

Appendix 5.6

Calculation of Cumulative Construction Noise Levels at Representative Noise Sensitive Receivers Landslide Preventive Works at Po Shan, Mid-levels

NSR : N1 (1/F to 9/F)

Concurrent Construction Activity		This Project	Cumulative Noise Level
*Task	¹ Noise Level, dB(A)	² Maximum Noise Level, dB(A)	dB(A)
5a	70	74	75
5b	61	74	74
6a, 6b	70	74	75

NSR : N1 (10/F or above)

Concurrent Construction Activity		This Project	Cumulative Noise Level
*Task	¹ Noise Level, dB(A)	³ Maximum Noise Level, dB(A)	dB(A)
5a	68	72	73
5b	60	72	72
6a, 6b	67	72	73

NSR : N2

Concurrent Construction Activity		This Project	Cumulative Noise Level
*Task	² Noise Level, dB(A)	³ Maximum Noise Level, dB(A)	dB(A)
5a	62	72	72
5b	51	72	72
6a, 6b	58	72	72

NSR : N3

Concurrent Construction Activity		This Project	Cumulative Noise Level
*Task	² Noise Level, dB(A)	³ Maximum Noise Level, dB(A)	dB(A)
5a	60	64	66
5b	53	64	65
6a, 6b	57	64	65

NSR : N4

Concurrent Construction Activity		This Project	Cumulative Noise Level
*Task	² Noise Level, dB(A)	³ Maximum Noise Level, dB(A)	dB(A)
5a	58	64	65
5b	52	64	64
6a, 6b	55	64	64

NSR : N5

Concurrent Construction Activity		This Project	Cumulative Noise Level
*Task	² Noise Level, dB(A)	³ Maximum Noise Level, dB(A)	dB(A)
5a	65	67	69
5b	64	67	69
6a, 6b	66	67	70

NSR : N6

Concurrent Construction Activity		This Project	Cumulative Noise Level
*Task	² Noise Level, dB(A)	³ Maximum Noise Level, dB(A)	dB(A)
5a	67	66	70
5b	61	66	67
6a, 6b	64	66	68

(*) 5a, 5b, 6a, 6b are tasks proposed in the Project Profile of "Agreement No. CE28/2004 (GE) Landslide Preventive Works at Po Shan,

Mid-levels - Design and Construction" (PP), where Task 5a is Tunnel No.2 excavation and Tasks 5b, 6a, 6b are installation of vertical drains

(1) Construction noise level of the concurrent tasks from Appendix 5.2B of the PP

(2) Construction noise level of the concurrent tasks from Appendix 5.2A of the PP

(3) Maximum mitigated construction noise level