



Project: 25278 Agreement No. CE61/2007 (CE) North East New Territories New Development Areas Planning and Engineering Study
Tilte: Maximum Allowable Sound Power Level for the District Cooling System (KTN B1-7)

Maximum Sound Power Level for the District Cooling System (KTN B1-7)

NSR	AP	Noise Criteria, dB(A) [1]	Distance to NSR, m	Correction, dB(A)					Maximum Allowable SWL, dB(A)
				Distance	Facade	Tonality	Screening	Cumulative Impacts	
KTN B1-3	R3017	55	8	26	3	3	0	-	75
KTN A1-2	R2504	50	140	51	3	3	0	-	95

Note:

[1] Only night time criteria is assessed as worst case scenario.

Cumulative impacts from Lok Ma Chau Tunnel Ventilation Shaft (KTN B1-5)

Noise Source	NSR	AP	SWL, dB(A)	Distance to NSR, m	Correction, dB(A)				Predicted SPL, dB(A)	Noise Criertia, dB(A)	Compliance [Y/N]
					Distance	Facade	Tonality	Screening			
KTN B1-7	KTN B1-3	R3017	75	8	-26	3	3	0	55		
KTN B1-5 [1]			81	125	-50	3	3	0	37		
Cumulative Impacts									55	55	Y
KTN B1-7	KTN A1-2	R2504	75	140	-51	3	3	0	30		
KTN B1-5 [1]			81	265	-56	3	3	0	30		
Cumulative Impacts									33	50	Y

Note:

[1] SWL refers to Lok Ma Chau Ventilation Shaft calculation.