHS-Construction of Check Dam near East Portal	poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	106
		breaker, hand-held	1	50%	CNP 025	111	0	-5	-5	103	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		compactor	1	50%	CNP 050	105	0	-5	-5	97	
A1560	NTHS-Construction of Check Dam near West Portal	poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	106
		breaker, hand-held	1	50%	CNP 025	111	0	-5	-5	103	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		compactor	1	50%	CNP 050	105	0	-5	-5	97	
A1570	NTHS-Construction of Check Dam near Emergency Portal	poker, vibratory	1	50%	BS D6/40	98	-10	-5	-10	85	102
		breaker, hand-held	1	50%	CNP 025	111	-10	-5	-10	98	
		excavator	1	50%	BS D3/35	106	-10	-5	-10	93	
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		grout mixer	1	50%	CNP 105	90	-10	0	-10	77	
		grout pump	1	50%	CNP 106	105	-10	-10	-10	92	
		concrete lorry mixer	1	50%	BS D6/33	96	-10	-5	-10	83	
		concrete pump	1	50%	BS C4/21	105	-10	-10	-10	92	
		compactor	1	50%	CNP 050	105	-10	-5	-10	92	
A1580	Boulder Fall Fence Construction	poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	110
		breaker, hand-held	1	50%	CNP 025	111	0	-5	-5	103	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		piling rig	1	50%	BS C3/14	111	0	0	0	108	
		bar bender and cutter	1	30%	CNP 021	90	0	-10	-10	75	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
Temporary Road Construction											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	excavator	2	50%	BS D3/35	106	-5	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	-5	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	-5	-5	-5	99	
A2110	Temporary road construction	excavator	1	50%	BS D3/35	106	0	-5	-5	98	103
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		roller	1	50%	BS C2/38	101	0	-5	-5	93	
		concrete mixer	1	50%	CNP 046	96	0	-5	-5	88	
		poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	
A2120	Temporary steel bridge across Ah Kwong Kok Street	crane	1	50%	BS D7/101	94	0	-5	-5	86	103
		hoist	1	50%	CNP 122	95	0	0	0	92	
		Mini piling rig	1	50%	BS C3/17	104	0	0	0	101	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		welder/generator portable	1	50%	BS C3/32	101	0	0	0	98	
Pilot Construction Adit											
Preparation Works											
A1010	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
Site Formation Works of Portal											
A1020	Construction of Retaining Wall	concrete lorry mixer	3	50%	BS D6/33	96	0	-5	-5	93	111
		dump truck	3	50%	BS D9/24	104	0	-5	-5	101	
		excavator	3	50%	BS D3/35	106	0	-5	-5	103	
		circular saw	3	40%	BS D7/78	106	0	-5	-5	102	
		crane	3	50%	BS D7/101	94	0	-5	-5	91	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	2	30%	CNP 021	90	0	-10	-10	78	

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		generator	2	100%	CNP 103	95	0	-10	-10	88	
		breaker (pneumatic)	2	50%	BS C9/12	113	0	-5	-5	108	
A1030	Portal Slope Stabilisation Works	drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	96
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	excavator	1	50%	BS D3/35	106	0	-5	-5	98	110
		excavator with hydraulic breaker	1	40%	BS C1/9	118	0	-5	-5	109	
		hydraulic rock splitter	1	30%	BS C12/2	101	0	0	0	96	
A1050	Drainage provision and surface protection	crane	1	50%	BS D7/101	94	0	-5	-5	86	98
		roller	1	50%	BS C2/38	101	0	-5	-5	93	
		truck	1	50%	BS D9/24	104	0	-5	-5	96	
Excavation of Adit Tunnel											
A1060	Soft ground excavation for Pilot Construction Adit	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	103
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
A1070	Hard ground excavation for Pilot Construction Adit	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	109
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		water pump	1	50%	CNP 281	88	0	0	0	85	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		cherry picker	1	50%	BS C4/54	107	0	0	0	104	
		ventilation fan	1	50%	CNP 241	108	0	0	0	105	
Main Access Tunnel Portal (East)											
Preparation Works											
A1080	Mobilisation and general site clearance	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1090	Diversion of existing utilities	excavator	2	50%	BS D3/35	106	0	-5	-5	101	103
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
Site Formation Works of Portal (East)											
A1100	Excavation and slope cutting	excavator	1	50%	BS D3/35	106	0	-5	-5	98	110
		excavator with hydraulic breaker	1	40%	BS C1/9	118	0	-5	-5	109	
		hydraulic rock splitter	2	30%	BS C12/2	101	0	0	0	99	
A1110	Portal Slope Stabilisation Works	drilling rig	3	50%	BS C2/43	102	0	-10	-10	94	101
		air compressor	3	50%	CNP 003	104	0	-10	-10	96	
		grout mixer	3	50%	CNP 105	90	0	0	0	92	
		grout pump	3	50%	CNP 106	105	0	-10	-10	97	
		generator	3	100%	CNP 103	95	0	-10	-10	90	
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	107
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		crawler crane	2	50%	BS D7/112	102	0	-5	-5	97	
		concrete lorry mixer	2	50%	BS D6/33	96	0	-5	-5	91	
		concrete pump	2	50%	BS C4/21	105	0	-10	-10	95	
		water pump, submersible	3	50%	CNP 283	85	0	0	0	87	
		grout mixer	2	50%	CNP 105	90	0	0	0	90	
		grout pump	2	50%	CNP 106	105	0	-10	-10	95	
Main Access Tunnel Portal (West)											
Preparation Works											
A1130	Mobilisation, general site clearance and levelling	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1140	Diversion of existing utilities	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		mobile crane	1	50%	BS D7/101	94	0	-5	-5	86	
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	excavator	2	50%	BS D3/35	106	0	-5	-5	101	104
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		mobile crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	

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Site Formation Works of Portal (West)											
A1160	Erection of working platform for bored pile wall construction	crane	2	50%	BS D7/101	94	0	-5	-5	89	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
A1170	Pre-drilling for bored pile wall	drilling rig	10	50%	BS C2/43	102	0	-10	-10	99	99
A1180	Bored Piling Works for Cantilever Retaining Wall	crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	113
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		oscillator	1	50%	CNP 165	115	0	0	0	112	
		RCD	1	50%	CNP 166	100	0	0	0	97	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		chisel	1	40%	CNP 164	115	0	-10	-10	101	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		water pump	1	50%	CNP 281	88	0	0	0	85	
		bar bender and cutter	1	30%	CNP 021	90	0	-10	-10	75	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
A1190	Testing for bored piles	grout mixer	4	50%	CNP 105	90	0	0	0	93	101
		grout pump	4	50%	CNP 106	105	0	-10	-10	98	
		drilling rig	4	50%	BS C2/43	102	0	-10	-10	95	
A1191	Capping beam construction for Cantilever Retaining Wall	air compressor	2	50%	CNP 003	104	0	-10	-10	94	105
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	4	30%	CNP 021	90	0	-10	-10	81	
		air blower	4	50%	CNP 006	95	0	0	0	98	
		saw	4	40%	CNP 205	101	0	-5	-5	98	
		mobile crane	2	50%	BS D7/101	94	0	-5	-5	89	
A1200	Excavation and slope cutting	excavator	1	50%	BS D3/35	106	0	-5	-5	98	110
		excavator with hydraulic breaker	1	40%	BS C1/9	118	0	-5	-5	109	
		hydraulic rock splitter	3	30%	BS C12/2	101	0	0	0	101	
A1210	Portal Slope Stabilisation works	drilling rig	4	50%	BS C2/43	102	0	-10	-10	95	109
		air compressor	4	50%	CNP 003	104	0	-10	-10	97	
		grouting machine	4	50%	CNP 106	105	0	0	0	108	
		generator	4	100%	CNP 103	95	0	-10	-10	91	
A1201	Piling works	drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	108
		piling rig	1	50%	BS C3/14	111	0	0	0	108	
		water pump	1	50%	CNP 281	88	0	0	0	85	
		crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	104
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
Cavern Construction											
Cavern Excavation (Drill & Blast)											
A1931	Manuvour and handling of C&D materials in Area 73	excavator	25	50%	BS D3/35	106	0	-5	-5	112	112
Vent Shaft at A Kung Kok Shan											
A1360	Site Formation for Works Area	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	100
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
		roller	2	50%	BS C2/38	101	-10	-5	-10	91	
A1370	Construction of Guide wall	concrete mixer	1	50%	CNP 046	96	-10	-5	-10	83	96
		excavator	1	50%	BS D3/35	106	-10	-5	-10	93	
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		poker, vibratory	1	50%	BS D6/40	98	-10	-5	-10	85	
A1380	Setting up for construction of Diaphragm Wall	excavator	1	50%	BS D3/35	106	-10	-5	-10	93	97
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		dump truck	1	50%	BS D9/24	104	-10	-5	-10	91	
		crane	1	50%	BS D7/101	94	-10	-5	-10	81	

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Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity (Calc)
A1390	Construction of Diaphragm Wall	pump	2	50%	CNP 281	88	-10	0	-10	78	101
		crane	2	50%	BS D7/101	94	-10	-5	-10	84	
		grab	2	40%	CNP 069	105	-10	-5	-10	94	
		hydrofraise	2	60%	CNP 166	100	-10	0	-10	91	
		concrete mixer	2	50%	CNP 046	96	-10	-5	-10	86	
		generator	3	100%	CNP 103	95	-10	-10	-10	90	
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	
		desander	1	80%	CNP 162	105	-10	-10	-10	94	
A1400	Testing of Diaphragm Wall	grout mixer	4	50%	CNP 105	90	-10	0	-10	83	100
		grout pump	4	50%	CNP 106	105	-10	-10	-10	98	
		drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	
A1590	Excavation in Soft Ground (16m depth)	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	98
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		crane	2	50%	BS D7/101	94	-10	-5	-10	84	
A1591	Setting up for Noise Enclosure	bar bender and cutter	2	30%	CNP 021	90	-10	-10	-10	78	100
		poker, vibratory	3	50%	BS D6/40	98	-10	-5	-10	90	
		air compressor	2	50%	CNP 003	104	-10	-10	-10	94	
		concrete lorry mixer	2	50%	BS D6/33	96	-10	-5	-10	86	
		concrete pump	2	50%	BS C4/21	105	-10	-10	-10	95	
		mobile crane	1	50%	BS D7/101	94	-10	-5	-10	81	
		cherry picker	1	50%	BS C4/54	107	-10	0	-10	94	
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	drilling jumbo	1	50%	BS D10/2	112	-10	-10	-10	99	104
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		dump truck	1	50%	BS D9/24	104	-10	-5	-10	91	
		excavator	1	50%	BS D3/35	106	-10	-5	-10	93	
		air compressor	1	50%	CNP 003	104	-10	-10	-10	91	
		water pump	1	50%	CNP 281	88	-10	0	-10	75	
		generator	1	100%	CNP 103	95	-10	-10	-10	85	
		cherry picker	1	50%	BS C4/54	107	-10	0	-10	94	
		ventilation fan	2	50%	CNP 241	108	-10	0	-10	98	
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	raiseboring rig	1	30%	BS C3/17	104	-10	0	-10	89	95
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
Emergency Access Tunnel Portal											
Preparation Works											
A1240	Mobilisation and general site clearance	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	100
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
Construction Works											
A1260	Erection of working platform for bored pile wall construction	crane	2	50%	BS D7/101	94	-10	-5	-10	84	101
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		excavator	2	50%	BS D3/35	106	-10	-5	-10	96	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
		air compressor	2	50%	CNP 003	104	-10	-10	-10	94	
		hoist	2	50%	CNP 122	95	-10	0	-10	85	
A1270	Pre-drilling for bored pile wall	drilling rig	10	50%	BS C2/43	102	-10	-10	-10	99	99
A1280	Cantilever Retaining Wall	crawler crane	4	50%	BS D7/112	102	-10	-5	-10	95	111
		concrete pump	3	50%	BS C4/21	105	-10	-10	-10	97	
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	
		oscillator	4	50%	CNP 165	115	-10	0	-10	108	
		RCD	4	50%	CNP 166	100	-10	0	-10	93	
		generator	4	100%	CNP 103	95	-10	-10	-10	91	
		chisel	3	40%	CNP 164	115	-10	-10	-10	106	
		concrete lorry mixer	3	50%	BS D6/33	96	-10	-5	-10	88	
		water pump	3	50%	CNP 281	88	-10	0	-10	80	
		bar bender and cutter	3	30%	CNP 021	90	-10	-10	-10	80	
		dump truck	4	50%	BS D9/24	104	-10	-5	-10	97	
A1290	Testing for bored piles	grout mixer	4	50%	CNP 105	90	-10	0	-10	83	100
		grout pump	4	50%	CNP 106	105	-10	-10	-10	98	
		drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	
A1300	Excavation and slope cutting	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	107
		excavator with hydraulic breaker	2	40%	BS C1/9	118	-10	-5	-10	107	
		hydraulic rock splitter	3	30%	BS C12/2	101	-10	0	-10	91	
A1310	Soil backfilling and compaction	excavator	4	50%	BS D3/35	106	-10	-5	-10	99	100
		roller, vibratory	2	50%	BS C2/39	102	-10	-5	-10	92	
A1320	Portal Slope Stabilisation works	drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	102
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	

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		grouting machine	4	50%	CNP 106	105	-10	0	-10	98	
		generator	4	100%	CNP 103	95	-10	-10	-10	91	
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	104
		lorry	4	50%	BS D9/24	104	-10	-5	-10	97	
		dump truck	4	50%	BS D9/24	104	-10	-5	-10	97	
		excavator	4	50%	BS D3/35	106	-10	-5	-10	99	
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	
Construction of effluent pipeline											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1940-	Condition survey	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1940-	Tunnel strengthening works	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1940-	Tunnel strengthening works	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1941	Soft ground excavation	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	109
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		cherry picker	1	50%	BS C4/54	107	0	0	0	104	
		ventilation fan	1	50%	CNP 241	108	0	0	0	105	
A1943	Set up of micro TBM	crane	1	50%	BS D7/101	94	0	-5	-5	86	90
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		pump	1	50%	CNP 281	88	0	0	0	85	
A1945	Modification of existing inlet chamber and complete connection*	mobile crane	1	50%	BS D7/101	94	0	-5	-5	86	102
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		breaker	1	50%	BS D8/12	106	0	-5	-5	98	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	
		saw	1	40%	CNP 205	101	0	-5	-5	92	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
Package 2 - Civil and E&M Works and T&C of relocated STSTW											
E&M Installation											
A1690	Construction of civil & builders works of relocated STSTW	excavator	5	50%	BS D3/35	106	-10	-5	-10	100	110
		crawler crane	10	50%	BS D7/112	102	-10	-5	-10	99	
		dump truck	10	50%	BS D9/24	104	-10	-5	-10	101	
		lorry	10	50%	BS D9/24	104	-10	-5	-10	101	
		generator	10	100%	CNP 103	95	-10	-10	-10	95	
		air compressor	10	50%	CNP 003	104	-10	-10	-10	101	
		ventilation fan	6	50%	CNP 241	108	-10	0	-10	103	
		cherry picker	5	50%	BS C4/54	107	-10	0	-10	101	
A1720	Construction of transformer and plant control room at main access tunnel portal area	crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	99
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
A1730	Construction of ventilation building at main access tunnel portal area	air compressor	2	50%	CNP 003	104	0	-10	-10	94	106

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		generator	1	100%	CNP 103	95	0	-10	-10	85	
		breaker	2	50%	BS D8/12	106	0	-5	-5	101	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	4	30%	CNP 021	90	0	-10	-10	81	
		air blower	4	50%	CNP 006	95	0	0	0	98	
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	crane	2	50%	BS D7/101	94	0	-5	-5	89	101
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
A1760	Proposed roadworks and landscaping	excavator	2	50%	BS D3/35	106	0	-5	-5	101	106
		concrete pump	2	50%	BS C4/21	105	0	-10	-10	95	
		poker, vibratory	2	50%	BS D6/40	98	0	-5	-5	93	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		paver	1	50%	BS C5/33	103	0	-5	-5	95	
		roller	4	50%	BS C2/38	101	0	-5	-5	99	
Emergency Outfall Construction											
A1740	Mobilisation of plant and equipment on Site	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1770	Construction of jacking pit at Portal	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1772	Construction of 2nd intermediate pit at Area 73	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1773	Construction of Receiving pit at existing STSTW	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1830	Pipe installation of remaining part and connection to existing submarine outfall	lorry	1	50%	BS D9/24	104	0	-5	-5	96	103
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		concrete mixer	1	50%	CNP 046	96	0	-5	-5	88	

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Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity (Calc)
		crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
Package 3 - Construction of Ancillary Facilities											
Administration Buildings and other ancillary facilities construction											
A1430	Construction of Administration Buildings and other ancillary facilities	air compressor	2	50%	CNP 003	104	0	-10	-10	94	107
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		breaker	2	50%	BS D8/12	106	0	-5	-5	101	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		tower crane	3	30%	CNP 049	95	0	0	0	95	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	4	30%	CNP 021	90	0	-10	-10	81	
		air blower	4	50%	CNP 006	95	0	0	0	98	
		saw	4	40%	CNP 205	101	0	-5	-5	98	
		mobile crane	2	50%	BS D7/101	94	0	-5	-5	89	
Package 4 - Decommissioning and Demolition of Existing STSTW											
A1450	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	
A1451	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	
A1452	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	
A1453	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	

Construction Plant Inventory for NSRs NR-D07 (with Use of Movable Barrier)

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7											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW											
Access Road for Magazine at A Kung Kok Road											
Construction of Temporary Haul Road											
M1010	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	100
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
M1020	Site Formation and Platform Erection for Works Area	excavator	3	50%	BS D3/35	106	-10	-5	-10	98	101
		lorry	3	50%	BS D9/24	104	-10	-5	-10	96	
		dump truck	3	50%	BS D9/24	104	-10	-5	-10	96	
M1030	Formation of Temporary Haul Road (incl temp slope works)	excavator	3	50%	BS D3/35	106	-10	-5	-10	98	101
		lorry	3	50%	BS D9/24	104	-10	-5	-10	96	
		dump truck	3	50%	BS D9/24	104	-10	-5	-10	96	
Construction of Access Road											
M1040	Piling Foundation for Retaining Wall	drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	106
		piling rig	4	50%	BS C3/14	111	-10	0	-10	104	
		water pump	4	50%	CNP 281	88	-10	0	-10	81	
		crawler crane	2	50%	BS D7/112	102	-10	-5	-10	92	
		bar bender and cutter	2	30%	CNP 021	90	-10	-10	-10	78	
		concrete pump	2	50%	BS C4/21	105	-10	-10	-10	95	
		generator	2	100%	CNP 103	95	-10	-10	-10	88	
		concrete lorry mixer	3	50%	BS D6/33	96	-10	-5	-10	88	
		air compressor	2	50%	CNP 003	104	-10	-10	-10	94	
M1050	Permanent Slope Works	excavator	3	50%	BS D3/35	106	-10	-5	-10	98	103
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	3	50%	BS D9/24	104	-10	-5	-10	96	
		drilling rig	3	50%	BS C2/43	102	-10	-10	-10	94	
		grout mixer	3	50%	CNP 105	90	-10	0	-10	82	
		grout pump	3	50%	CNP 106	105	-10	-10	-10	97	
M1060	Retaining Wall & Elevated Section	concrete lorry mixer	4	50%	BS D6/33	96	-10	-5	-10	89	107
		dump truck	4	50%	BS D9/24	104	-10	-5	-10	97	
		excavator	4	50%	BS D3/35	106	-10	-5	-10	99	
		circular saw	4	40%	BS D7/78	106	-10	-5	-10	98	
		crane	4	50%	BS D7/101	94	-10	-5	-10	87	
		poker, vibratory	4	50%	BS D6/40	98	-10	-5	-10	91	
		bar bender and cutter	2	30%	CNP 021	90	-10	-10	-10	78	
		generator	2	100%	CNP 103	95	-10	-10	-10	88	
		breaker (pneumatic)	3	50%	BS C9/12	113	-10	-5	-10	105	
M1070	Soil Backfilling and Compaction	excavator	4	50%	BS D3/35	106	-10	-5	-10	99	100
		roller, vibratory	2	50%	BS C2/39	102	-10	-5	-10	92	
M1080	Permanent Access Road & Other Road Furniture	lorry	2	50%	BS D9/24	104	-10	-5	-10	94	98
		roller, vibratory	1	50%	BS C2/39	102	-10	-5	-10	89	
		poker, vibratory	2	50%	BS D6/40	98	-10	-5	-10	88	
		compactor	1	50%	CNP 050	105	-10	-5	-10	92	
		mobile crane	2	50%	BS D7/101	94	-10	-5	-10	84	
		concrete mixer	1	50%	CNP 046	96	-10	-5	-10	83	
M1090	Remaining Works	lorry	2	50%	BS D9/24	104	-10	-5	-10	94	98
		roller, vibratory	1	50%	BS C2/39	102	-10	-5	-10	89	
		poker, vibratory	2	50%	BS D6/40	98	-10	-5	-10	88	
		compactor	1	50%	CNP 050	105	-10	-5	-10	92	
		mobile crane	2	50%	BS D7/101	94	-10	-5	-10	84	
		concrete mixer	1	50%	CNP 046	96	-10	-5	-10	83	
Construction of Explosive Compound Structure											
M1100	Site Formation & Construction of Explosive Compound Structure	excavator	1	50%	BS D3/35	106	-10	-5	-10	93	97
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		dump truck	1	50%	BS D9/24	104	-10	-5	-10	91	
		roller	1	50%	BS C2/38	101	-10	-5	-10	88	
M1110	E&M Installation for Explosive Compound Structure	air compressor	1	50%	CNP 003	104	-10	-10	-10	91	102
		breaker, hand-held	2	50%	CNP 025	111	-10	-5	-10	101	
		concrete lorry mixer	1	50%	BS D6/33	96	-10	-5	-10	83	
		poker, vibratory	2	50%	BS D6/40	98	-10	-5	-10	88	
		generator	2	100%	CNP 103	95	-10	-10	-10	88	
Main Access Tunnel											
Natural Terrain Hazard Mitigation Works-1											
A1549	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	

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		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1550	NTHS-Construction of Check Dam near East Portal	poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	106
		breaker, hand-held	1	50%	CNP 025	111	0	-5	-5	103	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		compactor	1	50%	CNP 050	105	0	-5	-5	97	
A1560	NTHS-Construction of Check Dam near West Portal	poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	106
		breaker, hand-held	1	50%	CNP 025	111	0	-5	-5	103	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		compactor	1	50%	CNP 050	105	0	-5	-5	97	
A1570	NTHS-Construction of Check Dam near Emergency Portal	poker, vibratory	1	50%	BS D6/40	98	-10	-5	-10	85	102
		breaker, hand-held	1	50%	CNP 025	111	-10	-5	-10	98	
		excavator	1	50%	BS D3/35	106	-10	-5	-10	93	
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		grout mixer	1	50%	CNP 105	90	-10	0	-10	77	
		grout pump	1	50%	CNP 106	105	-10	-10	-10	92	
		concrete lorry mixer	1	50%	BS D6/33	96	-10	-5	-10	83	
		concrete pump	1	50%	BS C4/21	105	-10	-10	-10	92	
		compactor	1	50%	CNP 050	105	-10	-5	-10	92	
A1580	Boulder Fall Fence Construction	poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	110
		breaker, hand-held	1	50%	CNP 025	111	0	-5	-5	103	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		piling rig	1	50%	BS C3/14	111	0	0	0	108	
		bar bender and cutter	1	30%	CNP 021	90	0	-10	-10	75	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
Temporary Road Construction											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	excavator	2	50%	BS D3/35	106	-5	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	-5	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	-5	-5	-5	99	
A2110	Temporary road construction	excavator	1	50%	BS D3/35	106	0	-5	-5	98	103
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		roller	1	50%	BS C2/38	101	0	-5	-5	93	
		concrete mixer	1	50%	CNP 046	96	0	-5	-5	88	
		poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	
A2120	Temporary steel bridge across Ah Kwong Kok Street	crane	1	50%	BS D7/101	94	0	-5	-5	86	103
		hoist	1	50%	CNP 122	95	0	0	0	92	
		Mini piling rig	1	50%	BS C3/17	104	0	0	0	101	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		welder/generator portable	1	50%	BS C3/32	101	0	0	0	98	
Pilot Construction Adit											
Preparation Works											
A1010	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
Site Formation Works of Portal											
A1020	Construction of Retaining Wall	concrete lorry mixer	3	50%	BS D6/33	96	0	-5	-5	93	111
		dump truck	3	50%	BS D9/24	104	0	-5	-5	101	
		excavator	3	50%	BS D3/35	106	0	-5	-5	103	
		circular saw	3	40%	BS D7/78	106	0	-5	-5	102	
		crane	3	50%	BS D7/101	94	0	-5	-5	91	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	2	30%	CNP 021	90	0	-10	-10	78	

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		generator	2	100%	CNP 103	95	0	-10	-10	88	
		breaker (pneumatic)	2	50%	BS C9/12	113	0	-5	-5	108	
A1030	Portal Slope Stabilisation Works	drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	96
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	excavator	1	50%	BS D3/35	106	0	-5	-5	98	110
		excavator with hydraulic breaker	1	40%	BS C1/9	118	0	-5	-5	109	
		hydraulic rock splitter	1	30%	BS C12/2	101	0	0	0	96	
A1050	Drainage provision and surface protection	crane	1	50%	BS D7/101	94	0	-5	-5	86	98
		roller	1	50%	BS C2/38	101	0	-5	-5	93	
		truck	1	50%	BS D9/24	104	0	-5	-5	96	
Excavation of Adit Tunnel											
A1060	Soft ground excavation for Pilot Construction Adit	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	103
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
A1070	Hard ground excavation for Pilot Construction Adit	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	109
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		water pump	1	50%	CNP 281	88	0	0	0	85	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		cherry picker	1	50%	BS C4/54	107	0	0	0	104	
		ventilation fan	1	50%	CNP 241	108	0	0	0	105	
Main Access Tunnel Portal (East)											
Preparation Works											
A1080	Mobilisation and general site clearance	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1090	Diversion of existing utilities	excavator	2	50%	BS D3/35	106	0	-5	-5	101	103
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
Site Formation Works of Portal (East)											
A1100	Excavation and slope cutting	excavator	1	50%	BS D3/35	106	0	-5	-5	98	110
		excavator with hydraulic breaker	1	40%	BS C1/9	118	0	-5	-5	109	
		hydraulic rock splitter	2	30%	BS C12/2	101	0	0	0	99	
A1110	Portal Slope Stabilisation Works	drilling rig	3	50%	BS C2/43	102	0	-10	-10	94	101
		air compressor	3	50%	CNP 003	104	0	-10	-10	96	
		grout mixer	3	50%	CNP 105	90	0	0	0	92	
		grout pump	3	50%	CNP 106	105	0	-10	-10	97	
		generator	3	100%	CNP 103	95	0	-10	-10	90	
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	107
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		crawler crane	2	50%	BS D7/112	102	0	-5	-5	97	
		concrete lorry mixer	2	50%	BS D6/33	96	0	-5	-5	91	
		concrete pump	2	50%	BS C4/21	105	0	-10	-10	95	
		water pump, submersible	3	50%	CNP 283	85	0	0	0	87	
		grout mixer	2	50%	CNP 105	90	0	0	0	90	
		grout pump	2	50%	CNP 106	105	0	-10	-10	95	
Main Access Tunnel Portal (West)											
Preparation Works											
A1130	Mobilisation, general site clearance and levelling	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1140	Diversion of existing utilities	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		mobile crane	1	50%	BS D7/101	94	0	-5	-5	86	
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	excavator	2	50%	BS D3/35	106	0	-5	-5	101	104
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		mobile crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	

Construction Plant Inventory for NSRs NR-D07 (with Use of Movable Barrier)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity (Calc)
Site Formation Works of Portal (West)											
A1160	Erection of working platform for bored pile wall construction	crane	2	50%	BS D7/101	94	0	-5	-5	89	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
A1170	Pre-drilling for bored pile wall	drilling rig	10	50%	BS C2/43	102	0	-10	-10	99	99
A1180	Bored Piling Works for Cantilever Retaining Wall	crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	113
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		oscillator	1	50%	CNP 165	115	0	0	0	112	
		RCD	1	50%	CNP 166	100	0	0	0	97	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		chisel	1	40%	CNP 164	115	0	-10	-10	101	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		water pump	1	50%	CNP 281	88	0	0	0	85	
		bar bender and cutter	1	30%	CNP 021	90	0	-10	-10	75	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
A1190	Testing for bored piles	grout mixer	4	50%	CNP 105	90	0	0	0	93	101
		grout pump	4	50%	CNP 106	105	0	-10	-10	98	
		drilling rig	4	50%	BS C2/43	102	0	-10	-10	95	
A1191	Capping beam construction for Cantilever Retaining Wall	air compressor	2	50%	CNP 003	104	0	-10	-10	94	105
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	4	30%	CNP 021	90	0	-10	-10	81	
		air blower	4	50%	CNP 006	95	0	0	0	98	
		saw	4	40%	CNP 205	101	0	-5	-5	98	
		mobile crane	2	50%	BS D7/101	94	0	-5	-5	89	
A1200	Excavation and slope cutting	excavator	1	50%	BS D3/35	106	0	-5	-5	98	110
		excavator with hydraulic breaker	1	40%	BS C1/9	118	0	-5	-5	109	
		hydraulic rock splitter	3	30%	BS C12/2	101	0	0	0	101	
A1210	Portal Slope Stabilisation works	drilling rig	4	50%	BS C2/43	102	0	-10	-10	95	109
		air compressor	4	50%	CNP 003	104	0	-10	-10	97	
		grouting machine	4	50%	CNP 106	105	0	0	0	108	
		generator	4	100%	CNP 103	95	0	-10	-10	91	
A1201	Piling works	drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	108
		piling rig	1	50%	BS C3/14	111	0	0	0	108	
		water pump	1	50%	CNP 281	88	0	0	0	85	
		crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	104
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
Cavern Construction											
Cavern Excavation (Drill & Blast)											
A1931	Manuvour and handling of C&D materials in Area 73	excavator	25	50%	BS D3/35	106	0	-5	-5	112	112
Vent Shaft at A Kung Kok Shan											
A1360	Site Formation for Works Area	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	100
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
		roller	2	50%	BS C2/38	101	-10	-5	-10	91	
A1370	Construction of Guide wall	concrete mixer	1	50%	CNP 046	96	-10	-5	-10	83	96
		excavator	1	50%	BS D3/35	106	-10	-5	-10	93	
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		poker, vibratory	1	50%	BS D6/40	98	-10	-5	-10	85	
A1380	Setting up for construction of Diaphragm Wall	excavator	1	50%	BS D3/35	106	-10	-5	-10	93	97
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		dump truck	1	50%	BS D9/24	104	-10	-5	-10	91	
		crane	1	50%	BS D7/101	94	-10	-5	-10	81	

Construction Plant Inventory for NSRs NR-D07 (with Use of Movable Barrier)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity (Calc)
A1390	Construction of Diaphragm Wall	pump	2	50%	CNP 281	88	-10	0	-10	78	101
		crane	2	50%	BS D7/101	94	-10	-5	-10	84	
		grab	2	40%	CNP 069	105	-10	-5	-10	94	
		hydrofraise	2	60%	CNP 166	100	-10	0	-10	91	
		concrete mixer	2	50%	CNP 046	96	-10	-5	-10	86	
		generator	3	100%	CNP 103	95	-10	-10	-10	90	
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	
		desander	1	80%	CNP 162	105	-10	-10	-10	94	
A1400	Testing of Diaphragm Wall	grout mixer	4	50%	CNP 105	90	-10	0	-10	83	100
		grout pump	4	50%	CNP 106	105	-10	-10	-10	98	
		drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	
A1590	Excavation in Soft Ground (16m depth)	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	98
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		crane	2	50%	BS D7/101	94	-10	-5	-10	84	
A1591	Setting up for Noise Enclosure	bar bender and cutter	2	30%	CNP 021	90	-10	-10	-10	78	100
		poker, vibratory	3	50%	BS D6/40	98	-10	-5	-10	90	
		air compressor	2	50%	CNP 003	104	-10	-10	-10	94	
		concrete lorry mixer	2	50%	BS D6/33	96	-10	-5	-10	86	
		concrete pump	2	50%	BS C4/21	105	-10	-10	-10	95	
		mobile crane	1	50%	BS D7/101	94	-10	-5	-10	81	
		cherry picker	1	50%	BS C4/54	107	-10	0	-10	94	
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	drilling jumbo	1	50%	BS D10/2	112	-10	-10	-10	99	104
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		dump truck	1	50%	BS D9/24	104	-10	-5	-10	91	
		excavator	1	50%	BS D3/35	106	-10	-5	-10	93	
		air compressor	1	50%	CNP 003	104	-10	-10	-10	91	
		water pump	1	50%	CNP 281	88	-10	0	-10	75	
		generator	1	100%	CNP 103	95	-10	-10	-10	85	
		cherry picker	1	50%	BS C4/54	107	-10	0	-10	94	
		ventilation fan	2	50%	CNP 241	108	-10	0	-10	98	
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	raiseboring rig	1	30%	BS C3/17	104	-10	0	-10	89	95
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
Emergency Access Tunnel Portal											
Preparation Works											
A1240	Mobilisation and general site clearance	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	100
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
Construction Works											
A1260	Erection of working platform for bored pile wall construction	crane	2	50%	BS D7/101	94	-10	-5	-10	84	101
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		excavator	2	50%	BS D3/35	106	-10	-5	-10	96	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
		air compressor	2	50%	CNP 003	104	-10	-10	-10	94	
		hoist	2	50%	CNP 122	95	-10	0	-10	85	
A1270	Pre-drilling for bored pile wall	drilling rig	10	50%	BS C2/43	102	-10	-10	-10	99	99
A1280	Cantilever Retaining Wall	crawler crane	4	50%	BS D7/112	102	-10	-5	-10	95	111
		concrete pump	3	50%	BS C4/21	105	-10	-10	-10	97	
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	
		oscillator	4	50%	CNP 165	115	-10	0	-10	108	
		RCD	4	50%	CNP 166	100	-10	0	-10	93	
		generator	4	100%	CNP 103	95	-10	-10	-10	91	
		chisel	3	40%	CNP 164	115	-10	-10	-10	106	
		concrete lorry mixer	3	50%	BS D6/33	96	-10	-5	-10	88	
		water pump	3	50%	CNP 281	88	-10	0	-10	80	
		bar bender and cutter	3	30%	CNP 021	90	-10	-10	-10	80	
		dump truck	4	50%	BS D9/24	104	-10	-5	-10	97	
A1290	Testing for bored piles	grout mixer	4	50%	CNP 105	90	-10	0	-10	83	100
		grout pump	4	50%	CNP 106	105	-10	-10	-10	98	
		drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	
A1300	Excavation and slope cutting	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	107
		excavator with hydraulic breaker	2	40%	BS C1/9	118	-10	-5	-10	107	
		hydraulic rock splitter	3	30%	BS C12/2	101	-10	0	-10	91	
A1310	Soil backfilling and compaction	excavator	4	50%	BS D3/35	106	-10	-5	-10	99	100
		roller, vibratory	2	50%	BS C2/39	102	-10	-5	-10	92	
A1320	Portal Slope Stabilisation works	drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	102
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	

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		grouting machine	4	50%	CNP 106	105	-10	0	-10	98	
		generator	4	100%	CNP 103	95	-10	-10	-10	91	
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	104
		lorry	4	50%	BS D9/24	104	-10	-5	-10	97	
		dump truck	4	50%	BS D9/24	104	-10	-5	-10	97	
		excavator	4	50%	BS D3/35	106	-10	-5	-10	99	
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	
Construction of effluent pipeline											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1940-	Condition survey	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1940-	Tunnel strengthening works	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1940-	Tunnel strengthening works	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1941	Soft ground excavation	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	109
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		cherry picker	1	50%	BS C4/54	107	0	0	0	104	
		ventilation fan	1	50%	CNP 241	108	0	0	0	105	
A1943	Set up of micro TBM	crane	1	50%	BS D7/101	94	0	-5	-5	86	90
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		pump	1	50%	CNP 281	88	0	0	0	85	
A1945	Modification of existing inlet chamber and complete connection*	mobile crane	1	50%	BS D7/101	94	0	-5	-5	86	102
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		breaker	1	50%	BS D8/12	106	0	-5	-5	98	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	
		saw	1	40%	CNP 205	101	0	-5	-5	92	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
Package 2 - Civil and E&M Works and T&C of relocated STSTW											
E&M Installation											
A1690	Construction of civil & builders works of relocated STSTW	excavator	5	50%	BS D3/35	106	-10	-5	-10	100	110
		crawler crane	10	50%	BS D7/112	102	-10	-5	-10	99	
		dump truck	10	50%	BS D9/24	104	-10	-5	-10	101	
		lorry	10	50%	BS D9/24	104	-10	-5	-10	101	
		generator	10	100%	CNP 103	95	-10	-10	-10	95	
		air compressor	10	50%	CNP 003	104	-10	-10	-10	101	
		ventilation fan	6	50%	CNP 241	108	-10	0	-10	103	
		cherry picker	5	50%	BS C4/54	107	-10	0	-10	101	
A1720	Construction of transformer and plant control room at main access tunnel portal area	crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	99
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
A1730	Construction of ventilation building at main access tunnel portal area	air compressor	2	50%	CNP 003	104	0	-10	-10	94	106

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		generator	1	100%	CNP 103	95	0	-10	-10	85	
		breaker	2	50%	BS D8/12	106	0	-5	-5	101	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	4	30%	CNP 021	90	0	-10	-10	81	
		air blower	4	50%	CNP 006	95	0	0	0	98	
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	crane	2	50%	BS D7/101	94	0	-5	-5	89	101
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
A1760	Proposed roadworks and landscaping	excavator	2	50%	BS D3/35	106	0	-5	-5	101	106
		concrete pump	2	50%	BS C4/21	105	0	-10	-10	95	
		poker, vibratory	2	50%	BS D6/40	98	0	-5	-5	93	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		paver	1	50%	BS C5/33	103	0	-5	-5	95	
		roller	4	50%	BS C2/38	101	0	-5	-5	99	
Emergency Outfall Construction											
A1740	Mobilisation of plant and equipment on Site	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1770	Construction of jacking pit at Portal	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1772	Construction of 2nd intermediate pit at Area 73	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1773	Construction of Receiving pit at existing STSTW	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1830	Pipe installation of remaining part and connection to existing submarine outfall	lorry	1	50%	BS D9/24	104	0	-5	-5	96	103
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		concrete mixer	1	50%	CNP 046	96	0	-5	-5	88	

Construction Plant Inventory for NSRs NR-D07 (with Use of Movable Barrier)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity (Calc)
		crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
Package 3 - Construction of Ancillary Facilities											
Administration Buildings and other ancillary facilities construction											
A1430	Construction of Administration Buildings and other ancillary facilities	air compressor	2	50%	CNP 003	104	0	-10	-10	94	107
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		breaker	2	50%	BS D8/12	106	0	-5	-5	101	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		tower crane	3	30%	CNP 049	95	0	0	0	95	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	4	30%	CNP 021	90	0	-10	-10	81	
		air blower	4	50%	CNP 006	95	0	0	0	98	
		saw	4	40%	CNP 205	101	0	-5	-5	98	
		mobile crane	2	50%	BS D7/101	94	0	-5	-5	89	
Package 4 - Decommissioning and Demolition of Existing STSTW											
A1450	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	
A1451	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	
A1452	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	
A1453	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	

Construction Plant Inventory for NSRs NR-D07 (with Use of Movable Barrier)

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7											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW											
Access Road for Magazine at A Kung Kok Road											
Construction of Temporary Haul Road											
M1010	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	100
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
M1020	Site Formation and Platform Erection for Works Area	excavator	3	50%	BS D3/35	106	-10	-5	-10	98	101
		lorry	3	50%	BS D9/24	104	-10	-5	-10	96	
		dump truck	3	50%	BS D9/24	104	-10	-5	-10	96	
M1030	Formation of Temporary Haul Road (incl temp slope works)	excavator	3	50%	BS D3/35	106	-10	-5	-10	98	101
		lorry	3	50%	BS D9/24	104	-10	-5	-10	96	
		dump truck	3	50%	BS D9/24	104	-10	-5	-10	96	
Construction of Access Road											
M1040	Piling Foundation for Retaining Wall	drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	106
		piling rig	4	50%	BS C3/14	111	-10	0	-10	104	
		water pump	4	50%	CNP 281	88	-10	0	-10	81	
		crawler crane	2	50%	BS D7/112	102	-10	-5	-10	92	
		bar bender and cutter	2	30%	CNP 021	90	-10	-10	-10	78	
		concrete pump	2	50%	BS C4/21	105	-10	-10	-10	95	
		generator	2	100%	CNP 103	95	-10	-10	-10	88	
		concrete lorry mixer	3	50%	BS D6/33	96	-10	-5	-10	88	
		air compressor	2	50%	CNP 003	104	-10	-10	-10	94	
M1050	Permanent Slope Works	excavator	3	50%	BS D3/35	106	-10	-5	-10	98	103
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	3	50%	BS D9/24	104	-10	-5	-10	96	
		drilling rig	3	50%	BS C2/43	102	-10	-10	-10	94	
		grout mixer	3	50%	CNP 105	90	-10	0	-10	82	
		grout pump	3	50%	CNP 106	105	-10	-10	-10	97	
M1060	Retaining Wall & Elevated Section	concrete lorry mixer	4	50%	BS D6/33	96	-10	-5	-10	89	107
		dump truck	4	50%	BS D9/24	104	-10	-5	-10	97	
		excavator	4	50%	BS D3/35	106	-10	-5	-10	99	
		circular saw	4	40%	BS D7/78	106	-10	-5	-10	98	
		crane	4	50%	BS D7/101	94	-10	-5	-10	87	
		poker, vibratory	4	50%	BS D6/40	98	-10	-5	-10	91	
		bar bender and cutter	2	30%	CNP 021	90	-10	-10	-10	78	
		generator	2	100%	CNP 103	95	-10	-10	-10	88	
		breaker (pneumatic)	3	50%	BS C9/12	113	-10	-5	-10	105	
M1070	Soil Backfilling and Compaction	excavator	4	50%	BS D3/35	106	-10	-5	-10	99	100
		roller, vibratory	2	50%	BS C2/39	102	-10	-5	-10	92	
M1080	Permanent Access Road & Other Road Furniture	lorry	2	50%	BS D9/24	104	-10	-5	-10	94	98
		roller, vibratory	1	50%	BS C2/39	102	-10	-5	-10	89	
		poker, vibratory	2	50%	BS D6/40	98	-10	-5	-10	88	
		compactor	1	50%	CNP 050	105	-10	-5	-10	92	
		mobile crane	2	50%	BS D7/101	94	-10	-5	-10	84	
		concrete mixer	1	50%	CNP 046	96	-10	-5	-10	83	
M1090	Remaining Works	lorry	2	50%	BS D9/24	104	-10	-5	-10	94	98
		roller, vibratory	1	50%	BS C2/39	102	-10	-5	-10	89	
		poker, vibratory	2	50%	BS D6/40	98	-10	-5	-10	88	
		compactor	1	50%	CNP 050	105	-10	-5	-10	92	
		mobile crane	2	50%	BS D7/101	94	-10	-5	-10	84	
		concrete mixer	1	50%	CNP 046	96	-10	-5	-10	83	
Construction of Explosive Compound Structure											
M1100	Site Formation & Construction of Explosive Compound Structure	excavator	1	50%	BS D3/35	106	-10	-5	-10	93	97
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		dump truck	1	50%	BS D9/24	104	-10	-5	-10	91	
		roller	1	50%	BS C2/38	101	-10	-5	-10	88	
M1110	E&M Installation for Explosive Compound Structure	air compressor	1	50%	CNP 003	104	-10	-10	-10	91	102
		breaker, hand-held	2	50%	CNP 025	111	-10	-5	-10	101	
		concrete lorry mixer	1	50%	BS D6/33	96	-10	-5	-10	83	
		poker, vibratory	2	50%	BS D6/40	98	-10	-5	-10	88	
		generator	2	100%	CNP 103	95	-10	-10	-10	88	
Main Access Tunnel											
Natural Terrain Hazard Mitigation Works-1											
A1549	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	

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		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1550	NTHS-Construction of Check Dam near East Portal	poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	106
		breaker, hand-held	1	50%	CNP 025	111	0	-5	-5	103	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		compactor	1	50%	CNP 050	105	0	-5	-5	97	
A1560	NTHS-Construction of Check Dam near West Portal	poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	106
		breaker, hand-held	1	50%	CNP 025	111	0	-5	-5	103	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		compactor	1	50%	CNP 050	105	0	-5	-5	97	
A1570	NTHS-Construction of Check Dam near Emergency Portal	poker, vibratory	1	50%	BS D6/40	98	-10	-5	-10	85	102
		breaker, hand-held	1	50%	CNP 025	111	-10	-5	-10	98	
		excavator	1	50%	BS D3/35	106	-10	-5	-10	93	
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		grout mixer	1	50%	CNP 105	90	-10	0	-10	77	
		grout pump	1	50%	CNP 106	105	-10	-10	-10	92	
		concrete lorry mixer	1	50%	BS D6/33	96	-10	-5	-10	83	
		concrete pump	1	50%	BS C4/21	105	-10	-10	-10	92	
		compactor	1	50%	CNP 050	105	-10	-5	-10	92	
A1580	Boulder Fall Fence Construction	poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	110
		breaker, hand-held	1	50%	CNP 025	111	0	-5	-5	103	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		piling rig	1	50%	BS C3/14	111	0	0	0	108	
		bar bender and cutter	1	30%	CNP 021	90	0	-10	-10	75	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
Temporary Road Construction											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	excavator	2	50%	BS D3/35	106	-5	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	-5	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	-5	-5	-5	99	
A2110	Temporary road construction	excavator	1	50%	BS D3/35	106	0	-5	-5	98	103
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		roller	1	50%	BS C2/38	101	0	-5	-5	93	
		concrete mixer	1	50%	CNP 046	96	0	-5	-5	88	
		poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	
A2120	Temporary steel bridge across Ah Kwong Kok Street	crane	1	50%	BS D7/101	94	0	-5	-5	86	103
		hoist	1	50%	CNP 122	95	0	0	0	92	
		Mini piling rig	1	50%	BS C3/17	104	0	0	0	101	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		welder/generator portable	1	50%	BS C3/32	101	0	0	0	98	
Pilot Construction Adit											
Preparation Works											
A1010	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
Site Formation Works of Portal											
A1020	Construction of Retaining Wall	concrete lorry mixer	3	50%	BS D6/33	96	0	-5	-5	93	111
		dump truck	3	50%	BS D9/24	104	0	-5	-5	101	
		excavator	3	50%	BS D3/35	106	0	-5	-5	103	
		circular saw	3	40%	BS D7/78	106	0	-5	-5	102	
		crane	3	50%	BS D7/101	94	0	-5	-5	91	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	2	30%	CNP 021	90	0	-10	-10	78	

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		generator	2	100%	CNP 103	95	0	-10	-10	88	
		breaker (pneumatic)	2	50%	BS C9/12	113	0	-5	-5	108	
A1030	Portal Slope Stabilisation Works	drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	96
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	excavator	1	50%	BS D3/35	106	0	-5	-5	98	110
		excavator with hydraulic breaker	1	40%	BS C1/9	118	0	-5	-5	109	
		hydraulic rock splitter	1	30%	BS C12/2	101	0	0	0	96	
A1050	Drainage provision and surface protection	crane	1	50%	BS D7/101	94	0	-5	-5	86	98
		roller	1	50%	BS C2/38	101	0	-5	-5	93	
		truck	1	50%	BS D9/24	104	0	-5	-5	96	
Excavation of Adit Tunnel											
A1060	Soft ground excavation for Pilot Construction Adit	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	103
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
A1070	Hard ground excavation for Pilot Construction Adit	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	109
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		water pump	1	50%	CNP 281	88	0	0	0	85	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		cherry picker	1	50%	BS C4/54	107	0	0	0	104	
		ventilation fan	1	50%	CNP 241	108	0	0	0	105	
Main Access Tunnel Portal (East)											
Preparation Works											
A1080	Mobilisation and general site clearance	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1090	Diversion of existing utilities	excavator	2	50%	BS D3/35	106	0	-5	-5	101	103
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
Site Formation Works of Portal (East)											
A1100	Excavation and slope cutting	excavator	1	50%	BS D3/35	106	0	-5	-5	98	110
		excavator with hydraulic breaker	1	40%	BS C1/9	118	0	-5	-5	109	
		hydraulic rock splitter	2	30%	BS C12/2	101	0	0	0	99	
A1110	Portal Slope Stabilisation Works	drilling rig	3	50%	BS C2/43	102	0	-10	-10	94	101
		air compressor	3	50%	CNP 003	104	0	-10	-10	96	
		grout mixer	3	50%	CNP 105	90	0	0	0	92	
		grout pump	3	50%	CNP 106	105	0	-10	-10	97	
		generator	3	100%	CNP 103	95	0	-10	-10	90	
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	107
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		crawler crane	2	50%	BS D7/112	102	0	-5	-5	97	
		concrete lorry mixer	2	50%	BS D6/33	96	0	-5	-5	91	
		concrete pump	2	50%	BS C4/21	105	0	-10	-10	95	
		water pump, submersible	3	50%	CNP 283	85	0	0	0	87	
		grout mixer	2	50%	CNP 105	90	0	0	0	90	
		grout pump	2	50%	CNP 106	105	0	-10	-10	95	
Main Access Tunnel Portal (West)											
Preparation Works											
A1130	Mobilisation, general site clearance and levelling	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1140	Diversion of existing utilities	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		mobile crane	1	50%	BS D7/101	94	0	-5	-5	86	
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	excavator	2	50%	BS D3/35	106	0	-5	-5	101	104
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		mobile crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	

Construction Plant Inventory for NSRs NR-D07 (with Use of Movable Barrier)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity (Calc)
Site Formation Works of Portal (West)											
A1160	Erection of working platform for bored pile wall construction	crane	2	50%	BS D7/101	94	0	-5	-5	89	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
A1170	Pre-drilling for bored pile wall	drilling rig	10	50%	BS C2/43	102	0	-10	-10	99	99
A1180	Bored Piling Works for Cantilever Retaining Wall	crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	113
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		oscillator	1	50%	CNP 165	115	0	0	0	112	
		RCD	1	50%	CNP 166	100	0	0	0	97	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		chisel	1	40%	CNP 164	115	0	-10	-10	101	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		water pump	1	50%	CNP 281	88	0	0	0	85	
		bar bender and cutter	1	30%	CNP 021	90	0	-10	-10	75	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
A1190	Testing for bored piles	grout mixer	4	50%	CNP 105	90	0	0	0	93	101
		grout pump	4	50%	CNP 106	105	0	-10	-10	98	
		drilling rig	4	50%	BS C2/43	102	0	-10	-10	95	
A1191	Capping beam construction for Cantilever Retaining Wall	air compressor	2	50%	CNP 003	104	0	-10	-10	94	105
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	4	30%	CNP 021	90	0	-10	-10	81	
		air blower	4	50%	CNP 006	95	0	0	0	98	
		saw	4	40%	CNP 205	101	0	-5	-5	98	
		mobile crane	2	50%	BS D7/101	94	0	-5	-5	89	
A1200	Excavation and slope cutting	excavator	1	50%	BS D3/35	106	0	-5	-5	98	110
		excavator with hydraulic breaker	1	40%	BS C1/9	118	0	-5	-5	109	
		hydraulic rock splitter	3	30%	BS C12/2	101	0	0	0	101	
A1210	Portal Slope Stabilisation works	drilling rig	4	50%	BS C2/43	102	0	-10	-10	95	109
		air compressor	4	50%	CNP 003	104	0	-10	-10	97	
		grouting machine	4	50%	CNP 106	105	0	0	0	108	
		generator	4	100%	CNP 103	95	0	-10	-10	91	
A1201	Piling works	drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	108
		piling rig	1	50%	BS C3/14	111	0	0	0	108	
		water pump	1	50%	CNP 281	88	0	0	0	85	
		crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	104
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
Cavern Construction											
Cavern Excavation (Drill & Blast)											
A1931	Manuvour and handling of C&D materials in Area 73	excavator	25	50%	BS D3/35	106	0	-5	-5	112	112
Vent Shaft at A Kung Kok Shan											
A1360	Site Formation for Works Area	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	100
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
		roller	2	50%	BS C2/38	101	-10	-5	-10	91	
A1370	Construction of Guide wall	concrete mixer	1	50%	CNP 046	96	-10	-5	-10	83	96
		excavator	1	50%	BS D3/35	106	-10	-5	-10	93	
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		poker, vibratory	1	50%	BS D6/40	98	-10	-5	-10	85	
A1380	Setting up for construction of Diaphragm Wall	excavator	1	50%	BS D3/35	106	-10	-5	-10	93	97
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		dump truck	1	50%	BS D9/24	104	-10	-5	-10	91	
		crane	1	50%	BS D7/101	94	-10	-5	-10	81	

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Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity (Calc)
A1390	Construction of Diaphragm Wall	pump	2	50%	CNP 281	88	-10	0	-10	78	101
		crane	2	50%	BS D7/101	94	-10	-5	-10	84	
		grab	2	40%	CNP 069	105	-10	-5	-10	94	
		hydrofraise	2	60%	CNP 166	100	-10	0	-10	91	
		concrete mixer	2	50%	CNP 046	96	-10	-5	-10	86	
		generator	3	100%	CNP 103	95	-10	-10	-10	90	
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	
		desander	1	80%	CNP 162	105	-10	-10	-10	94	
A1400	Testing of Diaphragm Wall	grout mixer	4	50%	CNP 105	90	-10	0	-10	83	100
		grout pump	4	50%	CNP 106	105	-10	-10	-10	98	
		drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	
A1590	Excavation in Soft Ground (16m depth)	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	98
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		crane	2	50%	BS D7/101	94	-10	-5	-10	84	
A1591	Setting up for Noise Enclosure	bar bender and cutter	2	30%	CNP 021	90	-10	-10	-10	78	100
		poker, vibratory	3	50%	BS D6/40	98	-10	-5	-10	90	
		air compressor	2	50%	CNP 003	104	-10	-10	-10	94	
		concrete lorry mixer	2	50%	BS D6/33	96	-10	-5	-10	86	
		concrete pump	2	50%	BS C4/21	105	-10	-10	-10	95	
		mobile crane	1	50%	BS D7/101	94	-10	-5	-10	81	
		cherry picker	1	50%	BS C4/54	107	-10	0	-10	94	
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	drilling jumbo	1	50%	BS D10/2	112	-10	-10	-10	99	104
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		dump truck	1	50%	BS D9/24	104	-10	-5	-10	91	
		excavator	1	50%	BS D3/35	106	-10	-5	-10	93	
		air compressor	1	50%	CNP 003	104	-10	-10	-10	91	
		water pump	1	50%	CNP 281	88	-10	0	-10	75	
		generator	1	100%	CNP 103	95	-10	-10	-10	85	
		cherry picker	1	50%	BS C4/54	107	-10	0	-10	94	
		ventilation fan	2	50%	CNP 241	108	-10	0	-10	98	
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	raiseboring rig	1	30%	BS C3/17	104	-10	0	-10	89	95
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
Emergency Access Tunnel Portal											
Preparation Works											
A1240	Mobilisation and general site clearance	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	100
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
Construction Works											
A1260	Erection of working platform for bored pile wall construction	crane	2	50%	BS D7/101	94	-10	-5	-10	84	101
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		excavator	2	50%	BS D3/35	106	-10	-5	-10	96	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
		air compressor	2	50%	CNP 003	104	-10	-10	-10	94	
		hoist	2	50%	CNP 122	95	-10	0	-10	85	
A1270	Pre-drilling for bored pile wall	drilling rig	10	50%	BS C2/43	102	-10	-10	-10	99	99
A1280	Cantilever Retaining Wall	crawler crane	4	50%	BS D7/112	102	-10	-5	-10	95	111
		concrete pump	3	50%	BS C4/21	105	-10	-10	-10	97	
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	
		oscillator	4	50%	CNP 165	115	-10	0	-10	108	
		RCD	4	50%	CNP 166	100	-10	0	-10	93	
		generator	4	100%	CNP 103	95	-10	-10	-10	91	
		chisel	3	40%	CNP 164	115	-10	-10	-10	106	
		concrete lorry mixer	3	50%	BS D6/33	96	-10	-5	-10	88	
		water pump	3	50%	CNP 281	88	-10	0	-10	80	
		bar bender and cutter	3	30%	CNP 021	90	-10	-10	-10	80	
		dump truck	4	50%	BS D9/24	104	-10	-5	-10	97	
A1290	Testing for bored piles	grout mixer	4	50%	CNP 105	90	-10	0	-10	83	100
		grout pump	4	50%	CNP 106	105	-10	-10	-10	98	
		drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	
A1300	Excavation and slope cutting	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	107
		excavator with hydraulic breaker	2	40%	BS C1/9	118	-10	-5	-10	107	
		hydraulic rock splitter	3	30%	BS C12/2	101	-10	0	-10	91	
A1310	Soil backfilling and compaction	excavator	4	50%	BS D3/35	106	-10	-5	-10	99	100
		roller, vibratory	2	50%	BS C2/39	102	-10	-5	-10	92	
A1320	Portal Slope Stabilisation works	drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	102
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	

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		grouting machine	4	50%	CNP 106	105	-10	0	-10	98	
		generator	4	100%	CNP 103	95	-10	-10	-10	91	
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	104
		lorry	4	50%	BS D9/24	104	-10	-5	-10	97	
		dump truck	4	50%	BS D9/24	104	-10	-5	-10	97	
		excavator	4	50%	BS D3/35	106	-10	-5	-10	99	
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	
Construction of effluent pipeline											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1940-	Condition survey	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1940-	Tunnel strengthening works	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1940-	Tunnel strengthening works	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1941	Soft ground excavation	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	109
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		cherry picker	1	50%	BS C4/54	107	0	0	0	104	
		ventilation fan	1	50%	CNP 241	108	0	0	0	105	
A1943	Set up of micro TBM	crane	1	50%	BS D7/101	94	0	-5	-5	86	90
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		pump	1	50%	CNP 281	88	0	0	0	85	
A1945	Modification of existing inlet chamber and complete connection*	mobile crane	1	50%	BS D7/101	94	0	-5	-5	86	102
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		breaker	1	50%	BS D8/12	106	0	-5	-5	98	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	
		saw	1	40%	CNP 205	101	0	-5	-5	92	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
Package 2 - Civil and E&M Works and T&C of relocated STSTW											
E&M Installation											
A1690	Construction of civil & builders works of relocated STSTW	excavator	5	50%	BS D3/35	106	-10	-5	-10	100	110
		crawler crane	10	50%	BS D7/112	102	-10	-5	-10	99	
		dump truck	10	50%	BS D9/24	104	-10	-5	-10	101	
		lorry	10	50%	BS D9/24	104	-10	-5	-10	101	
		generator	10	100%	CNP 103	95	-10	-10	-10	95	
		air compressor	10	50%	CNP 003	104	-10	-10	-10	101	
		ventilation fan	6	50%	CNP 241	108	-10	0	-10	103	
		cherry picker	5	50%	BS C4/54	107	-10	0	-10	101	
A1720	Construction of transformer and plant control room at main access tunnel portal area	crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	99
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
A1730	Construction of ventilation building at main access tunnel portal area	air compressor	2	50%	CNP 003	104	0	-10	-10	94	106

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		generator	1	100%	CNP 103	95	0	-10	-10	85	
		breaker	2	50%	BS D8/12	106	0	-5	-5	101	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	4	30%	CNP 021	90	0	-10	-10	81	
		air blower	4	50%	CNP 006	95	0	0	0	98	
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	crane	2	50%	BS D7/101	94	0	-5	-5	89	101
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
A1760	Proposed roadworks and landscaping	excavator	2	50%	BS D3/35	106	0	-5	-5	101	106
		concrete pump	2	50%	BS C4/21	105	0	-10	-10	95	
		poker, vibratory	2	50%	BS D6/40	98	0	-5	-5	93	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		paver	1	50%	BS C5/33	103	0	-5	-5	95	
		roller	4	50%	BS C2/38	101	0	-5	-5	99	
Emergency Outfall Construction											
A1740	Mobilisation of plant and equipment on Site	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1770	Construction of jacking pit at Portal	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1772	Construction of 2nd intermediate pit at Area 73	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1773	Construction of Receiving pit at existing STSTW	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1830	Pipe installation of remaining part and connection to existing submarine outfall	lorry	1	50%	BS D9/24	104	0	-5	-5	96	103
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		concrete mixer	1	50%	CNP 046	96	0	-5	-5	88	

Construction Plant Inventory for NSRs NR-D07 (with Use of Movable Barrier)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity (Calc)
		crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
Package 3 - Construction of Ancillary Facilities											
Administration Buildings and other ancillary facilities construction											
A1430	Construction of Administration Buildings and other ancillary facilities	air compressor	2	50%	CNP 003	104	0	-10	-10	94	107
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		breaker	2	50%	BS D8/12	106	0	-5	-5	101	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		tower crane	3	30%	CNP 049	95	0	0	0	95	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	4	30%	CNP 021	90	0	-10	-10	81	
		air blower	4	50%	CNP 006	95	0	0	0	98	
		saw	4	40%	CNP 205	101	0	-5	-5	98	
		mobile crane	2	50%	BS D7/101	94	0	-5	-5	89	
Package 4 - Decommissioning and Demolition of Existing STSTW											
A1450	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	
A1451	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	
A1452	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	
A1453	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	

Construction Plant Inventory for NSRs NR-D07 (with Use of Movable Barrier)

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7											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW											
Access Road for Magazine at A Kung Kok Road											
Construction of Temporary Haul Road											
M1010	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	100
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
M1020	Site Formation and Platform Erection for Works Area	excavator	3	50%	BS D3/35	106	-10	-5	-10	98	101
		lorry	3	50%	BS D9/24	104	-10	-5	-10	96	
		dump truck	3	50%	BS D9/24	104	-10	-5	-10	96	
M1030	Formation of Temporary Haul Road (incl temp slope works)	excavator	3	50%	BS D3/35	106	-10	-5	-10	98	101
		lorry	3	50%	BS D9/24	104	-10	-5	-10	96	
		dump truck	3	50%	BS D9/24	104	-10	-5	-10	96	
Construction of Access Road											
M1040	Piling Foundation for Retaining Wall	drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	106
		piling rig	4	50%	BS C3/14	111	-10	0	-10	104	
		water pump	4	50%	CNP 281	88	-10	0	-10	81	
		crawler crane	2	50%	BS D7/112	102	-10	-5	-10	92	
		bar bender and cutter	2	30%	CNP 021	90	-10	-10	-10	78	
		concrete pump	2	50%	BS C4/21	105	-10	-10	-10	95	
		generator	2	100%	CNP 103	95	-10	-10	-10	88	
		concrete lorry mixer	3	50%	BS D6/33	96	-10	-5	-10	88	
		air compressor	2	50%	CNP 003	104	-10	-10	-10	94	
M1050	Permanent Slope Works	excavator	3	50%	BS D3/35	106	-10	-5	-10	98	103
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	3	50%	BS D9/24	104	-10	-5	-10	96	
		drilling rig	3	50%	BS C2/43	102	-10	-10	-10	94	
		grout mixer	3	50%	CNP 105	90	-10	0	-10	82	
		grout pump	3	50%	CNP 106	105	-10	-10	-10	97	
M1060	Retaining Wall & Elevated Section	concrete lorry mixer	4	50%	BS D6/33	96	-10	-5	-10	89	107
		dump truck	4	50%	BS D9/24	104	-10	-5	-10	97	
		excavator	4	50%	BS D3/35	106	-10	-5	-10	99	
		circular saw	4	40%	BS D7/78	106	-10	-5	-10	98	
		crane	4	50%	BS D7/101	94	-10	-5	-10	87	
		poker, vibratory	4	50%	BS D6/40	98	-10	-5	-10	91	
		bar bender and cutter	2	30%	CNP 021	90	-10	-10	-10	78	
		generator	2	100%	CNP 103	95	-10	-10	-10	88	
		breaker (pneumatic)	3	50%	BS C9/12	113	-10	-5	-10	105	
M1070	Soil Backfilling and Compaction	excavator	4	50%	BS D3/35	106	-10	-5	-10	99	100
		roller, vibratory	2	50%	BS C2/39	102	-10	-5	-10	92	
M1080	Permanent Access Road & Other Road Furniture	lorry	2	50%	BS D9/24	104	-10	-5	-10	94	98
		roller, vibratory	1	50%	BS C2/39	102	-10	-5	-10	89	
		poker, vibratory	2	50%	BS D6/40	98	-10	-5	-10	88	
		compactor	1	50%	CNP 050	105	-10	-5	-10	92	
		mobile crane	2	50%	BS D7/101	94	-10	-5	-10	84	
		concrete mixer	1	50%	CNP 046	96	-10	-5	-10	83	
M1090	Remaining Works	lorry	2	50%	BS D9/24	104	-10	-5	-10	94	98
		roller, vibratory	1	50%	BS C2/39	102	-10	-5	-10	89	
		poker, vibratory	2	50%	BS D6/40	98	-10	-5	-10	88	
		compactor	1	50%	CNP 050	105	-10	-5	-10	92	
		mobile crane	2	50%	BS D7/101	94	-10	-5	-10	84	
		concrete mixer	1	50%	CNP 046	96	-10	-5	-10	83	
Construction of Explosive Compound Structure											
M1100	Site Formation & Construction of Explosive Compound Structure	excavator	1	50%	BS D3/35	106	-10	-5	-10	93	97
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		dump truck	1	50%	BS D9/24	104	-10	-5	-10	91	
		roller	1	50%	BS C2/38	101	-10	-5	-10	88	
M1110	E&M Installation for Explosive Compound Structure	air compressor	1	50%	CNP 003	104	-10	-10	-10	91	102
		breaker, hand-held	2	50%	CNP 025	111	-10	-5	-10	101	
		concrete lorry mixer	1	50%	BS D6/33	96	-10	-5	-10	83	
		poker, vibratory	2	50%	BS D6/40	98	-10	-5	-10	88	
		generator	2	100%	CNP 103	95	-10	-10	-10	88	
Main Access Tunnel											
Natural Terrain Hazard Mitigation Works-1											
A1549	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	

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		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1550	NTHS-Construction of Check Dam near East Portal	poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	106
		breaker, hand-held	1	50%	CNP 025	111	0	-5	-5	103	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		compactor	1	50%	CNP 050	105	0	-5	-5	97	
A1560	NTHS-Construction of Check Dam near West Portal	poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	106
		breaker, hand-held	1	50%	CNP 025	111	0	-5	-5	103	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		compactor	1	50%	CNP 050	105	0	-5	-5	97	
A1570	NTHS-Construction of Check Dam near Emergency Portal	poker, vibratory	1	50%	BS D6/40	98	-10	-5	-10	85	102
		breaker, hand-held	1	50%	CNP 025	111	-10	-5	-10	98	
		excavator	1	50%	BS D3/35	106	-10	-5	-10	93	
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		grout mixer	1	50%	CNP 105	90	-10	0	-10	77	
		grout pump	1	50%	CNP 106	105	-10	-10	-10	92	
		concrete lorry mixer	1	50%	BS D6/33	96	-10	-5	-10	83	
		concrete pump	1	50%	BS C4/21	105	-10	-10	-10	92	
		compactor	1	50%	CNP 050	105	-10	-5	-10	92	
A1580	Boulder Fall Fence Construction	poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	110
		breaker, hand-held	1	50%	CNP 025	111	0	-5	-5	103	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		piling rig	1	50%	BS C3/14	111	0	0	0	108	
		bar bender and cutter	1	30%	CNP 021	90	0	-10	-10	75	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
Temporary Road Construction											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	excavator	2	50%	BS D3/35	106	-5	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	-5	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	-5	-5	-5	99	
A2110	Temporary road construction	excavator	1	50%	BS D3/35	106	0	-5	-5	98	103
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		roller	1	50%	BS C2/38	101	0	-5	-5	93	
		concrete mixer	1	50%	CNP 046	96	0	-5	-5	88	
		poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	
A2120	Temporary steel bridge across Ah Kwong Kok Street	crane	1	50%	BS D7/101	94	0	-5	-5	86	103
		hoist	1	50%	CNP 122	95	0	0	0	92	
		Mini piling rig	1	50%	BS C3/17	104	0	0	0	101	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		welder/generator portable	1	50%	BS C3/32	101	0	0	0	98	
Pilot Construction Adit											
Preparation Works											
A1010	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
Site Formation Works of Portal											
A1020	Construction of Retaining Wall	concrete lorry mixer	3	50%	BS D6/33	96	0	-5	-5	93	111
		dump truck	3	50%	BS D9/24	104	0	-5	-5	101	
		excavator	3	50%	BS D3/35	106	0	-5	-5	103	
		circular saw	3	40%	BS D7/78	106	0	-5	-5	102	
		crane	3	50%	BS D7/101	94	0	-5	-5	91	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	2	30%	CNP 021	90	0	-10	-10	78	

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		generator	2	100%	CNP 103	95	0	-10	-10	88	
		breaker (pneumatic)	2	50%	BS C9/12	113	0	-5	-5	108	
A1030	Portal Slope Stabilisation Works	drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	96
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	excavator	1	50%	BS D3/35	106	0	-5	-5	98	110
		excavator with hydraulic breaker	1	40%	BS C1/9	118	0	-5	-5	109	
		hydraulic rock splitter	1	30%	BS C12/2	101	0	0	0	96	
A1050	Drainage provision and surface protection	crane	1	50%	BS D7/101	94	0	-5	-5	86	98
		roller	1	50%	BS C2/38	101	0	-5	-5	93	
		truck	1	50%	BS D9/24	104	0	-5	-5	96	
Excavation of Adit Tunnel											
A1060	Soft ground excavation for Pilot Construction Adit	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	103
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
A1070	Hard ground excavation for Pilot Construction Adit	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	109
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		water pump	1	50%	CNP 281	88	0	0	0	85	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		cherry picker	1	50%	BS C4/54	107	0	0	0	104	
		ventilation fan	1	50%	CNP 241	108	0	0	0	105	
Main Access Tunnel Portal (East)											
Preparation Works											
A1080	Mobilisation and general site clearance	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1090	Diversion of existing utilities	excavator	2	50%	BS D3/35	106	0	-5	-5	101	103
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
Site Formation Works of Portal (East)											
A1100	Excavation and slope cutting	excavator	1	50%	BS D3/35	106	0	-5	-5	98	110
		excavator with hydraulic breaker	1	40%	BS C1/9	118	0	-5	-5	109	
		hydraulic rock splitter	2	30%	BS C12/2	101	0	0	0	99	
A1110	Portal Slope Stabilisation Works	drilling rig	3	50%	BS C2/43	102	0	-10	-10	94	101
		air compressor	3	50%	CNP 003	104	0	-10	-10	96	
		grout mixer	3	50%	CNP 105	90	0	0	0	92	
		grout pump	3	50%	CNP 106	105	0	-10	-10	97	
		generator	3	100%	CNP 103	95	0	-10	-10	90	
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	107
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		crawler crane	2	50%	BS D7/112	102	0	-5	-5	97	
		concrete lorry mixer	2	50%	BS D6/33	96	0	-5	-5	91	
		concrete pump	2	50%	BS C4/21	105	0	-10	-10	95	
		water pump, submersible	3	50%	CNP 283	85	0	0	0	87	
		grout mixer	2	50%	CNP 105	90	0	0	0	90	
		grout pump	2	50%	CNP 106	105	0	-10	-10	95	
Main Access Tunnel Portal (West)											
Preparation Works											
A1130	Mobilisation, general site clearance and levelling	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1140	Diversion of existing utilities	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		mobile crane	1	50%	BS D7/101	94	0	-5	-5	86	
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	excavator	2	50%	BS D3/35	106	0	-5	-5	101	104
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		mobile crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	

Construction Plant Inventory for NSRs NR-D07 (with Use of Movable Barrier)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity (Calc)
Site Formation Works of Portal (West)											
A1160	Erection of working platform for bored pile wall construction	crane	2	50%	BS D7/101	94	0	-5	-5	89	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
A1170	Pre-drilling for bored pile wall	drilling rig	10	50%	BS C2/43	102	0	-10	-10	99	99
A1180	Bored Piling Works for Cantilever Retaining Wall	crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	113
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		oscillator	1	50%	CNP 165	115	0	0	0	112	
		RCD	1	50%	CNP 166	100	0	0	0	97	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		chisel	1	40%	CNP 164	115	0	-10	-10	101	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		water pump	1	50%	CNP 281	88	0	0	0	85	
		bar bender and cutter	1	30%	CNP 021	90	0	-10	-10	75	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
A1190	Testing for bored piles	grout mixer	4	50%	CNP 105	90	0	0	0	93	101
		grout pump	4	50%	CNP 106	105	0	-10	-10	98	
		drilling rig	4	50%	BS C2/43	102	0	-10	-10	95	
A1191	Capping beam construction for Cantilever Retaining Wall	air compressor	2	50%	CNP 003	104	0	-10	-10	94	105
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	4	30%	CNP 021	90	0	-10	-10	81	
		air blower	4	50%	CNP 006	95	0	0	0	98	
		saw	4	40%	CNP 205	101	0	-5	-5	98	
		mobile crane	2	50%	BS D7/101	94	0	-5	-5	89	
A1200	Excavation and slope cutting	excavator	1	50%	BS D3/35	106	0	-5	-5	98	110
		excavator with hydraulic breaker	1	40%	BS C1/9	118	0	-5	-5	109	
		hydraulic rock splitter	3	30%	BS C12/2	101	0	0	0	101	
A1210	Portal Slope Stabilisation works	drilling rig	4	50%	BS C2/43	102	0	-10	-10	95	109
		air compressor	4	50%	CNP 003	104	0	-10	-10	97	
		grouting machine	4	50%	CNP 106	105	0	0	0	108	
		generator	4	100%	CNP 103	95	0	-10	-10	91	
A1201	Piling works	drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	108
		piling rig	1	50%	BS C3/14	111	0	0	0	108	
		water pump	1	50%	CNP 281	88	0	0	0	85	
		crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	104
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
Cavern Construction											
Cavern Excavation (Drill & Blast)											
A1931	Manuvour and handling of C&D materials in Area 73	excavator	25	50%	BS D3/35	106	0	-5	-5	112	112
Vent Shaft at A Kung Kok Shan											
A1360	Site Formation for Works Area	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	100
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
		roller	2	50%	BS C2/38	101	-10	-5	-10	91	
A1370	Construction of Guide wall	concrete mixer	1	50%	CNP 046	96	-10	-5	-10	83	96
		excavator	1	50%	BS D3/35	106	-10	-5	-10	93	
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		poker, vibratory	1	50%	BS D6/40	98	-10	-5	-10	85	
A1380	Setting up for construction of Diaphragm Wall	excavator	1	50%	BS D3/35	106	-10	-5	-10	93	97
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		dump truck	1	50%	BS D9/24	104	-10	-5	-10	91	
		crane	1	50%	BS D7/101	94	-10	-5	-10	81	

Construction Plant Inventory for NSRs NR-D07 (with Use of Movable Barrier)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity (Calc)
A1390	Construction of Diaphragm Wall	pump	2	50%	CNP 281	88	-10	0	-10	78	101
		crane	2	50%	BS D7/101	94	-10	-5	-10	84	
		grab	2	40%	CNP 069	105	-10	-5	-10	94	
		hydrofraise	2	60%	CNP 166	100	-10	0	-10	91	
		concrete mixer	2	50%	CNP 046	96	-10	-5	-10	86	
		generator	3	100%	CNP 103	95	-10	-10	-10	90	
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	
		desander	1	80%	CNP 162	105	-10	-10	-10	94	
A1400	Testing of Diaphragm Wall	grout mixer	4	50%	CNP 105	90	-10	0	-10	83	100
		grout pump	4	50%	CNP 106	105	-10	-10	-10	98	
		drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	
A1590	Excavation in Soft Ground (16m depth)	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	98
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		crane	2	50%	BS D7/101	94	-10	-5	-10	84	
A1591	Setting up for Noise Enclosure	bar bender and cutter	2	30%	CNP 021	90	-10	-10	-10	78	100
		poker, vibratory	3	50%	BS D6/40	98	-10	-5	-10	90	
		air compressor	2	50%	CNP 003	104	-10	-10	-10	94	
		concrete lorry mixer	2	50%	BS D6/33	96	-10	-5	-10	86	
		concrete pump	2	50%	BS C4/21	105	-10	-10	-10	95	
		mobile crane	1	50%	BS D7/101	94	-10	-5	-10	81	
		cherry picker	1	50%	BS C4/54	107	-10	0	-10	94	
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	drilling jumbo	1	50%	BS D10/2	112	-10	-10	-10	99	104
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		dump truck	1	50%	BS D9/24	104	-10	-5	-10	91	
		excavator	1	50%	BS D3/35	106	-10	-5	-10	93	
		air compressor	1	50%	CNP 003	104	-10	-10	-10	91	
		water pump	1	50%	CNP 281	88	-10	0	-10	75	
		generator	1	100%	CNP 103	95	-10	-10	-10	85	
		cherry picker	1	50%	BS C4/54	107	-10	0	-10	94	
		ventilation fan	2	50%	CNP 241	108	-10	0	-10	98	
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	raiseboring rig	1	30%	BS C3/17	104	-10	0	-10	89	95
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
Emergency Access Tunnel Portal											
Preparation Works											
A1240	Mobilisation and general site clearance	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	100
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
Construction Works											
A1260	Erection of working platform for bored pile wall construction	crane	2	50%	BS D7/101	94	-10	-5	-10	84	101
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		excavator	2	50%	BS D3/35	106	-10	-5	-10	96	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
		air compressor	2	50%	CNP 003	104	-10	-10	-10	94	
		hoist	2	50%	CNP 122	95	-10	0	-10	85	
A1270	Pre-drilling for bored pile wall	drilling rig	10	50%	BS C2/43	102	-10	-10	-10	99	99
A1280	Cantilever Retaining Wall	crawler crane	4	50%	BS D7/112	102	-10	-5	-10	95	111
		concrete pump	3	50%	BS C4/21	105	-10	-10	-10	97	
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	
		oscillator	4	50%	CNP 165	115	-10	0	-10	108	
		RCD	4	50%	CNP 166	100	-10	0	-10	93	
		generator	4	100%	CNP 103	95	-10	-10	-10	91	
		chisel	3	40%	CNP 164	115	-10	-10	-10	106	
		concrete lorry mixer	3	50%	BS D6/33	96	-10	-5	-10	88	
		water pump	3	50%	CNP 281	88	-10	0	-10	80	
		bar bender and cutter	3	30%	CNP 021	90	-10	-10	-10	80	
		dump truck	4	50%	BS D9/24	104	-10	-5	-10	97	
A1290	Testing for bored piles	grout mixer	4	50%	CNP 105	90	-10	0	-10	83	100
		grout pump	4	50%	CNP 106	105	-10	-10	-10	98	
		drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	
A1300	Excavation and slope cutting	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	107
		excavator with hydraulic breaker	2	40%	BS C1/9	118	-10	-5	-10	107	
		hydraulic rock splitter	3	30%	BS C12/2	101	-10	0	-10	91	
A1310	Soil backfilling and compaction	excavator	4	50%	BS D3/35	106	-10	-5	-10	99	100
		roller, vibratory	2	50%	BS C2/39	102	-10	-5	-10	92	
A1320	Portal Slope Stabilisation works	drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	102
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	

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		grouting machine	4	50%	CNP 106	105	-10	0	-10	98	
		generator	4	100%	CNP 103	95	-10	-10	-10	91	
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	104
		lorry	4	50%	BS D9/24	104	-10	-5	-10	97	
		dump truck	4	50%	BS D9/24	104	-10	-5	-10	97	
		excavator	4	50%	BS D3/35	106	-10	-5	-10	99	
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	
Construction of effluent pipeline											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1940-	Condition survey	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1940-	Tunnel strengthening works	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1940-	Tunnel strengthening works	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1941	Soft ground excavation	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	109
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		cherry picker	1	50%	BS C4/54	107	0	0	0	104	
		ventilation fan	1	50%	CNP 241	108	0	0	0	105	
A1943	Set up of micro TBM	crane	1	50%	BS D7/101	94	0	-5	-5	86	90
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		pump	1	50%	CNP 281	88	0	0	0	85	
A1945	Modification of existing inlet chamber and complete connection*	mobile crane	1	50%	BS D7/101	94	0	-5	-5	86	102
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		breaker	1	50%	BS D8/12	106	0	-5	-5	98	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	
		saw	1	40%	CNP 205	101	0	-5	-5	92	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
Package 2 - Civil and E&M Works and T&C of relocated STSTW											
E&M Installation											
A1690	Construction of civil & builders works of relocated STSTW	excavator	5	50%	BS D3/35	106	-10	-5	-10	100	110
		crawler crane	10	50%	BS D7/112	102	-10	-5	-10	99	
		dump truck	10	50%	BS D9/24	104	-10	-5	-10	101	
		lorry	10	50%	BS D9/24	104	-10	-5	-10	101	
		generator	10	100%	CNP 103	95	-10	-10	-10	95	
		air compressor	10	50%	CNP 003	104	-10	-10	-10	101	
		ventilation fan	6	50%	CNP 241	108	-10	0	-10	103	
		cherry picker	5	50%	BS C4/54	107	-10	0	-10	101	
A1720	Construction of transformer and plant control room at main access tunnel portal area	crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	99
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
A1730	Construction of ventilation building at main access tunnel portal area	air compressor	2	50%	CNP 003	104	0	-10	-10	94	106

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Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity (Calc)
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		breaker	2	50%	BS D8/12	106	0	-5	-5	101	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	4	30%	CNP 021	90	0	-10	-10	81	
		air blower	4	50%	CNP 006	95	0	0	0	98	
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	crane	2	50%	BS D7/101	94	0	-5	-5	89	101
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
A1760	Proposed roadworks and landscaping	excavator	2	50%	BS D3/35	106	0	-5	-5	101	106
		concrete pump	2	50%	BS C4/21	105	0	-10	-10	95	
		poker, vibratory	2	50%	BS D6/40	98	0	-5	-5	93	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		paver	1	50%	BS C5/33	103	0	-5	-5	95	
		roller	4	50%	BS C2/38	101	0	-5	-5	99	
Emergency Outfall Construction											
A1740	Mobilisation of plant and equipment on Site	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1770	Construction of jacking pit at Portal	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1772	Construction of 2nd intermediate pit at Area 73	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1773	Construction of Receiving pit at existing STSTW	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1830	Pipe installation of remaining part and connection to existing submarine outfall	lorry	1	50%	BS D9/24	104	0	-5	-5	96	103
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		concrete mixer	1	50%	CNP 046	96	0	-5	-5	88	

Construction Plant Inventory for NSRs NR-D07 (with Use of Movable Barrier)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity (Calc)
		crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
Package 3 - Construction of Ancillary Facilities											
Administration Buildings and other ancillary facilities construction											
A1430	Construction of Administration Buildings and other ancillary facilities	air compressor	2	50%	CNP 003	104	0	-10	-10	94	107
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		breaker	2	50%	BS D8/12	106	0	-5	-5	101	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		tower crane	3	30%	CNP 049	95	0	0	0	95	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	4	30%	CNP 021	90	0	-10	-10	81	
		air blower	4	50%	CNP 006	95	0	0	0	98	
		saw	4	40%	CNP 205	101	0	-5	-5	98	
		mobile crane	2	50%	BS D7/101	94	0	-5	-5	89	
Package 4 - Decommissioning and Demolition of Existing STSTW											
A1450	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	
A1451	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	
A1452	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	
A1453	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	

Predicted Construction Noise Levels at Noise Sensitive Receiver (Use of Quiet PME & Movable Barrier)

NR-D07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																							
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																							
Access Road for Magazine at A Kung Kok Road																																																							
Construction of Temporary Haul Road																																																							
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																							
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																							
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																							
Natural Terrain Hazard Mitigation Works-1																																																							
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																							
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																							
Preparation Works																																																							
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																							
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																							
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																							
Preparation Works																																																							
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																							
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																							
Preparation Works																																																							
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																							
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (Use of Quiet PME & Movable Barrier)

NR-D07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	345	120	0	-59	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	388	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	754	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (Use of Quiet PME & Movable Barrier)

NR-D07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (Use of Quiet PME & Movable Barrier)

NR-D07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	345	120	0	-59	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	388	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	754	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (Use of Quiet PME & Movable Barrier)

NR-D07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (Use of Quiet PME & Movable Barrier)

NR-D07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	345	120	0	-59	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	64	64	64	64	64	64	64	64
A1451	Demolition of existing STSTW	388	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	754	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	64	64	64	64	64	64	64	64

Construction Plant Inventory for NSRs NR-C10 (with Less PME within 120m from the NSR)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Barrier Corr., dB(A)	SWL / Activity, dB(A)
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS								
Package 1 - Construction of Tunnels and Caverns for relocated STSTW								
Access Road for Magazine at A Kung Kok Road								
Construction of Temporary Haul Road								
M1010	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	-5	110
		lorry	2	50%	BS D9/24	104	-5	
		dump truck	2	50%	BS D9/24	104	-5	
M1020	Site Formation and Platform Erection for Works Area	excavator	3	50%	BS D3/35	106	-5	111
		lorry	3	50%	BS D9/24	104	-5	
		dump truck	3	50%	BS D9/24	104	-5	
M1030	Formation of Temporary Haul Road (incl temp slope works)	excavator	3	50%	BS D3/35	106	-5	111
		lorry	3	50%	BS D9/24	104	-5	
		dump truck	3	50%	BS D9/24	104	-5	
Construction of Access Road								
M1040	Piling Foundation for Retaining Wall	drilling rig	1	50%	BS C2/43	102	-10	110
		piling rig	1	50%	BS C3/14	111	0	
		water pump	1	50%	CNP 281	88	0	
		crawler crane	1	50%	BS D7/112	102	-5	
		bar bender and cutter	1	30%	CNP 021	90	-10	
		concrete pump	1	50%	BS C4/21	105	-10	
		generator	1	50%	CNP 103	95	-10	
		concrete lorry mixer	1	50%	BS D6/33	96	-5	
		air compressor	1	50%	CNP 003	104	-10	
M1050	Permanent Slope Works	excavator	1	50%	BS D3/35	106	-5	108
		lorry	1	50%	BS D9/24	104	-5	
		dump truck	1	50%	BS D9/24	104	-5	
		drilling rig	1	50%	BS C2/43	102	-10	
		grout mixer	1	50%	CNP 105	90	0	
		grout pump	1	50%	CNP 106	105	-10	
M1060	Retaining Wall & Elevated Section	concrete lorry mixer	1	50%	BS D6/33	96	-5	112
		dump truck	1	50%	BS D9/24	104	-5	
		excavator	1	50%	BS D3/35	106	-5	
		circular saw	1	40%	BS D7/78	106	-5	
		crane	1	50%	BS D7/101	94	-5	
		poker, vibratory	1	50%	BS D6/40	98	-5	
		bar bender and cutter	1	30%	CNP 021	90	-10	
		generator	1	50%	CNP 103	95	-10	
		breaker (pneumatic)	1	50%	BS C9/12	113	-5	
M1070	Soil Backfilling and Compaction	excavator	1	50%	BS D3/35	106	-5	104
		roller, vibratory	1	50%	BS C2/39	102	-5	
M1080	Permanent Access Road & Other Road Furniture	lorry	1	50%	BS D9/24	104	-5	106
		roller, vibratory	1	50%	BS C2/39	102	-5	
		poker, vibratory	1	50%	BS D6/40	98	-5	
		compactor	1	50%	CNP 050	105	-5	
		mobile crane	1	50%	BS D7/101	94	-5	
		concrete mixer	1	50%	CNP 046	96	-5	
M1090	Remaining Works	lorry	1	50%	BS D9/24	104	-5	106
		roller, vibratory	1	50%	BS C2/39	102	-5	
		poker, vibratory	1	50%	BS D6/40	98	-5	
		compactor	1	50%	CNP 050	105	-5	
		mobile crane	1	50%	BS D7/101	94	-5	
		concrete mixer	1	50%	CNP 046	96	-5	
Construction of Explosive Compound Structure							-	
M1100	Site Formation & Construction of Explosive Compound Structure	excavator	1	50%	BS D3/35	106	-5	107
		lorry	1	50%	BS D9/24	104	-5	
		dump truck	1	50%	BS D9/24	104	-5	
		roller	1	50%	BS C2/38	101	-5	
M1110	E&M Installation for Explosive Compound Structure	air compressor	1	50%	CNP 003	104	-10	109
		breaker, hand-held	1	50%	CNP 025	111	-5	
		concrete lorry mixer	1	50%	BS D6/33	96	-5	
		poker, vibratory	1	50%	BS D6/40	98	-5	
		generator	1	50%	CNP 103	95	-10	
Main Access Tunnel								
Natural Terrain Hazard Mitigation Works-1								
A1549	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	-5	110
		lorry	2	50%	BS D9/24	104	-5	
		dump truck	2	50%	BS D9/24	104	-5	

Construction Plant Inventory for NSRs NR-C10 (with Less PME within 120m from the NSR)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Barrier Corr., dB(A)	SWL / Activity, dB(A)
A1550	NTHS-Construction of Check Dam near East Portal	poker, vibratory	1	50%	BS D6/40	98	-5	112
		breaker, hand-held	1	50%	CNP 025	111	-5	
		excavator	1	50%	BS D3/35	106	-5	
		lorry	1	50%	BS D9/24	104	-5	
		grout mixer	1	50%	CNP 105	90	0	
		grout pump	1	50%	CNP 106	105	-10	
		concrete lorry mixer	1	50%	BS D6/33	96	-5	
		concrete pump	1	50%	BS C4/21	105	-10	
		compactor	1	50%	CNP 050	105	-5	
A1560	NTHS-Construction of Check Dam near West Portal	poker, vibratory	1	50%	BS D6/40	98	-5	112
		breaker, hand-held	1	50%	CNP 025	111	-5	
		excavator	1	50%	BS D3/35	106	-5	
		lorry	1	50%	BS D9/24	104	-5	
		grout mixer	1	50%	CNP 105	90	0	
		grout pump	1	50%	CNP 106	105	-10	
		concrete lorry mixer	1	50%	BS D6/33	96	-5	
		concrete pump	1	50%	BS C4/21	105	-10	
		compactor	1	50%	CNP 050	105	-5	
A1570	NTHS-Construction of Check Dam near Emergency Portal	poker, vibratory	1	50%	BS D6/40	98	-5	112
		breaker, hand-held	1	50%	CNP 025	111	-5	
		excavator	1	50%	BS D3/35	106	-5	
		lorry	1	50%	BS D9/24	104	-5	
		grout mixer	1	50%	CNP 105	90	0	
		grout pump	1	50%	CNP 106	105	-10	
		concrete lorry mixer	1	50%	BS D6/33	96	-5	
		concrete pump	1	50%	BS C4/21	105	-10	
		compactor	1	50%	CNP 050	105	-5	
A1580	Boulder Fall Fence Construction	poker, vibratory	1	50%	BS D6/40	98	-5	113
		breaker, hand-held	1	50%	CNP 025	111	-5	
		excavator	1	50%	BS D3/35	106	-5	
		lorry	1	50%	BS D9/24	104	-5	
		grout mixer	1	50%	CNP 105	90	0	
		grout pump	1	50%	CNP 106	105	-10	
		piling rig	1	50%	BS C3/14	111	0	
		bar bender and cutter	1	30%	CNP 021	90	-10	
		concrete lorry mixer	1	50%	BS D6/33	96	-5	
		concrete pump	1	50%	BS C4/21	105	-10	
Temporary Road Construction								
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	excavator	2	50%	BS D3/35	106	-5	110
		lorry	2	50%	BS D9/24	104	-5	
		dump truck	2	50%	BS D9/24	104	-5	
A2110	Temporary road construction	excavator	1	50%	BS D3/35	106	-5	108
		lorry	1	50%	BS D9/24	104	-5	
		dump truck	1	50%	BS D9/24	104	-5	
		roller	1	50%	BS C2/38	101	-5	
		concrete mixer	1	50%	CNP 046	96	-5	
		poker, vibratory	1	50%	BS D6/40	98	-5	
A2120	Temporary steel bridge across Ah Kwong Kok Street	crane	1	50%	BS D7/101	94	-5	104
		hoist	1	50%	CNP 122	95	0	
		Mini piling rig	1	50%	BS C3/17	104	0	
		concrete lorry mixer	1	50%	BS D6/33	96	-5	
		welder/generator portable	1	50%	BS C3/32	101	0	
Pilot Construction Adit								
Preparation Works								
A1010	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	-5	110
		lorry	2	50%	BS D9/24	104	-5	
		dump truck	2	50%	BS D9/24	104	-5	
Site Formation Works of Portal								
A1020	Construction of Retaining Wall	concrete lorry mixer	3	50%	BS D6/33	96	-5	116
		dump truck	3	50%	BS D9/24	104	-5	
		excavator	3	50%	BS D3/35	106	-5	
		circular saw	3	40%	BS D7/78	106	-5	
		crane	3	50%	BS D7/101	94	-5	
		poker, vibratory	3	50%	BS D6/40	98	-5	
		bar bender and cutter	2	30%	CNP 021	90	-10	
		generator	2	100%	CNP 103	95	-10	
		breaker (pneumatic)	2	50%	BS C9/12	113	-5	

Construction Plant Inventory for NSRs NR-C10 (with Less PME within 120m from the NSR)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Barrier Corr., dB(A)	SWL / Activity, dB(A)
A1030	Portal Slope Stabilisation Works	drilling rig	1	50%	BS C2/43	102	-10	106
		air compressor	1	50%	CNP 003	104	-10	
		grout mixer	1	50%	CNP 105	90	0	
		grout pump	1	50%	CNP 106	105	-10	
		generator	1	100%	CNP 103	95	-10	
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	excavator	1	50%	BS D3/35	106	-5	114
		excavator with hydraulic breaker	1	40%	BS C1/9	118	-5	
		hydraulic rock splitter	1	30%	BS C12/2	101	0	
A1050	Drainage provision and surface protection	crane	1	50%	BS D7/101	94	-5	103
		roller	1	50%	BS C2/38	101	-5	
		truck	1	50%	BS D9/24	104	-5	
Excavation of Adit Tunnel								
A1060	Soft ground excavation for Pilot Construction Adit	drilling jumbo	1	50%	BS D10/2	112	-10	111
		lorry	1	50%	BS D9/24	104	-5	
		dump truck	1	50%	BS D9/24	104	-5	
		excavator	1	50%	BS D3/35	106	-5	
A1070	Hard ground excavation for Pilot Construction Adit	drilling jumbo	1	50%	BS D10/2	112	-10	113
		lorry	1	50%	BS D9/24	104	-5	
		dump truck	1	50%	BS D9/24	104	-5	
		excavator	1	50%	BS D3/35	106	-5	
		air compressor	1	50%	CNP 003	104	-10	
		water pump	1	50%	CNP 281	88	0	
		generator	1	100%	CNP 103	95	-10	
		cherry picker	1	50%	BS C4/54	107	0	
		ventilation fan	1	50%	CNP 241	108	0	
Main Access Tunnel Portal (East)								
Preparation Works								
A1080	Mobilisation and general site clearance	excavator	2	50%	BS D3/35	106	-5	110
		lorry	2	50%	BS D9/24	104	-5	
		dump truck	2	50%	BS D9/24	104	-5	
A1090	Diversion of existing utilities	excavator	2	50%	BS D3/35	106	-5	108
		lorry	2	50%	BS D9/24	104	-5	
Site Formation Works of Portal (East)								
A1100	Excavation and slope cutting	excavator	1	50%	BS D3/35	106	-5	114
		excavator with hydraulic breaker	1	40%	BS C1/9	118	-5	
		hydraulic rock splitter	2	30%	BS C12/2	101	0	
A1110	Portal Slope Stabilisation Works	drilling rig	3	50%	BS C2/43	102	-10	111
		air compressor	3	50%	CNP 003	104	-10	
		grout mixer	3	50%	CNP 105	90	0	
		grout pump	3	50%	CNP 106	105	-10	
		generator	3	100%	CNP 103	95	-10	
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	drilling jumbo	1	50%	BS D10/2	112	-10	114
		lorry	2	50%	BS D9/24	104	-5	
		dump truck	2	50%	BS D9/24	104	-5	
		excavator	2	50%	BS D3/35	106	-5	
		crawler crane	2	50%	BS D7/112	102	-5	
		concrete lorry mixer	2	50%	BS D6/33	96	-5	
		concrete pump	2	50%	BS C4/21	105	-10	
		water pump, submersible	3	50%	CNP 283	85	0	
		grout mixer	2	50%	CNP 105	90	0	
		grout pump	2	50%	CNP 106	105	-10	
Main Access Tunnel Portal (West)								
Preparation Works								
A1130	Mobilisation, general site clearance and levelling	excavator	2	50%	BS D3/35	106	-5	110
		lorry	2	50%	BS D9/24	104	-5	
		dump truck	2	50%	BS D9/24	104	-5	
A1140	Diversion of existing utilities	excavator	1	50%	BS D3/35	106	-5	105
		lorry	1	50%	BS D9/24	104	-5	
		mobile crane	1	50%	BS D7/101	94	-5	
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	excavator	2	50%	BS D3/35	106	-5	109
		lorry	2	50%	BS D9/24	104	-5	
		mobile crane	1	50%	BS D7/101	94	-5	
		generator	1	100%	CNP 103	95	-10	
		air compressor	1	50%	CNP 003	104	-10	
Site Formation Works of Portal (West)								
A1160	Erection of working platform for bored pile wall construction	crane	2	50%	BS D7/101	94	-5	111
		lorry	2	50%	BS D9/24	104	-5	

Construction Plant Inventory for NSRs NR-C10 (with Less PME within 120m from the NSR)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Barrier Corr., dB(A)	SWL / Activity, dB(A)
		excavator	2	50%	BS D3/35	106	-5	
		dump truck	2	50%	BS D9/24	104	-5	
		air compressor	2	50%	CNP 003	104	-10	
A1170	Pre-drilling for bored pile wall	drilling rig	10	50%	BS C2/43	102	-10	109
A1180	Bored Piling Works for Cantilever Retaining Wall	crawler crane	1	50%	BS D7/112	102	-5	115
		concrete pump	1	50%	BS C4/21	105	-10	
		air compressor	1	50%	CNP 003	104	-10	
		oscillator	1	50%	CNP 165	115	0	
		RCD	1	50%	CNP 166	100	0	
		generator	1	100%	CNP 103	95	-10	
		chisel	1	40%	CNP 164	115	-10	
		concrete lorry mixer	1	50%	BS D6/33	96	-5	
		water pump	1	50%	CNP 281	88	0	
		bar bender and cutter	1	30%	CNP 021	90	-10	
		dump truck	1	50%	BS D9/24	104	-5	
A1190	Testing for bored piles	grout mixer	4	50%	CNP 105	90	0	110
		grout pump	4	50%	CNP 106	105	-10	
		drilling rig	4	50%	BS C2/43	102	-10	
A1191	Capping beam construction for Cantilever Retaining Wall	air compressor	2	50%	CNP 003	104	-10	111
		generator	1	100%	CNP 103	95	-10	
		concrete pump	1	50%	BS C4/21	105	-10	
		lorry	3	50%	BS D9/24	104	-5	
		poker, vibratory	3	50%	BS D6/40	98	-5	
		bar bender and cutter	4	30%	CNP 021	90	-10	
		air blower	4	50%	CNP 006	95	0	
		saw	4	40%	CNP 205	101	-5	
		mobile crane	2	50%	BS D7/101	94	-5	
A1200	Excavation and slope cutting	excavator	1	50%	BS D3/35	106	-5	115
		excavator with hydraulic breaker	1	40%	BS C1/9	118	-5	
		hydraulic rock splitter	3	30%	BS C12/2	101	0	
A1210	Portal Slope Stabilisation works	drilling rig	4	50%	BS C2/43	102	-10	112
		air compressor	4	50%	CNP 003	104	-10	
		grouting machine	4	50%	CNP 106	105	0	
		generator	4	100%	CNP 103	95	-10	
A1201	Piling works	drilling rig	1	50%	BS C2/43	102	-10	9
		piling rig	1	50%	BS C3/14	111	0	
		water pump	1	50%	CNP 281	88	0	
		crawler crane	1	50%	BS D7/112	102	-5	
		concrete pump	1	50%	BS C4/21	105	-10	
		generator	1	100%	CNP 103	95	-10	
		concrete lorry mixer	1	50%	BS D6/33	96	-5	
		air compressor	1	50%	CNP 003	104	-10	
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	drilling jumbo	1	50%	BS D10/2	112	-10	111
		lorry	1	50%	BS D9/24	104	-5	
		dump truck	1	50%	BS D9/24	104	-5	
		excavator	1	50%	BS D3/35	106	-5	
		air compressor	1	50%	CNP 003	104	-10	
Cavern Construction								
Cavern Excavation (Drill & Blast)								
A1931	Manuvour and handling of C&D materials in Area 73	excavator	25	50%	BS D3/35	106	-5	117
Vent Shaft at A Kung Kok Shan								
A1360	Site Formation for Works Area	excavator	2	50%	BS D3/35	106	-5	110
		lorry	2	50%	BS D9/24	104	-5	
		dump truck	2	50%	BS D9/24	104	-5	
		roller	2	50%	BS C2/38	101	-5	
A1370	Construction of Guide wall	concrete mixer	1	50%	CNP 046	96	-5	106
		excavator	1	50%	BS D3/35	106	-5	
		lorry	1	50%	BS D9/24	104	-5	
		poker, vibratory	1	50%	BS D6/40	98	-5	
A1380	Setting up for construction of Diaphragm Wall	excavator	1	50%	BS D3/35	106	-5	107
		lorry	1	50%	BS D9/24	104	-5	
		dump truck	1	50%	BS D9/24	104	-5	
		crane	1	50%	BS D7/101	94	-5	
A1390	Construction of Diaphragm Wall	pump	2	50%	CNP 281	88	0	111
		crane	2	50%	BS D7/101	94	-5	
		grab	2	40%	CNP 069	105	-5	
		hydrofraise	2	60%	CNP 166	100	0	

Construction Plant Inventory for NSRs NR-C10 (with Less PME within 120m from the NSR)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Barrier Corr., dB(A)	SWL / Activity, dB(A)
		concrete mixer	2	50%	CNP 046	96	-5	
		generator	3	100%	CNP 103	95	-10	
		air compressor	4	50%	CNP 003	104	-10	
		desander	1	80%	CNP 162	105	-10	
A1400	Testing of Diaphragm Wall	grout mixer	4	50%	CNP 105	90	0	110
		grout pump	4	50%	CNP 106	105	-10	
		drilling rig	4	50%	BS C2/43	102	-10	
A1590	Excavation in Soft Ground (16m depth)	excavator	2	50%	BS D3/35	106	-5	108
		lorry	2	50%	BS D9/24	104	-5	
		crane	2	50%	BS D7/101	94	-5	
A1591	Setting up for Noise Enclosure	bar bender and cutter	2	30%	CNP 021	90	-10	110
		poker, vibratory	3	50%	BS D6/40	98	-5	
		air compressor	2	50%	CNP 003	104	-10	
		concrete lorry mixer	2	50%	BS D6/33	96	-5	
		concrete pump	2	50%	BS C4/21	105	-10	
		mobile crane	1	50%	BS D7/101	94	-5	
		cherry picker	1	50%	BS C4/54	107	0	
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	drilling jumbo	1	50%	BS D10/2	112	-10	114
		lorry	1	50%	BS D9/24	104	-5	
		dump truck	1	50%	BS D9/24	104	-5	
		excavator	1	50%	BS D3/35	106	-5	
		air compressor	1	50%	CNP 003	104	-10	
		water pump	1	50%	CNP 281	88	0	
		generator	1	100%	CNP 103	95	-10	
		cherry picker	1	50%	BS C4/54	107	0	
		ventilation fan	2	50%	CNP 241	108	0	
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	raiseboring rig	1	30%	BS C3/17	104	0	105
		dump truck	2	50%	BS D9/24	104	-5	
Emergency Access Tunnel Portal								
Preparation Works								
A1240	Mobilisation and general site clearance	excavator	2	50%	BS D3/35	106	-5	110
		lorry	2	50%	BS D9/24	104	-5	
		dump truck	2	50%	BS D9/24	104	-5	
Construction Works								
A1260	Erection of working platform for bored pile wall construction	crane	2	50%	BS D7/101	94	-5	111
		lorry	2	50%	BS D9/24	104	-5	
		excavator	2	50%	BS D3/35	106	-5	
		dump truck	2	50%	BS D9/24	104	-5	
		air compressor	2	50%	CNP 003	104	-10	
		hoist	2	50%	CNP 122	95	0	
A1270	Pre-drilling for bored pile wall	drilling rig	10	50%	BS C2/43	102	-10	109
A1280	Cantilever Retaining Wall	crawler crane	4	50%	BS D7/112	102	-5	121
		concrete pump	3	50%	BS C4/21	105	-10	
		air compressor	4	50%	CNP 003	104	-10	
		oscillator	4	50%	CNP 165	115	0	
		RCD	4	50%	CNP 166	100	0	
		generator	4	100%	CNP 103	95	-10	
		chisel	3	40%	CNP 164	115	-10	
		concrete lorry mixer	3	50%	BS D6/33	96	-5	
		water pump	3	50%	CNP 281	88	0	
		bar bender and cutter	3	30%	CNP 021	90	-10	
		dump truck	4	50%	BS D9/24	104	-5	
A1290	Testing for bored piles	grout mixer	4	50%	CNP 105	90	0	110
		grout pump	4	50%	CNP 106	105	-10	
		drilling rig	4	50%	BS C2/43	102	-10	
A1300	Excavation and slope cutting	excavator	2	50%	BS D3/35	106	-5	117
		excavator with hydraulic breaker	2	40%	BS C1/9	118	-5	
		hydraulic rock splitter	3	30%	BS C12/2	101	0	
A1310	Soil backfilling and compaction	excavator	4	50%	BS D3/35	106	-5	110
		roller, vibratory	2	50%	BS C2/39	102	-5	
A1320	Portal Slope Stabilisation works	drilling rig	4	50%	BS C2/43	102	-10	112
		air compressor	4	50%	CNP 003	104	-10	
		grouting machine	4	50%	CNP 106	105	0	
		generator	4	100%	CNP 103	95	-10	
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	drilling rig	4	50%	BS C2/43	102	-10	114
		lorry	4	50%	BS D9/24	104	-5	
		dump truck	4	50%	BS D9/24	104	-5	

Construction Plant Inventory for NSRs NR-C10 (with Less PME within 120m from the NSR)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Barrier Corr., dB(A)	SWL / Activity, dB(A)
		excavator	4	50%	BS D3/35	106	-5	
		air compressor	4	50%	CNP 003	104	-10	
Construction of effluent pipeline								
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	excavator	1	50%	BS D3/35	106	0	108
		drilling rig	1	50%	BS C2/43	102	0	
		air compressor	1	50%	CNP 003	104	0	
		grout mixer	1	50%	CNP 105	90	0	
		grout pump	1	50%	CNP 106	105	0	
		generator	1	100%	CNP 103	95	0	
A1940-	Condition survey	excavator	1	50%	BS D3/35	106	0	108
		drilling rig	1	50%	BS C2/43	102	0	
		air compressor	1	50%	CNP 003	104	0	
		grout mixer	1	50%	CNP 105	90	0	
		grout pump	1	50%	CNP 106	105	0	
		generator	1	100%	CNP 103	95	0	
A1940-	Tunnel strengthening works	excavator	1	50%	BS D3/35	106	0	108
		drilling rig	1	50%	BS C2/43	102	0	
		air compressor	1	50%	CNP 003	104	0	
		grout mixer	1	50%	CNP 105	90	0	
		grout pump	1	50%	CNP 106	105	0	
		generator	1	100%	CNP 103	95	0	
A1940-	Tunnel strengthening works	excavator	1	50%	BS D3/35	106	0	108
		drilling rig	1	50%	BS C2/43	102	0	
		air compressor	1	50%	CNP 003	104	0	
		grout mixer	1	50%	CNP 105	90	0	
		grout pump	1	50%	CNP 106	105	0	
		generator	1	100%	CNP 103	95	0	
A1941	Soft ground excavation	drilling jumbo	1	50%	BS D10/2	112	0	113
		lorry	1	50%	BS D9/24	104	0	
		dump truck	1	50%	BS D9/24	104	0	
		excavator	1	50%	BS D3/35	106	0	
		cherry picker	1	50%	BS C4/54	107	0	
		ventilation fan	1	50%	CNP 241	108	0	
A1943	Set up of micro TBM	crane	1	50%	BS D7/101	94	0	97
		generator	1	100%	CNP 103	95	0	
		pump	1	50%	CNP 281	88	0	
A1945	Modification of existing inlet chamber and complete connection*	mobile crane	1	50%	BS D7/101	94	0	109
		generator	1	100%	CNP 103	95	0	
		air compressor	1	50%	CNP 003	104	0	
		breaker	1	50%	BS D8/12	106	0	
		concrete pump	1	50%	BS C4/21	105	0	
		poker, vibratory	1	50%	BS D6/40	98	0	
		saw	1	40%	CNP 205	101	0	
		lorry	1	50%	BS D9/24	104	0	
		concrete lorry mixer	1	50%	BS D6/33	96	0	
Package 2 - Civil and E&M Works and T&C of relocated STSTW								
E&M Installation								
A1690	Construction of civil & builders works of relocated STSTW	excavator	5	50%	BS D3/35	106	-5	120
		crawler crane	10	50%	BS D7/112	102	-5	
		dump truck	10	50%	BS D9/24	104	-5	
		lorry	10	50%	BS D9/24	104	-5	
		generator	10	100%	CNP 103	95	-10	
		air compressor	10	50%	CNP 003	104	-10	
		ventilation fan	6	50%	CNP 241	108	0	
		cherry picker	5	50%	BS C4/54	107	0	
A1720	Construction of transformer and plant control room at main access tunnel portal area	crawler crane	1	50%	BS D7/112	102	-5	106
		concrete lorry mixer	1	50%	BS D6/33	96	-5	
		concrete pump	1	50%	BS C4/21	105	-10	
		lorry	1	50%	BS D9/24	104	-5	
A1730	Construction of ventilation building at main access tunnel portal area	air compressor	2	50%	CNP 003	104	-10	111
		generator	1	100%	CNP 103	95	-10	
		breaker	2	50%	BS D8/12	106	-5	
		concrete pump	1	50%	BS C4/21	105	-10	
		crane	1	50%	BS D7/101	94	-5	
		lorry	3	50%	BS D9/24	104	-5	
		poker, vibratory	3	50%	BS D6/40	98	-5	

Construction Plant Inventory for NSRs NR-C10 (with Less PME within 120m from the NSR)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Barrier Corr., dB(A)	SWL / Activity, dB(A)
		bar bender and cutter	4	30%	CNP 021	90	-10	
		air blower	4	50%	CNP 006	95	0	
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	crane	2	50%	BS D7/101	94	-5	106
		generator	1	100%	CNP 103	95	-10	
		lorry	3	50%	BS D9/24	104	-5	
A1760	Proposed roadworks and landscaping	excavator	2	50%	BS D3/35	106	-5	111
		concrete pump	2	50%	BS C4/21	105	-10	
		poker, vibratory	2	50%	BS D6/40	98	-5	
		dump truck	2	50%	BS D9/24	104	-5	
		generator	1	100%	CNP 103	95	-10	
		paver	1	50%	BS C5/33	103	-5	
		roller	4	50%	BS C2/38	101	-5	
Emergency Outfall Construction								
A1740	Mobilisation of plant and equipment on Site	excavator	2	50%	BS D3/35	106	-5	110
		lorry	2	50%	BS D9/24	104	-5	
		dump truck	2	50%	BS D9/24	104	-5	
A1770	Construction of jacking pit at Portal	lorry	2	50%	BS D9/24	104	-5	114
		dump truck	2	50%	BS D9/24	104	-5	
		excavator	2	50%	BS D3/35	106	-5	
		concrete mixer	2	50%	CNP 046	96	-5	
		crane	1	50%	BS D7/101	94	-5	
		generator	2	100%	CNP 103	95	-10	
		air compressor	2	50%	CNP 003	104	-10	
		water pump	3	50%	CNP 281	88	0	
		ventilation fan	3	50%	CNP 241	108	0	
		welder/generator portable	3	50%	BS C3/32	101	0	
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	lorry	2	50%	BS D9/24	104	-5	114
		dump truck	2	50%	BS D9/24	104	-5	
		excavator	2	50%	BS D3/35	106	-5	
		concrete mixer	2	50%	CNP 046	96	-5	
		crane	1	50%	BS D7/101	94	-5	
		generator	2	100%	CNP 103	95	-10	
		air compressor	2	50%	CNP 003	104	-10	
		water pump	3	50%	CNP 281	88	0	
		ventilation fan	3	50%	CNP 241	108	0	
		welder/generator portable	3	50%	BS C3/32	101	0	
A1772	Construction of 2nd intermediate pit at Area 73	lorry	2	50%	BS D9/24	104	-5	114
		dump truck	2	50%	BS D9/24	104	-5	
		excavator	2	50%	BS D3/35	106	-5	
		concrete mixer	2	50%	CNP 046	96	-5	
		crane	1	50%	BS D7/101	94	-5	
		generator	2	100%	CNP 103	95	-10	
		air compressor	2	50%	CNP 003	104	-10	
		water pump	3	50%	CNP 281	88	0	
		ventilation fan	3	50%	CNP 241	108	0	
		welder/generator portable	3	50%	BS C3/32	101	0	
A1773	Construction of Receiving pit at existing STSTW	lorry	2	50%	BS D9/24	104	-5	114
		dump truck	2	50%	BS D9/24	104	-5	
		excavator	2	50%	BS D3/35	106	-5	
		concrete mixer	2	50%	CNP 046	96	-5	
		crane	1	50%	BS D7/101	94	-5	
		generator	2	100%	CNP 103	95	-10	
		air compressor	2	50%	CNP 003	104	-10	
		water pump	3	50%	CNP 281	88	0	
		ventilation fan	3	50%	CNP 241	108	0	
		welder/generator portable	3	50%	BS C3/32	101	0	
A1830	Pipe installation of remaining part and connection to existing submarine outfall	lorry	1	50%	BS D9/24	104	-5	108
		dump truck	1	50%	BS D9/24	104	-5	
		excavator	1	50%	BS D3/35	106	-5	
		concrete mixer	1	50%	CNP 046	96	-5	
		crawler crane	1	50%	BS D7/112	102	-5	
		generator	1	100%	CNP 103	95	-10	
		air compressor	1	50%	CNP 003	104	-10	
Package 3 - Construction of Ancillary Facilities								
Administration Buildings and other ancillary facilities construction								
A1430	Construction of Administration Buildings and other ancillary facilities	air compressor	2	50%	CNP 003	104	-10	112
		generator	1	100%	CNP 103	95	-10	

Construction Plant Inventory for NSRs NR-C10 (with Less PME within 120m from the NSR)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Barrier Corr., dB(A)	SWL / Activity, dB(A)
		breaker	2	50%	BS D8/12	106	-5	
		concrete pump	1	50%	BS C4/21	105	-10	
		tower crane	3	30%	CNP 049	95	0	
		lorry	3	50%	BS D9/24	104	-5	
		poker, vibratory	3	50%	BS D6/40	98	-5	
		bar bender and cutter	4	30%	CNP 021	90	-10	
		air blower	4	50%	CNP 006	95	0	
		saw	4	40%	CNP 205	101	-5	
		mobile crane	2	50%	BS D7/101	94	-5	
Package 4 - Decommissioning and Demolition of Existing STSTW								
A1450	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-5	124
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-5	
		dump truck	10	50%	BS D9/24	104	-5	
		air compressor	5	50%	CNP 003	104	-10	
		generator	5	100%	CNP 103	95	-10	
		lorry	5	50%	BS D9/24	104	-5	
		mobile crane	2	50%	BS D7/101	94	-5	
		cutter	5	50%	CNP 056	112	0	
		breaker, hand-held	10	50%	CNP 025	111	-5	
A1451	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-5	124
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-5	
		dump truck	10	50%	BS D9/24	104	-5	
		air compressor	5	50%	CNP 003	104	-10	
		generator	5	100%	CNP 103	95	-10	
		lorry	5	50%	BS D9/24	104	-5	
		mobile crane	2	50%	BS D7/101	94	-5	
		cutter	5	50%	CNP 056	112	0	
		breaker, hand-held	10	50%	CNP 025	111	-5	
A1452	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-5	124
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-5	
		dump truck	10	50%	BS D9/24	104	-5	
		air compressor	5	50%	CNP 003	104	-10	
		generator	5	100%	CNP 103	95	-10	
		lorry	5	50%	BS D9/24	104	-5	
		mobile crane	2	50%	BS D7/101	94	-5	
		cutter	5	50%	CNP 056	112	0	
		breaker, hand-held	10	50%	CNP 025	111	-5	
A1453	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-5	124
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-5	
		dump truck	10	50%	BS D9/24	104	-5	
		air compressor	5	50%	CNP 003	104	-10	
		generator	5	100%	CNP 103	95	-10	
		lorry	5	50%	BS D9/24	104	-5	
		mobile crane	2	50%	BS D7/101	94	-5	
		cutter	5	50%	CNP 056	112	0	
		breaker, hand-held	10	50%	CNP 025	111	-5	

Predicted Construction Noise Levels at Noise Sensitive Receiver

Assuming limited construction plant within 120m from NSR NR-C10

NR-C10 The Neighbourhood Advice-Action Council Harmony Manor

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																							
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																							
Access Road for Magazine at A Kung Kok Road																																																							
Construction of Temporary Haul Road																																																							
M1010	Mobilisation and site clearance	70	110	0	-45	3	68	68	68	68	68	68	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	70	111	0	-45	3	69	-	-	-	-	-	-	69	69	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	70	111	0	-45	3	69	-	-	-	-	-	-	-	-	69	69	69	69	69	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																							
M1040	Piling Foundation for Retaining Wall	70	110	0	-45	3	68	-	-	-	-	-	-	-	-	-	68	68	68	68	68	68	68	68	68	68	68	68	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	70	108	0	-45	3	66	-	-	-	-	-	-	-	-	-	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	70	112	0	-45	3	70	-	-	-	-	-	-	-	-	-	-	-	70	70	70	70	70	70	70	70	70	70	70	70	70	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	70	104	0	-45	3	62	-	-	-	-	-	-	-	-	-	-	-	-	62	62	62	62	62	62	62	62	62	62	62	62	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	70	106	0	-45	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	64	64	64	64	64	64	64	64	64	64	64	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	70	106	0	-45	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	64	64	64	64	64	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																							
M1100	Site Formation & Construction of Explosive Compound Structure	70	107	0	-45	3	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	65	65	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	70	109	0	-45	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	67	67	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																							
Natural Terrain Hazard Mitigation Works-1																																																							
A1549	Mobilisation and site clearance	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	880	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																							
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																							
Preparation Works																																																							
A1010	Mobilisation and site clearance	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																							
A1020	Construction of Retaining Wall	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																							
A1060	Soft ground excavation for Pilot Construction Adit	909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																							
Preparation Works																																																							
A1080	Mobilisation and general site clearance	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																							
A1100	Excavation and slope cutting	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																							
Preparation Works																																																							
A1130	Mobilisation, general site clearance and levelling	908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																							
A1160	Erection of working platform for bored pile wall construction	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	903	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver

Assuming limited construction plant within 120m from NSR NR-C10

NR-C10 The Neighbourhood Advice-Action Council Harmony Manor

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	63	63	63	63	63	63	63	63	63	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	70	106	-5	-45	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	70	107	-5	-45	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	70	111	-5	-45	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	64	64	64	64	64	64	64
A1400	Testing of Diaphragm Wall	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63
A1590	Excavation in Soft Ground (16m depth)	70	108	-5	-45	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	70	114	-10	-45	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	62	62	62	62	62	62	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	70	105	-10	-45	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	852	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	852	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	852	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	852	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	852	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	852	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	878	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	125	120	-10	-50	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	125	111	0	-50	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	Predicted Overall Noise Level in Leq (30-min), dB(A)							68	68	68	68	68	68	69	69	72	73	73	75	75	75	75	75	75	75	75	75	75	73	73	73	72	67	50	50	63	63	63	63	63	63	63	66	66	67	65	67	66	66	64	64	64	64	67

Predicted Construction Noise Levels at Noise Sensitive Receiver

Assuming limited construction plant within 120m from NSR NR-C10

NR-C10 The Neighbourhood Advice-Action Council Harmony Manor

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	70	110	0	-45	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	70	111	0	-45	3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	70	111	0	-45	3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	70	110	0	-45	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	70	108	0	-45	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	70	112	0	-45	3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	70	104	0	-45	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	70	106	0	-45	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	70	106	0	-45	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	70	107	0	-45	3	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	70	109	0	-45	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	880	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	903	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver

Assuming limited construction plant within 120m from NSR NR-C10

NR-C10 The Neighbourhood Advice-Action Council Harmony Manor

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	70	106	-5	-45	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	70	107	-5	-45	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	70	111	-5	-45	3	64	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	70	110	-5	-45	3	63	63	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	70	108	-5	-45	3	61	-	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	70	110	-5	-45	3	63	-	-	-	63	63	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	70	114	-10	-45	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	70	105	-10	-45	3	53	-	-	-	-	-	53	53	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	852	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	852	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	852	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	852	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	852	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	852	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	878	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	125	120	-10	-50	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
A1720	Construction of transformer and plant control room at main access tunnel portal area	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	125	111	0	-50	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	64	64	64	64	64	64	64	64	64	64	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Predicted Overall Noise Level in Leq (30-min), dB(A)								67	65	62	65	63	64	55	55	50	50	50	50	50	50	63	63	63	63	63	63	63	67	67	67	67	67	67	67	67	67	67	67	63	63	50	50	50	50	50	50	50	50	50	50	50	50

Predicted Construction Noise Levels at Noise Sensitive Receiver

Assuming limited construction plant within 120m from NSR NR-C10

NR-C10 The Neighbourhood Advice-Action Council Harmony Manor

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	70	110	0	-45	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	70	111	0	-45	3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	70	111	0	-45	3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	70	110	0	-45	3	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	70	108	0	-45	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	70	112	0	-45	3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	70	104	0	-45	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	70	106	0	-45	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	70	106	0	-45	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	70	107	0	-45	3	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	70	109	0	-45	3	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	880	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	903	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver

Assuming limited construction plant within 120m from NSR NR-C10

NR-C10 The Neighbourhood Advice-Action Council Harmony Manor

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	70	106	-5	-45	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	70	107	-5	-45	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	70	111	-5	-45	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	70	108	-5	-45	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	70	114	-10	-45	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	70	105	-10	-45	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	852	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	852	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	852	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	852	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	852	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	852	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	878	-	0	-67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	125	120	-10	-50	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	125	111	0	-50	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	50	50	50	50	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							50	50	50	50	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver

Assuming at least 120m notional distance from NSR NR-C10

NR-C10 The Neighbourhood Advice-Action Council Harmony Manor

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																							
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																							
Access Road for Magazine at A Kung Kok Road																																																							
Construction of Temporary Haul Road																																																							
M1010	Mobilisation and site clearance	120	110	0	-50	3	63	63	63	63	63	63	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	120	111	0	-50	3	64	-	-	-	-	-	-	64	64	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	120	111	0	-50	3	64	-	-	-	-	-	-	-	-	64	64	64	64	64	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																							
M1040	Piling Foundation for Retaining Wall	120	116	0	-50	3	69	-	-	-	-	-	-	-	-	-	69	69	69	69	69	69	69	69	69	69	69	69	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	120	113	0	-50	3	66	-	-	-	-	-	-	-	-	-	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	120	117	0	-50	3	70	-	-	-	-	-	-	-	-	-	-	-	70	70	70	70	70	70	70	70	70	70	70	70	70	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	120	110	0	-50	3	63	-	-	-	-	-	-	-	-	-	-	-	-	63	63	63	63	63	63	63	63	63	63	63	63	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	120	108	0	-50	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61	61	61	61	61	61	61	61	61	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	120	108	0	-50	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61	61	61	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																							
M1100	Site Formation & Construction of Explosive Compound Structure	120	107	0	-50	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	120	112	0	-50	3	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	65	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																							
Natural Terrain Hazard Mitigation Works-1																																																							
A1549	Mobilisation and site clearance	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	880	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																							
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																							
Preparation Works																																																							
A1010	Mobilisation and site clearance	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																							
A1020	Construction of Retaining Wall	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																							
A1060	Soft ground excavation for Pilot Construction Adit	909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																							
Preparation Works																																																							
A1080	Mobilisation and general site clearance	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																							
A1100	Excavation and slope cutting	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																							
Preparation Works																																																							
A1130	Mobilisation, general site clearance and levelling	908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																							
A1160	Erection of working platform for bored pile wall construction	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	903	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver

Assuming at least 120m notional distance from NSR NR-C10

NR-C10 The Neighbourhood Advice-Action Council Harmony Manor

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	63	63	63	63	63	63	63	63	63	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	70	106	-5	-45	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	59	59	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	70	107	-5	-45	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	70	111	-5	-45	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	64	64	64	64	64	64	64
A1400	Testing of Diaphragm Wall	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63
A1590	Excavation in Soft Ground (16m depth)	70	108	-5	-45	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	70	114	-10	-45	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	62	62	62	62	62	62	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	70	105	-10	-45	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	878	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	125	120	-10	-50	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	125	111	0	-50	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	Predicted Overall Noise Level in Leq (30-min), dB(A)							63	63	63	63	63	63	64	64	67	71	71	74	74	74	74	74	74	74	75	74	75	75	73	73	73	71	64	50	50	63	63	63	63	63	63	63	66	66	67	65	67	66	66	64	64	64	64	67

Predicted Construction Noise Levels at Noise Sensitive Receiver

Assuming at least 120m notional distance from NSR NR-C10

NR-C10 The Neighbourhood Advice-Action Council Harmony Manor

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	120	110	0	-50	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	120	111	0	-50	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	120	111	0	-50	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	120	116	0	-50	3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	120	113	0	-50	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	120	117	0	-50	3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	120	110	0	-50	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	120	108	0	-50	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	120	108	0	-50	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	120	107	0	-50	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	120	112	0	-50	3	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	880	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	903	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver

Assuming at least 120m notional distance from NSR NR-C10

NR-C10 The Neighbourhood Advice-Action Council Harmony Manor

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	70	106	-5	-45	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	70	107	-5	-45	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	70	111	-5	-45	3	64	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	70	110	-5	-45	3	63	63	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	70	108	-5	-45	3	61	-	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	70	110	-5	-45	3	63	-	-	-	63	63	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	70	114	-10	-45	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	70	105	-10	-45	3	53	-	-	-	-	-	53	53	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	878	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	125	120	-10	-50	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	125	111	0	-50	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	64	64	64	64	64	64	64	64	64	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Predicted Overall Noise Level in Leq (30-min), dB(A)								67	65	62	65	63	64	55	55	50	50	50	50	50	50	63	63	63	63	63	63	63	67	67	67	67	67	67	67	67	67	67	63	63	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50

Predicted Construction Noise Levels at Noise Sensitive Receiver

Assuming at least 120m notional distance from NSR NR-C10

NR-C10 The Neighbourhood Advice-Action Council Harmony Manor

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	120	110	0	-50	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	120	111	0	-50	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	120	111	0	-50	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	120	116	0	-50	3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	120	113	0	-50	3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	120	117	0	-50	3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	120	110	0	-50	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	120	108	0	-50	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	120	108	0	-50	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	120	107	0	-50	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	120	112	0	-50	3	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	880	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	942	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	903	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver

Assuming at least 120m notional distance from NSR NR-C10

NR-C10 The Neighbourhood Advice-Action Council Harmony Manor

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	70	106	-5	-45	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	70	107	-5	-45	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	70	111	-5	-45	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	70	108	-5	-45	3	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	70	110	-5	-45	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	70	114	-10	-45	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	70	105	-10	-45	3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	1025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	878	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	125	120	-10	-50	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	125	111	0	-50	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	1165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	50	50	50	50	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							50	50	50	50	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Construction Plant Inventory for NSRs NR-D07 (with Use of Movable Barrier)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity (Calc)
7											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW											
Access Road for Magazine at A Kung Kok Road											
Construction of Temporary Haul Road											
M1010	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	100
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
M1020	Site Formation and Platform Erection for Works Area	excavator	3	50%	BS D3/35	106	-10	-5	-10	98	101
		lorry	3	50%	BS D9/24	104	-10	-5	-10	96	
		dump truck	3	50%	BS D9/24	104	-10	-5	-10	96	
M1030	Formation of Temporary Haul Road (incl temp slope works)	excavator	3	50%	BS D3/35	106	-10	-5	-10	98	101
		lorry	3	50%	BS D9/24	104	-10	-5	-10	96	
		dump truck	3	50%	BS D9/24	104	-10	-5	-10	96	
Construction of Access Road											
M1040	Piling Foundation for Retaining Wall	drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	106
		piling rig	4	50%	BS C3/14	111	-10	0	-10	104	
		water pump	4	50%	CNP 281	88	-10	0	-10	81	
		crawler crane	2	50%	BS D7/112	102	-10	-5	-10	92	
		bar bender and cutter	2	30%	CNP 021	90	-10	-10	-10	78	
		concrete pump	2	50%	BS C4/21	105	-10	-10	-10	95	
		generator	2	100%	CNP 103	95	-10	-10	-10	88	
		concrete lorry mixer	3	50%	BS D6/33	96	-10	-5	-10	88	
		air compressor	2	50%	CNP 003	104	-10	-10	-10	94	
M1050	Permanent Slope Works	excavator	3	50%	BS D3/35	106	-10	-5	-10	98	103
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	3	50%	BS D9/24	104	-10	-5	-10	96	
		drilling rig	3	50%	BS C2/43	102	-10	-10	-10	94	
		grout mixer	3	50%	CNP 105	90	-10	0	-10	82	
		grout pump	3	50%	CNP 106	105	-10	-10	-10	97	
M1060	Retaining Wall & Elevated Section	concrete lorry mixer	4	50%	BS D6/33	96	-10	-5	-10	89	107
		dump truck	4	50%	BS D9/24	104	-10	-5	-10	97	
		excavator	4	50%	BS D3/35	106	-10	-5	-10	99	
		circular saw	4	40%	BS D7/78	106	-10	-5	-10	98	
		crane	4	50%	BS D7/101	94	-10	-5	-10	87	
		poker, vibratory	4	50%	BS D6/40	98	-10	-5	-10	91	
		bar bender and cutter	2	30%	CNP 021	90	-10	-10	-10	78	
		generator	2	100%	CNP 103	95	-10	-10	-10	88	
		breaker (pneumatic)	3	50%	BS C9/12	113	-10	-5	-10	105	
M1070	Soil Backfilling and Compaction	excavator	4	50%	BS D3/35	106	-10	-5	-10	99	100
		roller, vibratory	2	50%	BS C2/39	102	-10	-5	-10	92	
M1080	Permanent Access Road & Other Road Furniture	lorry	2	50%	BS D9/24	104	-10	-5	-10	94	98
		roller, vibratory	1	50%	BS C2/39	102	-10	-5	-10	89	
		poker, vibratory	2	50%	BS D6/40	98	-10	-5	-10	88	
		compactor	1	50%	CNP 050	105	-10	-5	-10	92	
		mobile crane	2	50%	BS D7/101	94	-10	-5	-10	84	
		concrete mixer	1	50%	CNP 046	96	-10	-5	-10	83	
M1090	Remaining Works	lorry	2	50%	BS D9/24	104	-10	-5	-10	94	98
		roller, vibratory	1	50%	BS C2/39	102	-10	-5	-10	89	
		poker, vibratory	2	50%	BS D6/40	98	-10	-5	-10	88	
		compactor	1	50%	CNP 050	105	-10	-5	-10	92	
		mobile crane	2	50%	BS D7/101	94	-10	-5	-10	84	
		concrete mixer	1	50%	CNP 046	96	-10	-5	-10	83	
Construction of Explosive Compound Structure											
M1100	Site Formation & Construction of Explosive Compound Structure	excavator	1	50%	BS D3/35	106	-10	-5	-10	93	97
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		dump truck	1	50%	BS D9/24	104	-10	-5	-10	91	
		roller	1	50%	BS C2/38	101	-10	-5	-10	88	
M1110	E&M Installation for Explosive Compound Structure	air compressor	1	50%	CNP 003	104	-10	-10	-10	91	102
		breaker, hand-held	2	50%	CNP 025	111	-10	-5	-10	101	
		concrete lorry mixer	1	50%	BS D6/33	96	-10	-5	-10	83	
		poker, vibratory	2	50%	BS D6/40	98	-10	-5	-10	88	
		generator	2	100%	CNP 103	95	-10	-10	-10	88	
Main Access Tunnel											
Natural Terrain Hazard Mitigation Works-1											
A1549	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	

Construction Plant Inventory for NSRs NR-D07 (with Use of Movable Barrier)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity (Calc)
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1550	NTHS-Construction of Check Dam near East Portal	poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	106
		breaker, hand-held	1	50%	CNP 025	111	0	-5	-5	103	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		compactor	1	50%	CNP 050	105	0	-5	-5	97	
A1560	NTHS-Construction of Check Dam near West Portal	poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	106
		breaker, hand-held	1	50%	CNP 025	111	0	-5	-5	103	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		compactor	1	50%	CNP 050	105	0	-5	-5	97	
A1570	NTHS-Construction of Check Dam near Emergency Portal	poker, vibratory	1	50%	BS D6/40	98	-10	-5	-10	85	102
		breaker, hand-held	1	50%	CNP 025	111	-10	-5	-10	98	
		excavator	1	50%	BS D3/35	106	-10	-5	-10	93	
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		grout mixer	1	50%	CNP 105	90	-10	0	-10	77	
		grout pump	1	50%	CNP 106	105	-10	-10	-10	92	
		concrete lorry mixer	1	50%	BS D6/33	96	-10	-5	-10	83	
		concrete pump	1	50%	BS C4/21	105	-10	-10	-10	92	
		compactor	1	50%	CNP 050	105	-10	-5	-10	92	
A1580	Boulder Fall Fence Construction	poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	110
		breaker, hand-held	1	50%	CNP 025	111	0	-5	-5	103	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		piling rig	1	50%	BS C3/14	111	0	0	0	108	
		bar bender and cutter	1	30%	CNP 021	90	0	-10	-10	75	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
Temporary Road Construction											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	excavator	2	50%	BS D3/35	106	-5	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	-5	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	-5	-5	-5	99	
A2110	Temporary road construction	excavator	1	50%	BS D3/35	106	0	-5	-5	98	103
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		roller	1	50%	BS C2/38	101	0	-5	-5	93	
		concrete mixer	1	50%	CNP 046	96	0	-5	-5	88	
		poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	
A2120	Temporary steel bridge across Ah Kwong Kok Street	crane	1	50%	BS D7/101	94	0	-5	-5	86	103
		hoist	1	50%	CNP 122	95	0	0	0	92	
		Mini piling rig	1	50%	BS C3/17	104	0	0	0	101	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		welder/generator portable	1	50%	BS C3/32	101	0	0	0	98	
Pilot Construction Adit											
Preparation Works											
A1010	Mobilisation and site clearance	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
Site Formation Works of Portal											
A1020	Construction of Retaining Wall	concrete lorry mixer	3	50%	BS D6/33	96	0	-5	-5	93	111
		dump truck	3	50%	BS D9/24	104	0	-5	-5	101	
		excavator	3	50%	BS D3/35	106	0	-5	-5	103	
		circular saw	3	40%	BS D7/78	106	0	-5	-5	102	
		crane	3	50%	BS D7/101	94	0	-5	-5	91	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	2	30%	CNP 021	90	0	-10	-10	78	

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		generator	2	100%	CNP 103	95	0	-10	-10	88	
		breaker (pneumatic)	2	50%	BS C9/12	113	0	-5	-5	108	
A1030	Portal Slope Stabilisation Works	drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	96
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	excavator	1	50%	BS D3/35	106	0	-5	-5	98	110
		excavator with hydraulic breaker	1	40%	BS C1/9	118	0	-5	-5	109	
		hydraulic rock splitter	1	30%	BS C12/2	101	0	0	0	96	
A1050	Drainage provision and surface protection	crane	1	50%	BS D7/101	94	0	-5	-5	86	98
		roller	1	50%	BS C2/38	101	0	-5	-5	93	
		truck	1	50%	BS D9/24	104	0	-5	-5	96	
Excavation of Adit Tunnel											
A1060	Soft ground excavation for Pilot Construction Adit	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	103
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
A1070	Hard ground excavation for Pilot Construction Adit	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	109
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		water pump	1	50%	CNP 281	88	0	0	0	85	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		cherry picker	1	50%	BS C4/54	107	0	0	0	104	
		ventilation fan	1	50%	CNP 241	108	0	0	0	105	
Main Access Tunnel Portal (East)											
Preparation Works											
A1080	Mobilisation and general site clearance	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1090	Diversion of existing utilities	excavator	2	50%	BS D3/35	106	0	-5	-5	101	103
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
Site Formation Works of Portal (East)											
A1100	Excavation and slope cutting	excavator	1	50%	BS D3/35	106	0	-5	-5	98	110
		excavator with hydraulic breaker	1	40%	BS C1/9	118	0	-5	-5	109	
		hydraulic rock splitter	2	30%	BS C12/2	101	0	0	0	99	
A1110	Portal Slope Stabilisation Works	drilling rig	3	50%	BS C2/43	102	0	-10	-10	94	101
		air compressor	3	50%	CNP 003	104	0	-10	-10	96	
		grout mixer	3	50%	CNP 105	90	0	0	0	92	
		grout pump	3	50%	CNP 106	105	0	-10	-10	97	
		generator	3	100%	CNP 103	95	0	-10	-10	90	
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	107
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		crawler crane	2	50%	BS D7/112	102	0	-5	-5	97	
		concrete lorry mixer	2	50%	BS D6/33	96	0	-5	-5	91	
		concrete pump	2	50%	BS C4/21	105	0	-10	-10	95	
		water pump, submersible	3	50%	CNP 283	85	0	0	0	87	
		grout mixer	2	50%	CNP 105	90	0	0	0	90	
		grout pump	2	50%	CNP 106	105	0	-10	-10	95	
Main Access Tunnel Portal (West)											
Preparation Works											
A1130	Mobilisation, general site clearance and levelling	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1140	Diversion of existing utilities	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		mobile crane	1	50%	BS D7/101	94	0	-5	-5	86	
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	excavator	2	50%	BS D3/35	106	0	-5	-5	101	104
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		mobile crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	

Construction Plant Inventory for NSRs NR-D07 (with Use of Movable Barrier)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity (Calc)
Site Formation Works of Portal (West)											
A1160	Erection of working platform for bored pile wall construction	crane	2	50%	BS D7/101	94	0	-5	-5	89	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
A1170	Pre-drilling for bored pile wall	drilling rig	10	50%	BS C2/43	102	0	-10	-10	99	99
A1180	Bored Piling Works for Cantilever Retaining Wall	crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	113
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		oscillator	1	50%	CNP 165	115	0	0	0	112	
		RCD	1	50%	CNP 166	100	0	0	0	97	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		chisel	1	40%	CNP 164	115	0	-10	-10	101	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		water pump	1	50%	CNP 281	88	0	0	0	85	
		bar bender and cutter	1	30%	CNP 021	90	0	-10	-10	75	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
A1190	Testing for bored piles	grout mixer	4	50%	CNP 105	90	0	0	0	93	101
		grout pump	4	50%	CNP 106	105	0	-10	-10	98	
		drilling rig	4	50%	BS C2/43	102	0	-10	-10	95	
A1191	Capping beam construction for Cantilever Retaining Wall	air compressor	2	50%	CNP 003	104	0	-10	-10	94	105
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	4	30%	CNP 021	90	0	-10	-10	81	
		air blower	4	50%	CNP 006	95	0	0	0	98	
		saw	4	40%	CNP 205	101	0	-5	-5	98	
		mobile crane	2	50%	BS D7/101	94	0	-5	-5	89	
A1200	Excavation and slope cutting	excavator	1	50%	BS D3/35	106	0	-5	-5	98	110
		excavator with hydraulic breaker	1	40%	BS C1/9	118	0	-5	-5	109	
		hydraulic rock splitter	3	30%	BS C12/2	101	0	0	0	101	
A1210	Portal Slope Stabilisation works	drilling rig	4	50%	BS C2/43	102	0	-10	-10	95	109
		air compressor	4	50%	CNP 003	104	0	-10	-10	97	
		grouting machine	4	50%	CNP 106	105	0	0	0	108	
		generator	4	100%	CNP 103	95	0	-10	-10	91	
A1201	Piling works	drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	108
		piling rig	1	50%	BS C3/14	111	0	0	0	108	
		water pump	1	50%	CNP 281	88	0	0	0	85	
		crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	104
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
Cavern Construction											
Cavern Excavation (Drill & Blast)											
A1931	Manuvour and handling of C&D materials in Area 73	excavator	25	50%	BS D3/35	106	0	-5	-5	112	112
Vent Shaft at A Kung Kok Shan											
A1360	Site Formation for Works Area	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	100
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
		roller	2	50%	BS C2/38	101	-10	-5	-10	91	
A1370	Construction of Guide wall	concrete mixer	1	50%	CNP 046	96	-10	-5	-10	83	96
		excavator	1	50%	BS D3/35	106	-10	-5	-10	93	
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		poker, vibratory	1	50%	BS D6/40	98	-10	-5	-10	85	
A1380	Setting up for construction of Diaphragm Wall	excavator	1	50%	BS D3/35	106	-10	-5	-10	93	97
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		dump truck	1	50%	BS D9/24	104	-10	-5	-10	91	
		crane	1	50%	BS D7/101	94	-10	-5	-10	81	

Construction Plant Inventory for NSRs NR-D07 (with Use of Movable Barrier)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity (Calc)
A1390	Construction of Diaphragm Wall	pump	2	50%	CNP 281	88	-10	0	-10	78	101
		crane	2	50%	BS D7/101	94	-10	-5	-10	84	
		grab	2	40%	CNP 069	105	-10	-5	-10	94	
		hydrofraise	2	60%	CNP 166	100	-10	0	-10	91	
		concrete mixer	2	50%	CNP 046	96	-10	-5	-10	86	
		generator	3	100%	CNP 103	95	-10	-10	-10	90	
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	
		desander	1	80%	CNP 162	105	-10	-10	-10	94	
A1400	Testing of Diaphragm Wall	grout mixer	4	50%	CNP 105	90	-10	0	-10	83	100
		grout pump	4	50%	CNP 106	105	-10	-10	-10	98	
		drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	
A1590	Excavation in Soft Ground (16m depth)	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	98
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		crane	2	50%	BS D7/101	94	-10	-5	-10	84	
A1591	Setting up for Noise Enclosure	bar bender and cutter	2	30%	CNP 021	90	-10	-10	-10	78	100
		poker, vibratory	3	50%	BS D6/40	98	-10	-5	-10	90	
		air compressor	2	50%	CNP 003	104	-10	-10	-10	94	
		concrete lorry mixer	2	50%	BS D6/33	96	-10	-5	-10	86	
		concrete pump	2	50%	BS C4/21	105	-10	-10	-10	95	
		mobile crane	1	50%	BS D7/101	94	-10	-5	-10	81	
		cherry picker	1	50%	BS C4/54	107	-10	0	-10	94	
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	drilling jumbo	1	50%	BS D10/2	112	-10	-10	-10	99	104
		lorry	1	50%	BS D9/24	104	-10	-5	-10	91	
		dump truck	1	50%	BS D9/24	104	-10	-5	-10	91	
		excavator	1	50%	BS D3/35	106	-10	-5	-10	93	
		air compressor	1	50%	CNP 003	104	-10	-10	-10	91	
		water pump	1	50%	CNP 281	88	-10	0	-10	75	
		generator	1	100%	CNP 103	95	-10	-10	-10	85	
		cherry picker	1	50%	BS C4/54	107	-10	0	-10	94	
		ventilation fan	2	50%	CNP 241	108	-10	0	-10	98	
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	raiseboring rig	1	30%	BS C3/17	104	-10	0	-10	89	95
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
Emergency Access Tunnel Portal											
Preparation Works											
A1240	Mobilisation and general site clearance	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	100
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
Construction Works											
A1260	Erection of working platform for bored pile wall construction	crane	2	50%	BS D7/101	94	-10	-5	-10	84	101
		lorry	2	50%	BS D9/24	104	-10	-5	-10	94	
		excavator	2	50%	BS D3/35	106	-10	-5	-10	96	
		dump truck	2	50%	BS D9/24	104	-10	-5	-10	94	
		air compressor	2	50%	CNP 003	104	-10	-10	-10	94	
		hoist	2	50%	CNP 122	95	-10	0	-10	85	
A1270	Pre-drilling for bored pile wall	drilling rig	10	50%	BS C2/43	102	-10	-10	-10	99	99
A1280	Cantilever Retaining Wall	crawler crane	4	50%	BS D7/112	102	-10	-5	-10	95	111
		concrete pump	3	50%	BS C4/21	105	-10	-10	-10	97	
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	
		oscillator	4	50%	CNP 165	115	-10	0	-10	108	
		RCD	4	50%	CNP 166	100	-10	0	-10	93	
		generator	4	100%	CNP 103	95	-10	-10	-10	91	
		chisel	3	40%	CNP 164	115	-10	-10	-10	106	
		concrete lorry mixer	3	50%	BS D6/33	96	-10	-5	-10	88	
		water pump	3	50%	CNP 281	88	-10	0	-10	80	
		bar bender and cutter	3	30%	CNP 021	90	-10	-10	-10	80	
		dump truck	4	50%	BS D9/24	104	-10	-5	-10	97	
A1290	Testing for bored piles	grout mixer	4	50%	CNP 105	90	-10	0	-10	83	100
		grout pump	4	50%	CNP 106	105	-10	-10	-10	98	
		drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	
A1300	Excavation and slope cutting	excavator	2	50%	BS D3/35	106	-10	-5	-10	96	107
		excavator with hydraulic breaker	2	40%	BS C1/9	118	-10	-5	-10	107	
		hydraulic rock splitter	3	30%	BS C12/2	101	-10	0	-10	91	
A1310	Soil backfilling and compaction	excavator	4	50%	BS D3/35	106	-10	-5	-10	99	100
		roller, vibratory	2	50%	BS C2/39	102	-10	-5	-10	92	
A1320	Portal Slope Stabilisation works	drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	102
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	

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		grouting machine	4	50%	CNP 106	105	-10	0	-10	98	
		generator	4	100%	CNP 103	95	-10	-10	-10	91	
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	drilling rig	4	50%	BS C2/43	102	-10	-10	-10	95	104
		lorry	4	50%	BS D9/24	104	-10	-5	-10	97	
		dump truck	4	50%	BS D9/24	104	-10	-5	-10	97	
		excavator	4	50%	BS D3/35	106	-10	-5	-10	99	
		air compressor	4	50%	CNP 003	104	-10	-10	-10	97	
Construction of effluent pipeline											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1940-	Condition survey	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1940-	Tunnel strengthening works	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1940-	Tunnel strengthening works	excavator	1	50%	BS D3/35	106	0	-5	-5	98	100
		drilling rig	1	50%	BS C2/43	102	0	-10	-10	89	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		grout mixer	1	50%	CNP 105	90	0	0	0	87	
		grout pump	1	50%	CNP 106	105	0	-10	-10	92	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
A1941	Soft ground excavation	drilling jumbo	1	50%	BS D10/2	112	0	-10	-10	99	109
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		cherry picker	1	50%	BS C4/54	107	0	0	0	104	
		ventilation fan	1	50%	CNP 241	108	0	0	0	105	
A1943	Set up of micro TBM	crane	1	50%	BS D7/101	94	0	-5	-5	86	90
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		pump	1	50%	CNP 281	88	0	0	0	85	
A1945	Modification of existing inlet chamber and complete connection*	mobile crane	1	50%	BS D7/101	94	0	-5	-5	86	102
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
		breaker	1	50%	BS D8/12	106	0	-5	-5	98	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		poker, vibratory	1	50%	BS D6/40	98	0	-5	-5	90	
		saw	1	40%	CNP 205	101	0	-5	-5	92	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
Package 2 - Civil and E&M Works and T&C of relocated STSTW											
E&M Installation											
A1690	Construction of civil & builders works of relocated STSTW	excavator	5	50%	BS D3/35	106	-10	-5	-10	100	110
		crawler crane	10	50%	BS D7/112	102	-10	-5	-10	99	
		dump truck	10	50%	BS D9/24	104	-10	-5	-10	101	
		lorry	10	50%	BS D9/24	104	-10	-5	-10	101	
		generator	10	100%	CNP 103	95	-10	-10	-10	95	
		air compressor	10	50%	CNP 003	104	-10	-10	-10	101	
		ventilation fan	6	50%	CNP 241	108	-10	0	-10	103	
		cherry picker	5	50%	BS C4/54	107	-10	0	-10	101	
A1720	Construction of transformer and plant control room at main access tunnel portal area	crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	99
		concrete lorry mixer	1	50%	BS D6/33	96	0	-5	-5	88	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		lorry	1	50%	BS D9/24	104	0	-5	-5	96	
A1730	Construction of ventilation building at main access tunnel portal area	air compressor	2	50%	CNP 003	104	0	-10	-10	94	106

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		generator	1	100%	CNP 103	95	0	-10	-10	85	
		breaker	2	50%	BS D8/12	106	0	-5	-5	101	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	4	30%	CNP 021	90	0	-10	-10	81	
		air blower	4	50%	CNP 006	95	0	0	0	98	
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	crane	2	50%	BS D7/101	94	0	-5	-5	89	101
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
A1760	Proposed roadworks and landscaping	excavator	2	50%	BS D3/35	106	0	-5	-5	101	106
		concrete pump	2	50%	BS C4/21	105	0	-10	-10	95	
		poker, vibratory	2	50%	BS D6/40	98	0	-5	-5	93	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		paver	1	50%	BS C5/33	103	0	-5	-5	95	
		roller	4	50%	BS C2/38	101	0	-5	-5	99	
Emergency Outfall Construction											
A1740	Mobilisation of plant and equipment on Site	excavator	2	50%	BS D3/35	106	0	-5	-5	101	105
		lorry	2	50%	BS D9/24	104	0	-5	-5	99	
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
A1770	Construction of jacking pit at Portal	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1772	Construction of 2nd intermediate pit at Area 73	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1773	Construction of Receiving pit at existing STSTW	lorry	2	50%	BS D9/24	104	0	-5	-5	99	112
		dump truck	2	50%	BS D9/24	104	0	-5	-5	99	
		excavator	2	50%	BS D3/35	106	0	-5	-5	101	
		concrete mixer	2	50%	CNP 046	96	0	-5	-5	91	
		crane	1	50%	BS D7/101	94	0	-5	-5	86	
		generator	2	100%	CNP 103	95	0	-10	-10	88	
		air compressor	2	50%	CNP 003	104	0	-10	-10	94	
		water pump	3	50%	CNP 281	88	0	0	0	90	
		ventilation fan	3	50%	CNP 241	108	0	0	0	110	
		welder/generator portable	3	50%	BS C3/32	101	0	0	0	103	
A1830	Pipe installation of remaining part and connection to existing submarine outfall	lorry	1	50%	BS D9/24	104	0	-5	-5	96	103
		dump truck	1	50%	BS D9/24	104	0	-5	-5	96	
		excavator	1	50%	BS D3/35	106	0	-5	-5	98	
		concrete mixer	1	50%	CNP 046	96	0	-5	-5	88	

Construction Plant Inventory for NSRs NR-D07 (with Use of Movable Barrier)

Activity ID	Activity Name	PME	No. of Plant	30-min Usage	PME ID	SWL / item, dB(A)	Correction for Natural Barrier, dB(A)	Correction for Use of Movable Noise Barrier, dB(A)	Overall Barrier Correction,	SWL, dB(A)	SWL / Activity (Calc)
		crawler crane	1	50%	BS D7/112	102	0	-5	-5	94	
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		air compressor	1	50%	CNP 003	104	0	-10	-10	91	
Package 3 - Construction of Ancillary Facilities											
Administration Buildings and other ancillary facilities construction											
A1430	Construction of Administration Buildings and other ancillary facilities	air compressor	2	50%	CNP 003	104	0	-10	-10	94	107
		generator	1	100%	CNP 103	95	0	-10	-10	85	
		breaker	2	50%	BS D8/12	106	0	-5	-5	101	
		concrete pump	1	50%	BS C4/21	105	0	-10	-10	92	
		tower crane	3	30%	CNP 049	95	0	0	0	95	
		lorry	3	50%	BS D9/24	104	0	-5	-5	101	
		poker, vibratory	3	50%	BS D6/40	98	0	-5	-5	95	
		bar bender and cutter	4	30%	CNP 021	90	0	-10	-10	81	
		air blower	4	50%	CNP 006	95	0	0	0	98	
		saw	4	40%	CNP 205	101	0	-5	-5	98	
		mobile crane	2	50%	BS D7/101	94	0	-5	-5	89	
Package 4 - Decommissioning and Demolition of Existing STSTW											
A1450	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	
A1451	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	
A1452	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	
A1453	Demolition of existing STSTW	excavator	5	50%	BS D3/35	106	-	-5	-5	105	120
		excavator with hydraulic breaker	5	40%	BS C1/9	118	-	-5	-5	116	
		dump truck	10	50%	BS D9/24	104	-	-5	-5	106	
		air compressor	5	50%	CNP 003	104	-	-10	-10	98	
		generator	5	100%	CNP 103	95	-	-10	-10	92	
		lorry	5	50%	BS D9/24	104	-	-5	-5	103	
		mobile crane	2	50%	BS D7/101	94	-	-5	-5	89	
		cutter	5	50%	CNP 056	112	-	0	0	116	
		breaker, hand-held	10	50%	CNP 025	111	-	-5	-5	113	

Predicted Construction Noise Levels at Noise Sensitive Receiver (Use of Quiet PME & Movable Barrier)

NR-D07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																							
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																							
Access Road for Magazine at A Kung Kok Road																																																							
Construction of Temporary Haul Road																																																							
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																							
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																							
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																							
Natural Terrain Hazard Mitigation Works-1																																																							
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																							
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																							
Preparation Works																																																							
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																							
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																							
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																							
Preparation Works																																																							
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																							
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																							
Preparation Works																																																							
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																							
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (Use of Quiet PME & Movable Barrier)

NR-D07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2018 J	F	M	A	M	J	J	A	S	O	N	D	2019 J	F	M	A	M	J	J	A	S	O	N	D	2020 J	F	M	A	M	J	J	A	S	O	N	D	2021 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	345	120	0	-59	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	388	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	754	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (Use of Quiet PME & Movable Barrier)

NR-D07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																																						
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																																						
Access Road for Magazine at A Kung Kok Road																																																						
Construction of Temporary Haul Road																																																						
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																																						
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																																						
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																																						
Natural Terrain Hazard Mitigation Works-1																																																						
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																																						
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																																						
Preparation Works																																																						
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																																						
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																																						
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																																						
Preparation Works																																																						
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																																						
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																																						
Preparation Works																																																						
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																																						
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (Use of Quiet PME & Movable Barrier)

NR-D07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2022 J	F	M	A	M	J	J	A	S	O	N	D	2023 J	F	M	A	M	J	J	A	S	O	N	D	2024 J	F	M	A	M	J	J	A	S	O	N	D	2025 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																																							
Cavern Excavation (Drill & Blast)																																																							
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																																							
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																																							
Preparation Works																																																							
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																																							
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																																							
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																																							
E&M Installation																																																							
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																																							
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																																							
Administration Buildings and other ancillary facilities construction																																																							
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																																							
A1450	Demolition of existing STSTW	345	120	0	-59	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1451	Demolition of existing STSTW	388	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	754	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (Use of Quiet PME & Movable Barrier)

NR-D07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS																																											
Package 1 - Construction of Tunnels and Caverns for relocated STSTW																																											
Access Road for Magazine at A Kung Kok Road																																											
Construction of Temporary Haul Road																																											
M1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1020	Site Formation and Platform Erection for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1030	Formation of Temporary Haul Road (incl temp slope works)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Access Road																																											
M1040	Piling Foundation for Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1050	Permanent Slope Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1060	Retaining Wall & Elevated Section	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1070	Soil Backfilling and Compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1080	Permanent Access Road & Other Road Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1090	Remaining Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of Explosive Compound Structure																																											
M1100	Site Formation & Construction of Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M1110	E&M Installation for Explosive Compound Structure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel																																											
Natural Terrain Hazard Mitigation Works-1																																											
A1549	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1550	NTHS-Construction of Check Dam near East Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1560	NTHS-Construction of Check Dam near West Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1570	NTHS-Construction of Check Dam near Emergency Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1580	Boulder Fall Fence Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary Road Construction																																											
A2100	Site Formation works in Area 73 (site office set-up, levelling, etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2110	Temporary road construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2120	Temporary steel bridge across Ah Kwong Kok Street	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilot Construction Adit																																											
Preparation Works																																											
A1010	Mobilisation and site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal																																											
A1020	Construction of Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1030	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1040	Excavation and Temporary Haul Road Construction to Adit Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1050	Drainage provision and surface protection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavation of Adit Tunnel																																											
A1060	Soft ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1070	Hard ground excavation for Pilot Construction Adit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (East)																																											
Preparation Works																																											
A1080	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1090	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (East)																																											
A1100	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1110	Portal Slope Stabilisation Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1120	Tunnel Portal Formation & Soft ground excavation (East)(60m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Main Access Tunnel Portal (West)																																											
Preparation Works																																											
A1130	Mobilisation, general site clearance and levelling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1140	Diversion of existing utilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1150	Demolition of existing facility (Evangelical Lutheran Church of HK)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Formation Works of Portal (West)																																											
A1160	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1170	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1180	Bored Piling Works for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1190	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1191	Capping beam construction for Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1200	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1210	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1201	Piling Works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1220	Tunnel Portal Formation & Soft ground excavation (West)(25m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Predicted Construction Noise Levels at Noise Sensitive Receiver (Use of Quiet PME & Movable Barrier)

NR-D07 S.K.H. Ma On Shan Holy Spirit Primary School

Activity ID	Activity Name	Dist., m	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, dB(A)	2026 J	F	M	A	M	J	J	A	S	O	N	D	2027 J	F	M	A	M	J	J	A	S	O	N	D	2028 J	F	M	A	M	J	J	A	S	O	N	D
Cavern Construction																																											
Cavern Excavation (Drill & Blast)																																											
A1931	Manuvour and handling of C&D materials in Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vent Shaft at A Kung Kok Shan																																											
A1360	Site Formation for Works Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1370	Construction of Guide wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1380	Setting up for construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1390	Construction of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1400	Testing of Diaphragm Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1590	Excavation in Soft Ground (16m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1591	Setting up for Noise Enclosure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1660	Excavation for Ventilation Adit by drill & blast method (540m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1661	Excavation in Rock Portion by drill & blast method (90m depth)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Access Tunnel Portal																																											
Preparation Works																																											
A1240	Mobilisation and general site clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction Works																																											
A1260	Erection of working platform for bored pile wall construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1270	Pre-drilling for bored pile wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1280	Cantilever Retaining Wall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1290	Testing for bored piles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1300	Excavation and slope cutting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1310	Soil backfilling and compaction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1320	Portal Slope Stabilisation works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1330	Tunnel Portal Formation at Mui Tsz Lam Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of effluent pipeline																																											
A1940	Condition survey and tunnel strengthening works for THEES tunnel*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-1	Condition survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-2	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1940-3	Tunnel strengthening works	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1941	Soft ground excavation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1943	Set up of micro TBM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1945	Modification of existing inlet chamber and complete connection*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 2 - Civil and E&M Works and T&C of relocated STSTW																																											
E&M Installation																																											
A1690	Construction of civil & builders works of relocated STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1720	Construction of transformer and plant control room at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1730	Construction of ventilation building at main access tunnel portal area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1750	Laying of rising mains, effluent pipeline and emergency bypass pipeline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1760	Proposed roadworks and landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Outfall Construction																																											
A1740	Mobilisation of plant and equipment on Site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1770	Construction of jacking pit at Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1771	Construction of 1st intermediate pit at Ma On Shan Road & MOS Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1772	Construction of 2nd intermediate pit at Area 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1773	Construction of Receiving pit at existing STSTW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1830	Pipe installation of remaining part and connection to existing submarine outfall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 3 - Construction of Ancillary Facilities																																											
Administration Buildings and other ancillary facilities construction																																											
A1430	Construction of Administration Buildings and other ancillary facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package 4 - Decommissioning and Demolition of Existing STSTW																																											
A1450	Demolition of existing STSTW	345	120	0	-59	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	64	64	64	64	64	64	64	64
A1451	Demolition of existing STSTW	388	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1452	Demolition of existing STSTW	754	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1453	Demolition of existing STSTW	583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR	Haul Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Predicted Overall Noise Level in Leq (30-min), dB(A)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	64	64	64	64	64	64	64	64

Summary of Predicted Construction Noise Levels at Noise Sensitive Receiver

NSR ID	Description	Criteria	Criteria (exam)	Min SPL	Max SPL	2018												2019												2020											
						J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
NR-C01	Chevalier Garden	75	-	56	**79**	67	67	67	68	68	68	73	73	**76**	74	73	74	**76**	**79**	**79**	**78**	**78**	**78**	**78**	**78**	**78**	**78**	**78**	**78**	**76**	**76**	68	67	67	67	64	65	64	64	70
NR-C02	Wellborn Kindergarten	70	65	53	**80**	65	65	65	*65*	*65*	*65*	67	67	*67*	*67*	*67*	*69*	*68*	**80**	**80**	**80**	**80**	**80**	**74**	**74**	**74**	**73**	**73**	**74**	*66*	*66*	*66*	*69*	67	67	67	53	53	53	53	53
NR-C03	Hay Nien Primary School	70	65	63	**81**	*69*	*69*	*69*	*70*	*70*	*70*	**76**	**76**	**79**	**78**	**77**	**77**	**78**	**78**	**78**	**76**	**74**	**75**	**81**	**81**	**81**	**81**	**81**	**81**	**81**	**80**	**77**	*66*	*66*	*66*	*66*	*66*	**71**	*70*	*70*	**73**
NR-C04	Ma On Shan Tsung Tsin Secondary School	70	65	64	**82**	**72**	**72**	**72**	**73**	**73**	**72**	**77**	**77**	**81**	**79**	**78**	**78**	**80**	**80**	**80**	**77**	**75**	**76**	**82**	**82**	**82**	**82**	**82**	**82**	**82**	**81**	**77**	*67*	*67*	*67*	*67*	*67*	**72**	**72**	**72**	**75**
NR-C05	Low rise residential buildings on Tai Shui Hang South Street	75	-	55	**77**	66	66	66	67	67	67	73	73	75	73	72	73	75	75	75	73	71	71	**77**	**76**	**76**	**76**	**76**	**76**	**76**	**76**	74	63	63	63	63	63	64	64	64	70
NR-C06	Kam Tai Court	75	-	65	**79**	68	68	68	70	70	69	74	74	**77**	74	73	74	**76**	**76**	**76**	75	74	74	**78**	**77**	**77**	**77**	**77**	**77**	**76**	**76**	75	65	65	65	65	65	71	71	71	74
NR-C07	S.K.H. Ma On Shan Holy Spirit Primary School	70	65	65	**79**	*69*	*69*	*69*	*70*	*70*	*70*	**74**	**74**	**76**	**74**	**73**	**73**	**75**	**75**	**75**	**74**	**73**	**73**	**77**	**76**	**76**	**76**	**76**	**76**	**75**	**75**	75	65	65	*65*	*65*	*65*	**75**	**75**	**75**	**76**
NR-C08	Ah Kung Kok Fishermen Village	75	-	67	**82**	71	71	71	72	72	71	74	74	**80**	**80**	**80**	74	**77**	**77**	**77**	**77**	75	75	**77**	**77**	**77**	**77**	**77**	**77**	73	73	75	67	67	67	67	67	75	75	75	**78**
NR-C09	Hong Kong Mountaineering Union	75	-	57	73	65	65	65	66	66	65	66	66	72	71	71	68	73	73	73	73	72	72	72	72	72	72	72	72	66	65	65	57	57	57	57	57	70	69	69	72
NR-C10	The Neighbourhood Advice-Action Council Harmony Manor	75	-	50	**89**	71	71	71	71	71	71	73	73	**76**	**87**	**87**	**89**	**89**	**89**	**89**	**89**	**89**	**89**	**89**	**89**	**89**	**89**	**86**	**86**	**86**	**85**	**77**	50	50	68	68	68	68	68	68	68
NR-C11	Shing Mun Springs Rehabilitation Centre	75	-	50	**81**	64	64	64	64	64	64	65	65	68	**79**	**79**	**81**	**81**	**81**	**81**	**81**	**81**	**81**	**81**	**81**	**81**	**81**	**78**	**78**	**78**	**77**	69	50	50	60	60	60	60	60	60	60
NR-D01	Seaview Villa	75	-	**78**	**78**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-D02	Kam On Garden	75	-	73	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-D03	Sha Tin Lookout	75	-	73	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-D04	Evergreen Villa	75	-	**76**	**76**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-D05	Racecourse Gardens	75	-	71	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-D06	Kam Tai Court	75	-	70	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-D07	S.K.H. Ma On Shan Holy Spirit Primary School	70	65	**71**	**71**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NSR ID	Description	Criteria	Criteria (exam)	Min SPL	Max SPL	2021												2022												2023											
						J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
NR-C01	Chevalier Garden	75	-	56	**79**	70	70	70	61	61	56	56	56	56	56	56	56	56	56	56	60	60	60	60	60	60	60	60	60	61	59	72	72	72	72	72	72	73	73	**76**	**76**
NR-C02	Wellborn Kindergarten	70	65	53	**80**	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	*53*	*53*	**74**	**74**	**74**	**74**	**74**	**74**	**74**	**74**	**74**	**74**
NR-C03	Hay Nien Primary School	70	65	63	**81**	**73**	**73**	**74**	*69*	*69*	*68*	*68*	*68*	*68*	*68*	*68*	*68*	*68*	*68*	*68*	*69*	*69*	*69*	*69*	*69*	*69*	*69*	*69*	*69*	*70*	*63*	**74**	**74**	**74**	**74**	**74**	**74**	**75**	**75**	**77**	**77**
NR-C04	Ma On Shan Tsung Tsin Secondary School	70	65	64	**82**	**75**	**75**	**75**	**71**	**71**	*70*	*70*	*70*	*70*	*70*	*70*	*70*	*70*	*70*	*70*	**71**	**71**	**71**	**71**	**71**	**71**	**71**	**71**	**71**	**71**	*64*	**75**	**75**	**75**	**75**	**75**	**75**	**75**	**75**	**80**	**80**
NR-C05	Low rise residential buildings on Tai Shui Hang South Street	75	-	55	**77**	70	70	70	61	61	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	55	71	71	71	71	71	71	72	72	75	75
NR-C06	Kam Tai Court	75	-	65	**79**	74	74	74	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	72	72	72	67	71	71	71	71	71	71	72	72	75	75
NR-C07	S.K.H. Ma On Shan Holy Spirit Primary School	70	65	65	**79**	**76**	**76**	**76**	**75**	**75**	**75**	**75**	**75**	**75**	**75**	**75**	**75**	**75**	**75**	**75**	**75**	**75**	**75**	**75**	**75**	**75**	**76**	**76**	**76**	**76**	*67*	**71**	**71**	**71**	**71**	**71**	**71**	**72**	**72**	**75**	**75**
NR-C08	Ah Kung Kok Fishermen Village	75	-	67	**82**	**78**	**78**	**78**	75	75	74	74	74	74	74	74	74	74	74	74	75	75	75	75	75	75	75	75	75	75	67	74	74	74	74	74	74	75	75	**82**	**82**
NR-C09	Hong Kong Mountaineering Union	75	-	57	73	69	69	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	59	57	57	57	57	57	57	66	66	72	72
NR-C10	The Neighbourhood Advice-Action Council Harmony Manor	75	-	50	**89**	69	69	72	70	72	71	71	70	70	70	70	72	72	71	68	73	71	71	55	55	50	50	50	50	50	50	**78**	**78**	**78**	**78**	**78**	**78**	**78**	**78**	**79**	**79**
NR-C11	Shing Mun Springs Rehabilitation Centre	75	-	50	**81**	61	61	64	62	64	63	63	62	62	62	62	64	64	63	61	65	63	63	52	52	50	50	50	50	50	50	72	72	72	72	72	72	72	72	73	73
NR-D01	Seaview Villa	75	-	**78**	**78**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-D02	Kam On Garden	75	-	73	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-D03	Sha Tin Lookout	75	-	73	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-D04	Evergreen Villa	75	-	**76**	**76**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-D05	Racecourse Gardens	75	-	71	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-D06	Kam Tai Court	75	-	70	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-D07	S.K.H. Ma On Shan Holy Spirit Primary School	70	65	**71**	**71**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NSR ID	Description	Criteria	Criteria (exam)	Min SPL	Max SPL	2024												2025												2026											
						J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
NR-C01	Chevalier Garden	75	-	56	**79**	**76**	**76**	**76**	**76**	**76**	**76**	**76**	**76**	**77**	**77**	73	73	67	67	67	70	69	69	69	69	69	69	69	69	69	69	69	69	65	65	64	64	64	-	-	-
NR-C02	Wellborn Kindergarten	70	65	53	**80**	**74**	**74**	**74**	**74**	**74**	**74**	**74**	**74**	**74**	**74**	**74**	**74**	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	*53*	*53*	*53*	-	-	-	-	-	-
NR-C03	Hay Nien Primary School	70	65	63	**81**	**77**	**78**	**78**	**78**	**77**	**77**	**77**	**77**	**77**	**77**	**75**	**75**	**72**	**72**	**72**	**73**	**73**	**73**	*69*	*70*	*69*	*69*	*69*	*69*	*69*	*69*	*69*	*69*	*67*	*67*	*66*	*66*	*66*	-	-	-
NR-C04	Ma On Shan Tsung Tsin Secondary School	70	65	64	**82**	**80**	**80**	**80**	**80**	**80**	**80**	**80**	**80**	**80**	**80**	**76**	**76**	**74**	**74**	**74**	**75**	**75**	**75**	**72**	**73**	**72**	**72**	**72**	**72**	**72**	**72**	**72**	*68*	*68*	*67*	*67*	*67*	-	-	-	-
NR-C05	Low rise residential buildings on Tai Shui Hang South Street	75	-	55	**77**	75	75	75	75	75	75	75	75	75	75	72	72	65	65	65	68	67	67	67	68	67	67	67	67	67	67	67	67	64	64	63	63	63	-	-	-
NR-C06	Kam Tai Court	75	-	65	**79**	75	**79**	**79**	**79**	75	75	75	75	75	75	72	72	**78**	**78**	**78**	**78**	**78**	**78**	**78**	69	70	69	69	69	69	69	69	69	67	67	66	66	66	-	-	-
NR-C07	S.K.H. Ma On Shan Holy Spirit Primary School	70	65	65	**79**	**75**	**79**	**78**	**78**	**74**	**74**	**74**	**74**	**74**	**74**	**71**	**71**	**78**	**78**	**78**	**78**	**78**	**78**	**78**	*69*	*69*	*69*	*69*	*69*	*69*	*69*	*69*	*69*	67	67	*65*	*65*	*65*	-	-	-
NR-C08	Ah Kung Kok Fishermen Village	75	-	67	**82**	**82**	**82**	**82**	**82**	**82**	**82**	**82**	**82**	**82**	**76**	**76**	75	75	75	75	**78**	**77**	**77**	**77**	**76**	**76**	**76**	**76**	**76**	**76**	**76**	**76**	**76**	70	70	68	68	68	-	-	-
NR-C09	Hong Kong Mountaineering Union	75	-	57	73	72	72	72	72	72	72	72	72	72	67	67	67	67	67	67	69	68	68	68	68	69	68	68	68	68	68	68	68	66	66	65	65	65	-	-	-
NR-C10	The Neighbourhood Advice-Action Council Harmony Manor	75	-	50	**89**	**79**	**79**	**79**	**79**	**79**	**79**	**79**	**79**	**79**	**78**	**78**	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	-	-	-	-	-	-
NR-C11	Shing Mun Springs Rehabilitation Centre	75	-	50	**81**	73	73	73	73	73	73	73	73	73	72	72	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	-	-	-	-	-	-
NR-D01	Seaview Villa	75	-	**78**	**78**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-D02	Kam On Garden	75	-	73	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-D03	Sha Tin Lookout	75	-	73	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-D04	Evergreen Villa	75	-	**76**	**76**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-D05	Racecourse Gardens	75	-	71	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-D06	Kam Tai Court	75	-	70	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-D07	S.K.H. Ma On Shan Holy Spirit Primary School	70	65	**71**	**71**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NSR ID	Description	Criteria	Criteria (exam)	Min SPL	Max SPL	2027												2028											
						J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
NR-C01	Chevalier Garden	75	-	56	**79**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-C02	Wellborn Kindergarten	70	65	53	**80**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-C03	Hay Nien Primary School	70	65	63	**81**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-C04	Ma On Shan Tsung Tsin Secondary School	70	65	64	**82**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-C05	Low rise residential buildings on Tai Shui Hang South Street	75	-	55	**77**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-C06	Kam Tai Court	75	-	65	**79**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-C07	S.K.H. Ma On Shan Holy Spirit Primary School	70	65	65	**79**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-C08	Ah Kung Kok Fishermen Village	75	-	67	**82**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-C09	Hong Kong Mountaineering Union	75	-	57	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-C10	The Neighbourhood Advice-Action Council Harmony Manor	75	-	50	**89**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-C11	Shing Mun Springs Rehabilitation Centre	75	-	50	**81**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NR-D01	Seaview Villa	75	-	**78**	**78**	-	-	-	-	-	-	-	-	-	-	-	-	**78**	**78**	**78**	**78**	**78**	**78**	**78**	**78**	**78**	**78**	**78**	**78**
NR-D02	Kam On Garden	75	-	73	73	-	-	-	-	-	-	-	-	-	-	-	-	73	73	73	73	73	73	73	73	73	73	73	73
NR-D03	Sha Tin Lookout	75	-	73	73	-	-	-	-	-	-	-	-	-	-	-	-	73	73	73	73	73	73	73	73	73	73	73	73
NR-D04	Evergreen Villa	75	-	**76**	**76**	-	-	-	-	-	-	-	-	-	-	-	-	**76**	**76**	**76**	**76**	**76**	**76**	**76**	**76**	**76**	**76**	**76**	**76**
NR-D05	Racecourse Gardens	75	-	71	71	-	-	-	-	-	-	-	-	-	-	-	-	71	71	71	71	71	71	71	71	71	71	71	71
NR-D06	Kam Tai Court	75	-	70	70	-	-	-	-	-	-	-	-	-	-	-	-	70	70	70	70	70	70	70	70	70	70	70	70
NR-D07	S.K.H. Ma On Shan Holy Spirit Primary School	70	65	**71**	**71**	-	-	-	-	-	-	-	-	-	-	-	-	**71**	**71**	**71**	**71**	**71**	**71**	**71**	**71**	**71**	**71**	**71**	**71**

Remarks:

- Boldfaced values indicate exceedance to noise criterion.
- Italics values indicate exceedance to noise criterion during exam period for schools.