APPENDIX 4.6

Calculations of Construction Noise Levels during Normal Daytime Working Hours (Without Mitigation Measures)

Appendix 4.6 Calculations of Construction Noise Levels During Normal Daytime Working Hours (Without Mitigation Measures)

N1 NSR

Description Scattered Village Houses

Item	Main Construction Elements	Vain Construction Elements SWL Distance, SPL 2018							2019												
item	Main Construction Elements	SVVL	m	3PL	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	Slope Modification / Erection of Retaining Walls	114	216	62	62	62	62	62	62												
2	Excavation Works	118	216	66				66	66												
3	Sub-structure Works	119	216	68						68	68	68									
4	Superstructure Works	117	216	65									65	65	65	65	65				
5	Building Services Works / Fitting Out Works	115	216	63												63	63	63	63		
6	Landscaping Works / Compensatory Tree Planting	112	216	60																60	60
			Total SPL	., dB(A)	62	62	62	67	67	68	68	68	65	65	65	67	67	63	63	60	60
			Exce	edance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Range 60 - 68

NSR N2

Description Lai Chi Yuen Tsuen

Item	Main Construction Elements	SWL	VL Distance, SPL 2018									2019									
item	Main Construction Elements	SWL	m	3FL	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	Slope Modification / Erection of Retaining Walls	114	281	60	60	60	60	60	60												
2	Excavation Works	118	281	64				64	64												
3	Sub-structure Works	119	281	65						65	65	65									
4	Superstructure Works	117	281	63									63	63	63	63	63				
5	Building Services Works / Fitting Out Works	115	281	61												61	61	61	61		
6	Landscaping Works / Compensatory Tree Planting	112	281	58																58	58
			Total SPL	., dB(A)	60	60	60	65	65	65	65	65	63	63	63	65	65	61	61	58	58
			Exceedance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Range 58 - 65

NSR N3 Description Scattered Village Houses

Item	Main Construction Elements	SWL	WL Distance, SPL 2018									2019									
item	Main Construction Elements	SWL	m	3PL	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	Slope Modification / Erection of Retaining Walls	114	87	70	70	70	70	70	70												
2	Excavation Works	118	87	74				74	74												
3	Sub-structure Works	119	87	75						75	75	75									
4	Superstructure Works	117	87	73									73	73	73	73	73				
5	Building Services Works / Fitting Out Works	115	87	71												71	71	71	71		
6	Landscaping Works / Compensatory Tree Planting	112	87	68																68	68
			Total SPL	dB(A)	70	70	70	75	75	75	75	75	73	73	73	75	75	71	71	68	68

Total SPL, dB(A) 70 70 70 75 75 75 75 75 73 73 73 75 75 71 71 68 68 --

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Exceedance - - - - - -

Range 68 - 75