

Project: 25278 Agreement No. CE61/2007 (CE) North East New Territories New Development Areas Planning and Engineering Study
 Title: Predicted Sound Pressure Level from from Lo Wu Classification (G1-1, G1-2)

Predicted SPL at NSRs at Various Floor Levels - A3-3

NSR	AP	Floor	Floor Level, mnd	G1-1, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	G1-2, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	Impulsiveness, dB(A)	Facade, dB(A)	Predicted SPL, dB(A)
A3-3	R2721	1	25	118	730	-65	0	53	105	445	-61	0	44	3	3	59
		2	28	118	730	-65	0	53	105	445	-61	0	44	3	3	59
		3	31	118	730	-65	0	53	105	445	-61	0	44	3	3	59
		4	33	118	730	-65	0	53	105	445	-61	0	44	3	3	59
		5	36	118	730	-65	0	53	105	445	-61	0	44	3	3	59
		6	39	118	730	-65	0	53	105	445	-61	0	44	3	3	59
		7	41	118	730	-65	0	53	105	445	-61	0	44	3	3	59
		8	44	118	730	-65	0	53	105	445	-61	0	44	3	3	59
		9	47	118	730	-65	0	53	105	446	-61	0	44	3	3	59
		10	50	118	730	-65	0	53	105	446	-61	0	44	3	3	59
		11	52	118	730	-65	0	53	105	446	-61	0	44	3	3	59
		12	55	118	731	-65	0	53	105	446	-61	0	44	3	3	59
		13	58	118	731	-65	0	53	105	446	-61	0	44	3	3	59
		14	60	118	731	-65	0	53	105	446	-61	0	44	3	3	59
		15	63	118	731	-65	0	53	105	447	-61	0	44	3	3	59
		16	66	118	731	-65	0	53	105	447	-61	0	44	3	3	59
		17	68	118	731	-65	0	53	105	447	-61	0	44	3	3	59
		18	71	118	731	-65	0	53	105	447	-61	0	44	3	3	59
		19	74	118	732	-65	0	53	105	448	-61	0	44	3	3	59
		20	77	118	732	-65	0	53	105	448	-61	0	44	3	3	59
		21	79	118	732	-65	0	53	105	448	-61	0	44	3	3	59
		22	82	118	732	-65	0	53	105	449	-61	0	44	3	3	59
		23	85	118	732	-65	0	53	105	449	-61	0	44	3	3	59
		24	87	118	733	-65	0	53	105	449	-61	0	44	3	3	59
		25	90	118	733	-65	0	53	105	450	-61	0	44	3	3	59
		26	93	118	733	-65	0	53	105	450	-61	0	44	3	3	59
		27	95	118	733	-65	0	53	105	451	-61	0	44	3	3	59
		28	98	118	734	-65	0	53	105	451	-61	0	44	3	3	59
		29	101	118	734	-65	0	53	105	451	-61	0	44	3	3	59
		30	104	118	734	-65	0	53	105	452	-61	0	44	3	3	59
		31	106	118	734	-65	0	53	105	452	-61	0	44	3	3	59
		32	109	118	735	-65	0	53	105	453	-61	0	44	3	3	59
		33	112	118	735	-65	0	53	105	453	-61	0	44	3	3	59
		34	114	118	735	-65	0	53	105	454	-61	0	44	3	3	59
		35	117	118	736	-65	0	53	105	454	-61	0	44	3	3	59

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Predicted SPL at NSRs at Various Floor Levels - A3-4

NSR	AP	Floor	Floor Level, m	G1-1, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	G1-2, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	Impulsiveness, dB(A)	Facade, dB(A)	Predicted SPL, dB(A)
A3-4	R9003	1	19	118	690	-65	-10	43	105	440	-61	-10	35	3	3	50
		2	23	118	690	-65	-10	43	105	440	-61	-10	35	3	3	50
		3	27	118	690	-65	-10	43	105	440	-61	-10	35	3	3	50
		4	31	118	690	-65	-10	43	105	440	-61	-10	35	3	3	50
		5	35	118	690	-65	-10	43	105	440	-61	-10	35	3	3	50
		6	39	118	690	-65	-10	43	105	440	-61	-10	35	3	3	50
		7	43	118	690	-65	-10	43	105	441	-61	-10	35	3	3	50
		8	47	118	691	-65	-10	43	105	441	-61	-10	35	3	3	50

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Predicted SPL at NSRs at Various Floor Levels - D1-11

NSR	AP	Floor	Floor Level, mnd	Vertical Separation Distance, m	G1-1, dB(A)	Horizontal Separation Distance, m	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	G1-2, dB(A)	Horizontal Separation Distance, m	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	Impulsiveness, dB(A)	Facade, dB(A)	Predicted SPL, dB(A)
D1-11	R2830	1	25	0	118	540	540	-63	-10	45	105	540	540	-63	-10	33	3	3	52
		2	28	3	118	540	540	-63	-10	45	105	540	540	-63	-10	33	3	3	52
		3	31	6	118	540	540	-63	-10	45	105	540	540	-63	-10	33	3	3	52
		4	33	9	118	540	540	-63	-10	45	105	540	540	-63	-10	33	3	3	52
		5	36	12	118	540	540	-63	-10	45	105	540	540	-63	-10	33	3	3	52
		6	39	15	118	540	540	-63	-10	45	105	540	540	-63	-10	33	3	3	52
		7	41	18	118	540	540	-63	-10	45	105	540	540	-63	-10	33	3	3	52
		8	44	21	118	540	540	-63	-10	45	105	540	540	-63	-10	33	3	3	52
		9	47	24	118	540	541	-63	-10	45	105	540	541	-63	-10	33	3	3	52
		10	50	27	118	540	541	-63	-10	45	105	540	541	-63	-10	33	3	3	52
		11	52	30	118	540	541	-63	-10	45	105	540	541	-63	-10	33	3	3	52
		12	55	33	118	540	541	-63	-10	45	105	540	541	-63	-10	33	3	3	52

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Predicted SPL at NSRs at Various Floor Levels - D1-12

NSR	AP	Floor	Floor Level, m	Vertical Separation Distance, m	G1-1, dB(A)	Horizontal Separation Distance, m	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	G1-2, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	Impulsiveness, dB(A)	Facade, dB(A)	Predicted SPL, dB(A)
D1-12	R9004	1	30	0	118	295	295	-57	-10	51	105	460	-61	0	44	3	3	58

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Predicted SPL at NSRs at Various Floor Levels - D1-13

NSR	AP	Floor	Floor Level, mpd	G1-1, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	G1-2, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	Impulsiveness, dB(A)	Facade, dB(A)	Predicted SPL, dB(A)
D1-13	R9005	1	19	118	225	-55	-10	53	105	275	-57	0	49	3	3	60

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Predicted SPL at NSRs at Various Floor Levels - E1-3

NSR	AP	Floor	Floor Level, m	G1-1, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	G1-2, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	Impulsiveness, dB(A)	Facade, dB(A)	Predicted SPL, dB(A)
E1-3	R9002	1	29	118	960	-68	0	50	105	625	-64	0	42	3	3	57
		2	32	118	960	-68	0	50	105	625	-64	0	42	3	3	57
		3	35	118	960	-68	0	50	105	625	-64	0	42	3	3	57
		4	38	118	960	-68	0	50	105	625	-64	0	42	3	3	57
		5	41	118	960	-68	0	50	105	625	-64	0	42	3	3	57
		6	44	118	960	-68	0	50	105	625	-64	0	42	3	3	57
		7	47	118	960	-68	0	50	105	625	-64	0	42	3	3	57
		8	50	118	960	-68	0	50	105	625	-64	0	42	3	3	57
		9	53	118	960	-68	0	50	105	625	-64	0	42	3	3	57
		10	56	118	960	-68	0	50	105	626	-64	0	42	3	3	57
		11	59	118	960	-68	0	50	105	626	-64	0	42	3	3	57
		12	62	118	961	-68	0	50	105	626	-64	0	42	3	3	57
		13	65	118	961	-68	0	50	105	626	-64	0	42	3	3	57
		14	68	118	961	-68	0	50	105	626	-64	0	42	3	3	57
		15	71	118	961	-68	0	50	105	626	-64	0	42	3	3	57
		16	74	118	961	-68	0	50	105	627	-64	0	42	3	3	57
		17	77	118	961	-68	0	50	105	627	-64	0	42	3	3	57
		18	80	118	961	-68	0	50	105	627	-64	0	42	3	3	57
		19	83	118	962	-68	0	50	105	627	-64	0	42	3	3	57
		20	86	118	962	-68	0	50	105	628	-64	0	42	3	3	57

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Predicted SPL at NSRs at Various Floor Levels - E1-4

NSR	AP	Floor	Floor Level, m	Vertical Separation Distance, m	G1-1, dB(A)	Horizontal Separation Distance, m	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	G1-2, dB(A)	Horizontal Separation Distance, m	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	Impulsiveness, dB(A)	Facade, dB(A)	Predicted SPL, dB(A)
E1-4	R3721	1	29	0	118	890	890	-67	0	51	105	555	555	-63	0	43	3	3	58
		2	33	4	118	890	890	-67	0	51	105	555	555	-63	0	43	3	3	58
		3	36	7	118	890	890	-67	0	51	105	555	555	-63	0	43	3	3	58
		4	39	10	118	890	890	-67	0	51	105	555	555	-63	0	43	3	3	58
		5	42	13	118	890	890	-67	0	51	105	555	555	-63	0	43	3	3	58
		6	45	16	118	890	890	-67	0	51	105	555	555	-63	0	43	3	3	58
		7	48	19	118	890	890	-67	0	51	105	555	555	-63	0	43	3	3	58
		8	51	22	118	890	890	-67	0	51	105	555	555	-63	0	43	3	3	58

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Predicted SPL at NSRs at Various Floor Levels - F1-3

NSR	AP	Floor	Floor Level, mpd	G1-1, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	G1-2, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	Impulsiveness, dB(A)	Facade, dB(A)	Predicted SPL, dB(A)
F1-3	R9001	1	19	118	300	-58	0	61	105	105	-48	0	57	3	3	68
		2	22	118	300	-58	0	61	105	105	-48	0	57	3	3	68
		3	25	118	300	-58	0	61	105	105	-48	0	57	3	3	68
		4	28	118	300	-58	0	61	105	106	-48	0	57	3	3	68
		5	31	118	300	-58	0	61	105	106	-49	0	57	3	3	68
		6	34	118	301	-58	0	61	105	107	-49	0	57	3	3	68
		7	37	118	301	-58	0	61	105	108	-49	0	57	3	3	68
		8	40	118	301	-58	0	60	105	109	-49	0	57	3	3	68
		9	43	118	302	-58	0	60	105	110	-49	0	57	3	3	68
		10	46	118	302	-58	0	60	105	111	-49	0	57	3	3	68

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Predicted SPL at NSRs at Various Floor Levels - F1-3

NSR	AP	Floor	Floor Level, mpd	G1-1, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	G1-2, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	Impulsiveness, dB(A)	Facade, dB(A)	Predicted SPL, dB(A)
F1-3	R2841	1	18	118	280	-57	0	61	105	195	-54	0	52	3	3	68
		2	21	118	280	-57	0	61	105	195	-54	0	52	3	3	68
		3	24	118	280	-57	0	61	105	195	-54	0	52	3	3	68
		4	27	118	280	-57	0	61	105	195	-54	0	52	3	3	68
		5	30	118	280	-57	0	61	105	196	-54	0	52	3	3	68
		6	33	118	281	-57	0	61	105	196	-54	0	52	3	3	68
		7	36	118	281	-57	0	61	105	196	-54	0	52	3	3	68
		8	39	118	281	-57	0	61	105	197	-54	0	52	3	3	68
		9	42	118	282	-57	0	61	105	198	-54	0	52	3	3	68
		10	45	118	282	-57	0	61	105	198	-54	0	52	3	3	68

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Predicted SPL at NSRs at Various Floor Levels - F1-3

NSR	AP	Floor	Floor Level, m	G1-1, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	G1-2, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	Impulsiveness, dB(A)	Facade, dB(A)	Predicted SPL, dB(A)
F1-3	R2843	1	18	118	170	-53	0	65	105	225	-55	0	50	3	3	72
		2	21	118	170	-53	0	65	105	225	-55	0	50	3	3	72
		3	24	118	170	-53	0	65	105	225	-55	0	50	3	3	72
		4	27	118	170	-53	0	65	105	225	-55	0	50	3	3	72
		5	30	118	171	-53	0	65	105	226	-55	0	50	3	3	72
		6	33	118	171	-53	0	65	105	226	-55	0	50	3	3	72
		7	36	118	172	-53	0	65	105	226	-55	0	50	3	3	72
		8	39	118	172	-53	0	65	105	227	-55	0	50	3	3	71
		9	42	118	173	-53	0	65	105	227	-55	0	50	3	3	71
		10	45	118	174	-53	0	65	105	228	-55	0	50	3	3	71

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Predicted SPL at NSRs at Various Floor Levels - F1-4

NSR	AP	Floor	Floor Level, mpd	G1-1, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	G1-2, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Barrier, dB(A)	Noise Level, dB(A)	Impulsiveness, dB(A)	Facade, dB(A)	Predicted SPL, dB(A)
F1-4	R9000	1	17	118	275	-57	0	61	105	270	-57	0	49	3	3	68

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