

PME	TM or other reference	No. of PME	SWL, dB(A)/unit	Percentage On Time	Total SWL, dB(A)	
Activity 1 - Excavation						
Group 1						
Breaker, mini-robot mounted	[1]	1	115	100%	115	
					Total	115
Group 2						
Excavator, mini-robot mounted	[1]	1	94	100%	94	
Generator, standard	CNP 101	1	108	100%	108	
Water pump (electric)	CNP 281	1	88	100%	88	
					Total	108
Group 3						
Lorry	CNP 141	1	112	50%	109	
					Total	109
					Max. of Activity 1	115
Activity 2 - Footing Construction						
Group 1						
Lorry	CNP 141	1	112	50%	109	
					Total	109
Group 2						
Generator, standard	CNP 101	1	108	100%	108	
Bar bender and cutter (electric)	CNP 021	1	90	100%	90	
Water pump (electric)	CNP 281	1	88	100%	88	
					Total	108
Group 3						
Compactor, vibratory	CNP 050	1	105	100%	105	
Concrete lorry mixer	CNP 044	1	109	100%	109	
					Total	110
					Max. of Activity 2	110
Activity 3 - Fence Installation						
Group 1						
Lorry	CNP 141	1	112	50%	109	
					Total	109
Group 2						
Generator, standard	CNP 101	1	108	100%	108	
Drill/grinder, hand-held (electric)	CNP 065	1	98	100%	98	
					Total	108
					Max. of Activity 3	109
Activity 4 - Road Construction						
Group 1						
Lorry	CNP 141	1	112	50%	109	
					Total	109
Group 2						
Excavator, mini-robot mounted	[1]	1	94	100%	94	
					Total	94
Group 3						
Road roller	CNP 185	1	108	100%	108	
					Total	108
					Max. of Activity 4	109
Activity 5 - Check Point Superstructure						
Group 1						
Excavator, mini-robot mounted	[1]	1	94	100%	94	
					Total	94
Group 2						
Lorry	CNP 141	1	112	50%	109	
					Total	109
Group 3						
Generator, standard	CNP 101	1	108	100%	108	
Bar bender and cutter (electric)	CNP 021	1	90	100%	90	
					Total	108
Group 4						
Compactor, vibratory	CNP 050	1	105	100%	105	
Concrete lorry mixer	CNP 044	1	109	100%	109	
Concrete pump, stationary/ lorry mounted	CNP 047	1	109	100%	109	
					Total	113
					Max. of Activity 5	113
Activity 6 - Demolition of Existing Boundary Fence and Check Points						
Group 1						
Generator, standard	CNP 101	1	108	100%	108	
Drill/grinder, hand-held (electric)	CNP 065	1	98	100%	98	
					Total	108
Group 2						
Breaker, mini-robot mounted	[1]	1	115	100%	115	
					Total	115
Group 3						
Excavator, mini-robot mounted	[1]	1	94	100%	94	
					Total	94
Group 4						
Lorry	CNP 141	1	112	50%	109	
					Total	109
					Max. of Activity 6	115

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

Construction of a Secondary Boundary Fence and New Sections of Primary Boundary Fence and Boundary Patrol Road

NSRs		Slant Distance to the Nearest Construction Activities, (m)	Distance Correction, dB(A)	Façade Correction, dB(A)	Construction Activities and Maximum SWL (apart from Loading and Unloading Activities), dB(A)																Slant Distance to the Lorry, (m)	Distance Correction, dB(A)	Façade Correction, dB(A)	Section 1 - 4	Maximum SPL, dB(A)
					Section 1			Section 2				Section 3				Section 4				Loading and Unloading Activities with the use of Lorry					
					Excavation (1A)	Footing Construction (1B)	Fence Installation (1C)	Excavation (2A)	Footing Construction (2B)	Road Construction (2C)	Fence Installation (2D)	Excavation (3A)	Footing Construction (3B)	Road Construction (3C)	Fence Installation (3D)	Excavation (4A)	Footing Construction (4B)	Fence Installation (4C)	Check Point Superstructure (4D)						
					115	110	108	115	110	108	108	115	110	108	108	115	110	108	113	109					
Section 1	VH01	44.4	-41	3	77	73	70											64.4	-44	3	68	77			
	VH02	58.9	-43	3	75	70	68											78.9	-46	3	66	75			
	VH03	147.0	-51	3	67	62	60											167.0	-52	3	60	67			
Section 2	HAT01	206.0	-54	3				64	59	57	57							226.0	-55	3	57	64			
	TYL01	204.3	-54	3				64	59	57	57							224.3	-55	3	57	64			
Section 3	LW01	103.2	-48	3								70	65	63	63			123.2	-50	3	62	70			
	LW02	60.9	-44	3								74	70	67	68			80.9	-46	3	66	74			
	MW01	129.8	-50	3								68	63	61	61			149.8	-52	3	60	68			
	MW02	77.9	-46	3								72	68	65	66			97.9	-48	3	64	72			
	TKL01	43.2	-41	3								77	73	70	71			63.2	-44	3	68	77			
	KL01	18.2	-33	3								85	80	78	78			38.2	-40	3	72	85			
	CY01	106.3	-49	3								69	65	62	63			126.3	-50	3	62	69			
	WL01	101.9	-48	3								70	65	63	63			121.9	-50	3	62	70			
	WL02	85.1	-47	3								71	67	64	65			105.1	-48	3	64	71			
	WL03	155.1	-52	3								66	62	59	60			175.1	-53	3	59	66			
Section 4	STK01	41.5	-40	3											78	73	71	61.5	-44	3	68	78			
		131.9	-50	3														65	151.9	-52	3	60			
	STK02	100.4	-48	3												70	65	63	120.4	-50	3	62	70		
		235.0	-55	3															255.0	-56	3	56			
	STK03	16.4	-32	3												86	81	79	36.4	-39	3	73	86		
		72.5	-45	3															71	92.5	-47	3	65		
	STK04	91.3	-47	3																111.3	-49	3	63	71	
169.0		-53	3																189.0	-54	3	58			

Construction of a Secondary Boundary Fence
and New Sections of Primary Boundary Fence and Boundary Patrol Road

NSRs		Slant Distance to the Nearest Demolition Activities, (m)	Distance Correction, dB(A)	Façade Correction, dB(A)	Demolition Activities and Maximum SWL, dB(A)	
					Section 2	Section 3
					Demolition of Existing Boundary Fence	Demolition of Existing Boundary Fence
					115	115
Section 2	HAT01	8.9	-27	3	91	
	LMC01	20.6	-34	3	84	
	LMC02	73.4	-45	3	73	
	LMC03	55.0	-43	3	75	
	V01	11.1	-29	3	89	
	PH01	7.4	-25	3	93	
	MTL01	15.4	-32	3	86	
	LP01	117.8	-49	3	69	
	TYL01	4.2	-20	3	98	
Section 3	WL01	49.1	-42	3		76
	WL02	6.3	-24	3		94

Slant Distance to the Lorry, (m)	Distance Correction, dB(A)	Façade Correction, dB(A)	Section 2 - 3	Maximum SPL, dB(A)
			Loading and Unloading Activities with the use of Lorry	
			109	
28.9	-37	3	75	91
40.6	-40	3	72	84
93.4	-47	3	65	73
75.0	-46	3	66	75
31.1	-38	3	74	89
27.4	-37	3	75	93
35.4	-39	3	73	86
137.8	-51	3	61	69
24.2	-36	3	76	98
69.1	-45	3	67	76
26.3	-36	3	76	94

Construction of a Secondary Boundary Fence
and New Sections of Primary Boundary Fence and Boundary Patrol Road

NSRs		Slant Distance to the Nearest Demolition Activities, (m)	Distance Correction, dB(A)	Façade Correction, dB(A)	Demolition Activities and Maximum SWL, dB(A)			
					Section 1	Section 2	Section 3	Section 4
					Demolition of Check Point	Demolition of Check Point	Demolition of Check Point	Demolition of Check Point
					115	115	115	115
Section 1	VH01	75.0	-46	3	72			
Section 2	LMC03	53.0	-42	3		76		
Section 3	SL01	149.0	-51	3			67	
Section 3	PC01	59.0	-43	3			75	
Section 4	STK05	110.5	-49	3				69

Slant Distance to the Nearest Demolition Activities, (m)	Distance Correction, dB(A)	Façade Correction, dB(A)	Section 1 - 4	Maximum SPL, dB(A)
			Loading and Uploading Activities with the use of Lorry	
			109	
95.0	-48	3	64	72
73.0	-45	3	67	76
169.0	-53	3	59	67
79.0	-46	3	66	75
130.5	-50	3	62	69