

## Detailed Results of Fixed Plant Noise Impact Assessment for Daytime Scenario

NAP-ID	Description	FIXED NOISE SOURCE	Max Allowable SWL, dB(A)	Distance, m	Distance Attenuation, dB(A)	Façade Correction, dB(A)	SPL, Leq(30min) dB(A)	Resultant SPL, Leq(30min) dB(A)	Noise Criteria, dB(A)	Comply with Criteria? (Y/N)
P-RSc21-R1	Proposed Residential Development at RSc.2.1	G.5.1	88	42	40	3	50	51	55	Y
		OU.5.3	95	197	54	3	44			
P-RSc22-R1	Proposed Residential Development at RSc.2.2	G.5.1	88	39	40	3	51	53	55	Y
		OU.5.3	95	112	49	3	49			
P-RSc22-R10	Proposed Public Housing Development at RSc.2.2	OU.5.3	95	104	48	3	49	53	55	Y
		G.5.1	88	107	49	3	42			
		OU(GFS).5.1	100	200	54	3	49			
P-RSc23-R126	Proposed Residential Development at RSc.2.3	OU(MU)1.2.1_1	[1]	-	-	-	52	52	55	Y
P-RSc25-R16	Proposed Residential Development at RSc.2.5	G.5.11	80	90	47	3	36	36	55	Y
		OU.5.10	73	181	53	3	23			
		G.5.10	76	196	54	3	25			
P-RSc25-R49	Proposed Public Housing Development at RSc.2.5	OU(MU)1.TIH	89	60	44	3	48	48	55	Y
P-RSc27-R1	Proposed Residential Development at RSc.2.7	G(RAF).5.15	[1]	-	-	-	55	55	55	Y
		G.5.7	76	80	46	3	33			
P-RSc27-R28	Proposed Residential Development at RSc.2.7	G.5.10	76	56	43	3	36	42	55	Y
		G.5.11	80	59	43	3	39			
		G.5.8	81	190	54	3	30			
		OU.5.9	72	193	54	3	21			
		OU.5.10	73	225	55	3	21			
		OU.5.8	80	278	57	3	26			
		OU.5.10	73	225	55	3	21			
P-RSc32-R19	Proposed Residential Development at RSc.3.2	OU(I&T)4.4.1	83	67	44	3	42	46	55	Y
		OU(I&T)4.4.5	74	192	54	3	23			
		OU(I&T)4.4.2	83	193	54	3	32			
		OU.4.3	90	405	60	3	33			
		OU(LSW).4.1	103	574	63	3	43			
		OU(I&T)4.4.1	83	44	41	3	45			
P-RSc32-R40	Proposed Public Housing Development at RSc.3.2	OU(I&T)4.4.5	74	278	57	3	20	48	55	Y
		OU(I&T)4.4.3	101	340	59	3	45			
		OU.5.4	81	78	46	3	39			
P-RSc121-R1	Proposed Residential Development at R1.2.1	OU.5.5	83	154	52	3	35	41	55	Y
		OU.5.2	86	237	56	3	33			
		OU(MU)1.TIH	89	174	53	3	39			
P-RSc121-R15	Proposed Residential Development at R1.2.1	OU(MU)1.2.1_2	[1]	-	-	-	47	48	55	Y
		OU(MU)1.2.1_2	[1]	-	-	-	47			
P-RSc122-R10	Proposed Residential Development at R1.2.2	OU(MU)1.2.1_2	[1]	-	-	-	54	55	55	Y
		OU(MU)1.TIH	89	63	44	3	48			
P-RSc1231-R1	Proposed Residential Development at R1.2.3	OU.5.2	86	126	50	3	39	43	55	Y
		OU.5.3	95	269	57	3	41			
P-RSc1231-R8	Proposed Residential Development at R1.2.3	OU.5.4	81	84	46	3	38	45	55	Y
		OU.5.5	83	103	48	3	38			
		OU.5.2	86	146	51	3	38			
		OU.5.3	95	291	57	3	40			
		G.3.1	79	52	42	3	39			
P-RSc132-R1	Proposed Public Housing Development at RSc.1.3.2	OU.3.2	72	129	50	3	24	40	45	Y
		OU.3.1	81	153	52	3	32			
		OU.3.1	81	153	52	3	32			
P-G31-R4	Proposed Divisional Fire Station-cum-Ambulance Depot, FSD staff married quarters, Operational Base for Tactical Support Unit and General Store, Community Emergency Preparedness Experiential Learning Centre	OU(LSW).1.1	94	246	56	3	41	49	53	Y
		G(RAF).1.7	[1]	-	-	-	49			
P-G31-R7	Proposed Divisional Fire Station-cum-Ambulance Depot, FSD staff married quarters, Operational Base for Tactical Support Unit and General Store, Community Emergency Preparedness Experiential Learning Centre	OU.3.2	72	13	30	3	44	47	53	Y
		OU.3.1	81	48	42	3	42			
		G.5.14	90	194	54	3	39			
P-OU(MU)211-R1	Proposed Residential Development at Chau Tau	OU(I&T)1.1.2	84	136	51	3	36	46	50	Y
		OU(I&T)1.1.1	93	190	54	3	42			
		OU(I&T)3.1.5	90	201	54	3	39			
		OU(I&T)3.1.4	86	204	54	3	35			
		OU.1.4	91	221	55	3	39			
		OU(GFS).1.1	91	128	50	3	44			
P-OU(MU)211-R14	Proposed Residential Development at Chau Tau	OU.1.4	91	135	51	3	43	48	50	Y
		OU(I&T)3.1.5	90	175	53	3	40			
		OU(I&T)2.1.1	89	210	54	3	38			
		OU(I&T)3.1.4	86	247	56	3	33			
		OU(I&T)1.1.2	84	83	46	3	40			
		OU(I&T)1.1.1	93	268	57	3	39			
P-VR-R15	Proposed Village Development	G.5.7	76	71	45	3	34	56	56	Y
		G(RAF).3.4	[1]	-	-	-	56			
P-SHT-R1	Potential Village Development in existing "V" Zone in OZP No. S/YL-ST/8	G.5.7	76	151	52	3	27	27	56	Y
P-SHT-R5	Potential Village Development in existing "V" Zone in OZP No. S/YL-ST/8	G.5.14	90	277	57	3	36	36	56	Y
		G.5.7	76	298	57	3	21			
P-SHT-R8	Potential Village Development in existing "V" Zone in OZP No. S/YL-ST/8	G.5.14	90	91	47	3	46	47	56	Y
		G.1.4	82	143	51	3	34			
		OU(MU)2.TIH	90	230	55	3	38			
P-SWW-R2	Potential Village Development in existing "V" zone in Shek Wu Wai	OU.5.7	86	51	42	3	47	53	56	Y
		G.5.7	76	161	52	3	27			
		OU.1.10	90	178	53	3	40			
		OU.5.6	101	272	57	3	47			
		OU.1.11	109	497	62	3	50			
P-SWW-R10	Potential Village Development in existing "V" zone in Shek Wu Wai	OU.5.4	81	221	55	3	30	44	45	Y
		OU(MU)1.2.1_2	[1]	-	-	-	43			
		OU.5.5	83	233	55	3	31			
		OU.5.2	86	282	57	3	32			
P-CT-R1	Potential Village Development in existing "V" Zone in Chau Tau Tsuen	OU(I&T)3.1.7	80	37	39	3	43	44	48	Y
		OU(I&T)3.1.8	83	181	53	3	33			
		OU(I&T)7.1.2	59	248	56	3	6			
P-CT-R3	Potential Village Development in existing "V" Zone in Chau Tau Tsuen	OU(I&T)3.1.7	80	48	42	3	41	43	48	Y
		OU(VB)	87 [2]	140	51	3	39			
		OU(I&T)7.1.2	59	142	51	3	11			
		OU(I&T)3.1.6	68	188	53	3	17			
P-CT-R5	Potential Village Development in existing "V" Zone in Chau Tau Tsuen	OU(I&T)3.1.8	83	292	57	3	29	41	48	Y
		OU(I&T)7.1.2	59	65	44	3	18			
		OU(I&T)3.1.7	80	69	45	3	38			
		OU(I&T)3.1.6	68	120	50	3	21			
		OU(I&T)3.1.5	90	232	55	3	38			
P-CT-R9	Potential Village Development in existing "V" Zone in Chau Tau Tsuen	OU(I&T)3.1.4	86	259	56	3	32	45	48	Y
		OU(I&T)7.1.2	59	4	19	3	43			
		OU(I&T)3.1.6	68	16	32	3	38			
		OU(I&T)3.1.7	80	100	48	3	35			
P-CT-R10	Potential Village Development in existing "V" Zone in Chau Tau Tsuen	OU(I&T)2.1.1	89	253	56	3	36	45	48	Y
		OU(I&T)3.1.6	68	12	30	3	41			
		OU(I&T)3.1.4	86	86	47	3	42			
		OU(I&T)7.1.2	59	99	48	3	14			
		OU(I&T)3.1.3	79	208	54	3	28			
P-S_YL-ST_8-R4	Potential Village Development in existing "V" Zone in OZP No. S/YL-ST/8	OU(I&T)1.1.2	84	108	49	3	38	40	50	Y
		OU(MU)2.TIH	90	261	56	3	37			
P-S_YL-ST_8-R8	Potential Village Development in existing "V" Zone in OZP No. S/YL-ST/8	OU(I&T)1.1.2	84	69	45	3	42	42	50	Y
		OU(I&T)7.1.3	82	287	57	3	28			

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P-S_YL-ST_8-R11	Potential Village Development in existing "V" Zone in OZP No. S/YL-ST/8	OU(&T)7.1.3	82	57	43	3	42	44	50	Y
		OU(&T)1.1.2	84	79	46	3	41			
P-S_YL-ST_8-R13	Potential Village Development in existing "V" Zone in OZP No. S/YL-ST/8	OU(&T)7.1.3	82	101	48	3	37	44	50	Y
		OU(&T)1.1.3	87	150	52	3	38			
		G.1.5	88	172	53	3	38			
		OU(&T)1.1.2	84	206	54	3	33			
		OU.1.10	90	294	57	3	36			
P-S_YL-ST_8-R15	Potential Village Development in existing "V" Zone in OZP No. S/YL-ST/8	OU.1.10	90	128	50	3	43	46	56	Y
		G.1.5	88	134	51	3	40			
		OU(&T)1.1.3	87	233	55	3	34			
		OU(LSW).1.2	93	256	56	3	40			
		OU.5.7	86	292	57	3	31			
E-MP-R1	69 Mai Po San Tsuen	OU.5.3	95	127	50	3	48	48	57	Y
		G.5.1	88	244	56	3	35	45	48	Y
		G.1.3	85	83	46	3	41			
E-MP-R4	1C Mai Po San Tsuen	OU(&T)1.1.3	87	150	52	3	38	45	48	Y
		OU(&T)3.1.9	91	167	52	3	41			
E-SH-R1	Scenic Heights Block B2	G.5.1	88	74	45	3	45	46	55	Y
		OU.2.1	82	86	47	3	38	50	55	Y
E-RH-R2	6 Rolling Hills Phase I	OU.2.1	82	22	35	3	50			
E-SWW-R2	8A Shek Wu Wai	OU.5.7	86	178	53	3	36	41	45	Y
		G.5.7	76	217	55	3	24			
		OU(LSW).1.2	93	282	57	3	39			
E-TLT-R2	18 Tsing Lung Tsuen	OU.1.10	90	96	48	3	45	48	56	Y
		G.1.5	88	146	51	3	39			
		OU.5.7	86	181	53	3	36			
		OU(LSW).1.2	93	216	55	3	42			
		OU(&T)1.1.3	82	278	57	3	28			
E-SLT-R1	2J San Lung Tsuen	OU(&T)1.1.3	82	278	57	3	28	28	55	Y
E-WPT-R4	310 Castle Peak Road, San Tin	G.1.4	82	63	44	3	41	49	50	Y
		OU(MU)2.TIH	90	75	45	3	48			
		G.5.14	90	211	54	3	39			
		OU(&T)2.1.1	89	282	57	3	35			
		OU(&T)2.1.2	94	329	58	3	39			
		OU(&T)3.1.7	80	56	43	3	40			
E-CT-R1	291 Chau Tau Tsuen	OU(&T)3.1.8	83	75	45	3	41	47	48	Y
		OU.1.6	90	165	52	3	41			
		OU.1.7	91	182	53	3	41			
		OU.1.8	86	281	57	3	33			
		OU(&T)7.1.2	59	80	46	3	16			
E-CT-R5	74 Pun Uk Tsuen	OU(&T)3.1.6	68	85	47	3	24	40	48	Y
		OU(&T)3.1.4	86	165	52	3	36			
		OU(&T)3.1.7	80	191	54	3	29			
		OU(&T)3.1.3	79	239	56	3	26			
		OU(&T)3.1.5	90	241	56	3	37			
		OU.1.9	86	183	53	3	36			
E-TS-R1	Village house to the south of lamp post EA2021	OU.1.9	86	183	53	3	36	36	53	Y
E-STB-B1	San Tin Barracks Block 69	OU.5.9	72	47	41	3	33	39	40	Y
		G.5.10	76	99	48	3	31			
		OU.5.10	73	117	49	3	27			
		OU.5.8	80	120	50	3	33			
		G.5.11	80	159	52	3	31			
		G.5.8	81	168	52	3	31			
		OU.5.10	73	48	42	3	34			
E-STB-B2	San Tin Barracks	G.5.10	76	100	48	3	31	39	40	Y
		G.5.11	80	119	50	3	33			
		OU.5.9	72	120	50	3	25			
		OU.5.8	80	202	54	3	29			
		G.5.8	81	237	56	3	28			
		OU.5.10	73	48	42	3	34			
E-STB-B5	San Tin Barracks Blocks 6	OU(&T)4.4.5	74	71	45	3	32	38	40	Y
		OU(&T)4.4.4	76	91	47	3	32			
		OU.4.1	71	91	47	3	27			
		OU(&T)4.4.2	83	195	54	3	32			
		OU.4.2	86	288	57	3	32			
E-STB-B6	San Tin Barracks Blocks 68	OU.4.1	71	22	35	3	39	39	40	Y
		OU(&T)4.4.5	74	281	57	3	20			
E-PSA-E2	Village House near Pak Shek Au	G(RAF).PSA	[1]	-	-	-	53	53	53	Y
		OU.1.8	86	264	56	3	33			
		OU.1.9	86	271	57	3	33			
E-SAT-E4	89 Shek Wu Wai	G.5.7	76	63	44	3	35	45	45	Y
		G(RAF).5.15	[1]	-	-	-	45			
		OU.5.7	86	213	55	3	34			
E-HWFST-R2	Temporary Structure near Lok Ma Chau	OU(&T)3.1.3	79	85	47	3	35	36	50	Y
		OU(&T)3.1.2	82	270	57	3	28			
E-LMC-R1	Temporary Structure near Lok Ma Chau	OU(&T)3.1.3	79	70	45	3	37	42	50	Y
		OU(&T)3.1.2	82	102	48	3	37			
		OU(&T)3.1.1	80	103	48	3	35			
		OU(&T)7.1.4	98	683	65	3	36			
E-LMC-R2	206 Lok Ma Chau	OU(&T)7.1.1	79	85	47	3	35	44	50	Y
		OU(&T)3.1.1	80	116	49	3	33			
		OU(&T)3.1.2	82	271	57	3	28			
		OU(&T)6.1.1	90	314	58	3	35			
		OU(&T)5.1.2	95	549	63	3	35			
		G.1.1	96	575	63	3	35			
		OU.1.1	96	601	64	3	35			
		G.1.2	97	663	64	3	35			
		OU.1.2	97	694	65	3	35			

[1] Sound pressure level refer to the detail calculation for NOL ventilation shaft.

[2] Overall Design Noise Limits at Chau Tau ventilation building is refer to the EIA report of Sheung Shui to Lok Ma Chau Spur Line (Register No.: AEIAR-052/2002)

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P-RSc21-R1	Proposed Residential Development at RSc.2.1	G.5.1	88	42	40	3	50	51	54	Y
		OU.5.3	95	197	54	3	44			
P-RSc22-R1	Proposed Residential Development at RSc.2.2	G.5.1	88	39	40	3	51	53	54	Y
		OU.5.3	95	112	49	3	49			
P-RSc22-R10	Proposed Public Housing Development at RSc.2.2	OU.5.3	95	104	48	3	49	53	54	Y
		G.5.1	88	107	49	3	42			
		OU(GFS).5.1	100	200	54	3	49			
P-RSc23-R126	Proposed Residential Development at RSc.2.3	OU(MU)1.2.1_1	[1]	-	-	-	44	44	50	Y
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		OU.5.10	73	181	53	3	23			
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		OU.5.9	72	193	54	3	21			
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		OU(I&T)4.4.5	74	192	54	3	23			
		OU(I&T)4.4.2	83	193	54	3	32			
		OU.4.3	90	405	-	-	-			
		OU(LSW).4.1	103	574	63	3	43			
P-RSc32-R40	Proposed Public Housing Development at RSc.3.2	OU(I&T)4.4.1	83	44	41	3	45	48	50	Y
		OU(I&T)4.4.5	74	278	57	3	20			
		OU(I&T)4.4.3	101	340	59	3	45			
		OU.5.4	81	78	46	3	39			
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		OU(MU)1.2.1_2	[1]	-	-	-	39			
P-RSc122-R10	Proposed Residential Development at R1.2.2	OU(MU)1.TIH	89	63	44	3	48	50	50	Y
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		OU.5.4	81	84	46	3	38			
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		OU.3.2	72	129	50	3	24			
P-G31-R4	Proposed Divisional Fire Station-cum-Ambulance Depot, FSD staff married quarters, Operational Base for Tactical Support Unit and General Store, Community Emergency Preparedness Experiential Learning Centre	OU(LSW).1.1	94	246	56	3	41	44	47	Y
		G(RAF).1.7	[1]	-	-	-	41			
P-G31-R7	Proposed Divisional Fire Station-cum-Ambulance Depot, FSD staff married quarters, Operational Base for Tactical Support Unit and General Store, Community Emergency Preparedness Experiential Learning Centre	OU.3.2	72	13	30	3	44	47	47	Y
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		OU(I&T)3.1.4	86	247	56	3	33			
		OU(I&T)1.1.2	84	83	46	3	40			
P-OU(MU)211-R24	Proposed Residential Development at Chau Tau	OU(I&T)1.1.1	93	268	57	3	39	43	49	Y
		OU(I&T)1.1.1	93	268	57	3	39			
P-VR-R15	Proposed Village Development	G.5.7	76	71	45	3	34	48	54	Y
		G(RAF).3.4	[1]	-	-	-	47			
P-SHT-R1	Potential Village Development in existing "V" Zone in OZP No. S/YL-ST/8	G.5.7	76	151	52	3	27	27	54	Y
P-SHT-R5	Potential Village Development in existing "V" Zone in OZP No. S/YL-ST/8	G.5.14	90	277	57	3	36	36	54	Y
		G.5.7	76	298	57	3	21			
P-SHT-R8	Potential Village Development in existing "V" Zone in OZP No. S/YL-ST/8	G.5.14	90	91	47	3	46	47	54	Y
		G.1.4	82	143	51	3	34			
		OU(MU)2.TIH	90	230	55	3	38			
P-SWW-R2	Potential Village Development in existing "V" zone in Shek Wu Wai	OU.5.7	86	51	42	3	47	53	54	Y
		G.5.7	76	161	52	3	27			
		OU.1.10	90	178	53	3	40			
		OU.5.6	101	272	57	3	47			
		OU.1.11	109	497	62	3	50			
P-SWW-R10	Potential Village Development in existing "V" zone in Shek Wu Wai	OU.5.4	81	221	55	3	30	38	44	Y
		OU(MU)1.2.1_2	[1]	-	-	-	34			
		OU.5.5	83	233	55	3	31			
		OU.5.2	86	282	57	3	32			
P-CT-R1	Potential Village Development in existing "V" Zone in Chau Tau Tsuen	OU(I&T)3.1.7	80	37	39	3	43	44	48	Y
		OU(I&T)3.1.8	83	181	53	3	33			
		OU(I&T)7.1.2	59	248	56	3	6			
P-CT-R3	Potential Village Development in existing "V" Zone in Chau Tau Tsuen	OU(I&T)3.1.7	80	48	42	3	41	43	48	Y
		OU(VB)	87 [2]	140	51	3	39			
		OU(I&T)7.1.2	59	142	51	3	11			
		OU(I&T)3.1.6	68	188	53	3	17			
P-CT-R5	Potential Village Development in existing "V" Zone in Chau Tau Tsuen	OU(I&T)3.1.8	83	292	57	3	29	41	48	Y
		OU(I&T)7.1.2	59	65	44	3	18			
		OU(I&T)3.1.7	80	69	45	3	38			
		OU(I&T)3.1.6	68	120	50	3	21			
		OU(I&T)3.1.5	90	232	55	3	38			
P-CT-R9	Potential Village Development in existing "V" Zone in Chau Tau Tsuen	OU(I&T)3.1.4	86	259	56	3	32	45	45	Y
		OU(I&T)7.1.2	59	4	19	3	43			
		OU(I&T)3.1.6	68	16	32	3	38			
		OU(I&T)3.1.7	80	100	48	3	35			
P-CT-R10	Potential Village Development in existing "V" Zone in Chau Tau Tsuen	OU(I&T)2.1.1	89	253	56	3	36	45	45	Y
		OU(I&T)3.1.6	68	12	30	3	41			
		OU(I&T)3.1.4	86	86	47	3	42			
P-S_YL-ST_8-R4	Potential Village Development in existing "V" Zone in OZP No. S/YL-ST/8	OU(I&T)7.1.2	59	99	48	3	14	40	45	Y
		OU(I&T)3.1.3	79	208	54	3	28			
		OU(MU)2.TIH	90	261	56	3	37			
P-S_YL-ST_8-R8	Potential Village Development in existing "V" Zone in OZP No. S/YL-ST/8	OU(I&T)1.1.2	84	69	45	3	42	42	45	Y
		OU(I&T)7.1.3	82	287	57	3	28			

## Detailed Results of Fixed Plant Noise Impact Assessment for Night-time Scenario

NAP-ID	Description	FIXED NOISE SOURCE	Max Allowable SWL, dB(A)	Distance, m	Distance Attenuation, dB(A)	Façade Correction, dB(A)	SPL, Leq(30min) dB(A)	Resultant SPL, Leq(30min) dB(A)	Noise Criteria, dB(A)	Comply with Criteria? (Y/N)
P-S_YL-ST_8-R11	Potential Village Development in existing "V" Zone in OZP No. S/YL-ST/8	OU(I&T)7.1.3	82	57	43	3	42	44	45	Y
		OU(I&T)1.1.2	84	79	46	3	41			
P-S_YL-ST_8-R13	Potential Village Development in existing "V" Zone in OZP No. S/YL-ST/8	OU(I&T)7.1.3	82	101	48	3	37	44	45	Y
		OU(I&T)1.1.3	87	150	52	3	38			
		G.1.5	88	172	53	3	38			
		OU(I&T)1.1.2	84	206	54	3	33			
		OU.1.10	90	294	57	3	36			
P-S_YL-ST_8-R15	Potential Village Development in existing "V" Zone in OZP No. S/YL-ST/8	OU.1.10	90	128	50	3	43	46	50	Y
		G.1.5	88	134	51	3	40			
		OU(I&T)1.1.3	87	233	55	3	34			
		OU(LSW).1.2	93	256	56	3	40			
		OU.5.7	86	292	57	3	31			
		OU.1.10	90	294	57	3	36			
E-MP-R1	69 Mai Po San Tsuen	OU.5.3	95	127	50	3	48	48	55	Y
		G.5.1	88	244	56	3	35			
E-MP-R4	1C Mai Po San Tsuen	G.1.3	85	83	46	3	41	45	46	Y
		OU(I&T)1.1.3	87	150	52	3	38			
		OU(I&T)3.1.9	91	167	52	3	41			
E-SH-R1	Scenic Heights Block B2	G.5.1	88	74	45	3	45	46	54	Y
		OU.2.1	82	86	47	3	38			
E-RH-R2	6 Rolling Hills Phase I	OU.2.1	82	22	35	3	50	50	50	Y
E-SWW-R2	8A Shek Wu Wai	OU.5.7	86	178	53	3	36	41	44	Y
		G.5.7	76	217	55	3	24			
		OU(LSW).1.2	93	282	57	3	39			
E-TLT-R2	18 Tsing Lung Tsuen	OU.1.10	90	96	48	3	45	48	54	Y
		G.1.5	88	146	51	3	39			
		OU.5.7	86	181	53	3	36			
		OU(LSW).1.2	93	216	55	3	42			
		OU(I&T)1.1.3	82	278	57	3	28			
E-SLT-R1	2I San Lung Tsuen	OU(I&T)1.1.3	82	278	57	3	28	28	45	Y
		G.1.4	82	63	44	3	41			
		OU(MU)2.TIH	90	75	45	3	48			
		G.5.14	90	211	54	3	39			
		OU(I&T)2.1.1	89	282	57	3	35			
		OU(I&T)2.1.2	94	329	58	3	39			
E-CT-R1	291 Chau Tau Tsuen	OU(I&T)3.1.7	80	56	43	3	40	47	48	Y
		OU(I&T)3.1.8	83	75	45	3	41			
		OU.1.6	90	165	52	3	41			
		OU.1.7	91	182	53	3	41			
		OU.1.8	86	281	57	3	33			
		OU(I&T)1.2	59	80	46	3	16			
E-CT-R5	74 Pun Uk Tsuen	OU(I&T)3.1.6	68	85	47	3	24	40	45	Y
		OU(I&T)3.1.4	86	165	52	3	36			
		OU(I&T)3.1.7	80	191	54	3	29			
		OU(I&T)3.1.3	79	239	56	3	26			
		OU(I&T)3.1.5	90	241	56	3	37			
		OU.1.9	86	183	53	3	36			
E-TS-R1	Village house to the south of lamp post EA2021	OU.1.9	86	183	53	3	36	36	47	Y
		OU.5.9	72	47	41	3	33			
		G.5.10	76	99	48	3	31			
		OU.5.10	73	117	49	3	27			
		OU.5.8	80	120	50	3	33			
		G.5.11	80	159	52	3	31			
E-STB-B1	San Tin Barracks Block 69	G.5.8	81	168	52	3	31	39	39	Y
		OU.5.10	73	48	42	3	34			
		G.5.10	76	100	48	3	31			
		G.5.11	80	119	50	3	33			
		OU.5.9	72	120	50	3	25			
		OU.5.8	80	202	54	3	29			
E-STB-B2	San Tin Barracks	G.5.8	81	168	52	3	31	39	39	Y
		OU.5.10	73	48	42	3	34			
		G.5.10	76	100	48	3	31			
		G.5.11	80	119	50	3	33			
		OU.5.9	72	120	50	3	25			
		OU.5.8	80	202	54	3	29			
E-STB-B5	San Tin Barracks Blocks 6	G.5.8	81	168	52	3	31	38	39	Y
		OU(I&T)4.4.5	74	71	45	3	32			
		OU(I&T)4.4.4	76	91	47	3	32			
		OU.4.1	71	91	47	3	27			
		OU(I&T)4.4.2	83	195	54	3	32			
		OU.4.2	86	288	57	3	32			
E-STB-B6	San Tin Barracks Blocks 68	OU.4.1	71	22	35	3	39	39	39	Y
		OU(I&T)4.4.5	74	281	57	3	20			
E-PSA-E2	Village House near Pak Shek Au	G(RAF).PSA	[1]	-	-	-	47	47	47	Y
		OU.1.8	86	264	56	3	33			
		OU.1.9	86	271	57	3	33			
		OU.5.7	86	213	55	3	34			
E-SAT-E4	89 Shek Wu Wai	G.5.7	76	63	44	3	35	40	44	Y
		G(RAF).5.15	[1]	-	-	-	37			
		OU.5.7	86	213	55	3	34			
E-HWFST-R2	Temporary Structure near Lok Ma Chau	OU(I&T)3.1.3	79	85	47	3	35	36	45	Y
		OU(I&T)3.1.2	82	270	57	3	28			
E-LMC-R1	Temporary Structure near Lok Ma Chau	OU(I&T)3.1.3	79	70	45	3	37	42	45	Y
		OU(I&T)3.1.2	82	102	48	3	37			
		OU(I&T)3.1.1	80	103	48	3	35			
		OU(I&T)7.1.4	98	683	65	3	36			
E-LMC-R2	206 Lok Ma Chau	OU(I&T)7.1.1	79	85	47	3	35	44	45	Y
		OU(I&T)3.1.1	80	116	49	3	33			
		OU(I&T)3.1.2	82	271	57	3	28			
		OU(I&T)6.1.1	90	314	58	3	35			
		OU(I&T)5.1.2	95	549	63	3	35			
		G.1.1	96	575	63	3	35			
		OU.1.1	96	601	64	3	35			
		G.1.2	97	663	64	3	35			
		OU.1.2	97	694	65	3	35			

[1] Sound pressure level refer to the detail calculation for NOL ventilation shaft.

[2] Overall Design Noise Limits at Chau Tau ventilation building is refer to the EIA report of Sheung Shui to Lok Ma Chau Spur Line (Register No.: AEIAR-052/2002)

## Calculation of Noise Impact from Firing Ranges

Tam Mei Firing Range	Noise Assessment Point	
	P-RSc23-R202	P-RSc23-R119
Reference SWL for 1 Shot	119.5	119.5
Number of Shots in 30 minutes	144	144
Horizontal Distance from NSR	182	310
Vertical Distance from NSR [1]	54	89
Slant Distance from NSR	189	323
Distance Correction	54	58
Impulsiveness Correction	3	3
Barrier Correction	0	0
Façade Correction	3	3
Leq in 30 minutes at NSR	61	56
Day & Evening time Noise Criteria	65	65
Compliance with Criteria? (Y/N)	Y	Y
Exceedance, dB(A)	-	-

San Tin Firing Range	Noise Assessment Point
	P-RSc25-R16
Reference SWL for 1 Shot	119.5
Number of Shots in 30 minutes	19
Horizontal Distance from NSR	610
Vertical Distance from NSR [1]	0
Slant Distance from NSR	610
Distance Correction	64
Impulsiveness Correction	3
Barrier Correction	0
Façade Correction	3
Leq in 30 minutes at NSR	42
Day & Evening time Noise Criteria	65
Compliance with Criteria? (Y/N)	Y
Exceedance	-

Remark:

[1] Consider height difference from firing range to the lowest floor that having direct line of sight due to topography screening

Detailed Fixed Plant Noise Calculation for NOL Fixed Noise Source  
 NAP: P-RSc23-R126  
 Description: Proposed Residential Development at RSc.2.3  
 Noise Source: OU(MU)1.2.1\_1, OU(MU)1.2.1\_2

Daytime/ Evening

NAP	NOL NS ID	Plant Item	Direction Facing	Horizontal Distance , m <sup>[1]</sup>	SWL, dB(A)	Correction for line of sight <sup>[2]</sup> , dB(A)	Distance Correction of Point Source, dB(A)	Façade Correction, dB(A)	Predicted SPL, dB(A)	Total SPL, dB(A)
P-RSc23-R126	OU(MU)1.2.1_1	S01	Southwest	161	88	0	-52	3	39	52
		S02	Southwest	161	88	0	-52	3	39	
		S03	Southwest	161	88	0	-52	3	39	
		S04	Southwest	161	88	0	-52	3	39	
		S05	Southwest	161	88	0	-52	3	39	
		S06	Southwest	161	88	0	-52	3	39	
		S07	Southwest	161	88	0	-52	3	39	
		S08	Southwest	161	88	0	-52	3	39	
		S09	Southwest	161	88	0	-52	3	39	
		S09a	Southwest	162	88	0	-52	3	39	
		S09b	Southwest	162	93	0	-52	3	44	
		S10	Southwest	164	89	0	-52	3	40	
		S10a	Southwest	165	88	0	-52	3	39	
		S11	Southwest	168	96	0	-52	3	47	
	S12	South	190	86	0	-54	3	35		
	S13	South	186	85	0	-53	3	35		
	S14	South	175	85	0	-53	3	35		
	S14a	South	165	83	0	-52	3	34		
	OU(MU)1.2.1_2	S14b	Northwest	407	81	-10	-60	3	>300m	
		S14c	Northwest	408	81	-10	-60	3	>300m	
		S15	Northwest	411	87	-10	-60	3	>300m	
		S15a	Northwest	414	80	-10	-60	3	>300m	
		S15b	Northwest	424	80	-10	-61	3	>300m	
		S16	Northwest	426	88	-10	-61	3	>300m	
		S16a	Northwest	432	78	-10	-61	3	>300m	
		S17	Northwest	446	85	-10	-61	3	>300m	
		S18	Northwest	455	85	-10	-61	3	>300m	
		S19	Northwest	475	84	-10	-62	3	>300m	
		S20	Northwest	477	86	-10	-62	3	>300m	
		S20a	Top	472	88	0	-61	3	>300m	

Night-time

NAP	NOL NS ID	Plant Item	Direction Facing	Horizontal Distance , m <sup>[1]</sup>	SWL, dB(A)	Correction for line of sight <sup>[2]</sup> , dB(A)	Distance Correction of Point Source, dB(A)	Façade Correction, dB(A)	Predicted SPL, dB(A)	Total SPL, dB(A)
P-RSc23-R126	OU(MU)1.2.1_1	S01	Southwest	161	80	0	-52	3	31	44
		S02	Southwest	161	80	0	-52	3	31	
		S03	Southwest	161	80	0	-52	3	31	
		S04	Southwest	161	80	0	-52	3	31	
		S05	Southwest	161	80	0	-52	3	31	
		S06	Southwest	161	80	0	-52	3	31	
		S07	Southwest	161	80	0	-52	3	31	
		S08	Southwest	161	80	0	-52	3	31	
		S09	Southwest	161	80	0	-52	3	31	
		S09a	Southwest	162	80	0	-52	3	31	
		S09b	Southwest	162	85	0	-52	3	36	
		S10	Southwest	164	81	0	-52	3	32	
		S10a	Southwest	165	80	0	-52	3	31	
		S11	Southwest	168	88	0	-52	3	39	
	S12	South	190	78	0	-54	3	27		
	S13	South	186	77	0	-53	3	27		
	S14	South	175	77	0	-53	3	27		
	S14a	South	165	75	0	-52	3	26		
	OU(MU)1.2.1_2	S14b	Northwest	407	73	-10	-60	3	>300m	
		S14c	Northwest	408	73	-10	-60	3	>300m	
		S15	Northwest	411	79	-10	-60	3	>300m	
		S15a	Northwest	414	72	-10	-60	3	>300m	
		S15b	Northwest	424	72	-10	-61	3	>300m	
		S16	Northwest	426	80	-10	-61	3	>300m	
		S16a	Northwest	432	70	-10	-61	3	>300m	
		S17	Northwest	446	77	-10	-61	3	>300m	
		S18	Northwest	455	77	-10	-61	3	>300m	
		S19	Northwest	475	76	-10	-62	3	>300m	
		S20	Northwest	477	78	-10	-62	3	>300m	
		S20a	Top	472	77	0	-61	3	>300m	

Remarks:

[1] As a conservative approach, only horizontal distance has been considered in the calculation of distance correction.

[2] -10 dB(A) correction has been adopted for NSRs screened by buildings from ventilation shaft and -5 dB(A) correction for NSRs which do not have direct line of sight to ventilation shaft.

Detailed Fixed Plant Noise Calculation for NOL Fixed Noise Source

NAP: P-RSc121-R15  
 Description: Proposed Residential Development at R1.2.1  
 Noise Source: OU(MU)1.2.1\_1, OU(MU)1.2.1\_2

Daytime/ Evening

NAP	NOL NS ID	Plant Item	Direction Facing	Horizontal Distance , m <sup>[1]</sup>	SWL, dB(A)	Correction for line of sight <sup>[2]</sup> , dB(A)	Distance Correction of Point Source, dB(A)	Façade Correction, dB(A)	Predicted SPL, dB(A)	Total SPL, dB(A)
P-RSc121-R15	OU(MU)1.2.1_1	S01	Southwest	152	88	-10	-52	3	29	47
		S02	Southwest	148	88	-10	-51	3	30	
		S03	Southwest	146	88	-10	-51	3	30	
		S04	Southwest	143	88	-10	-51	3	30	
		S05	Southwest	141	88	-10	-51	3	30	
		S06	Southwest	135	88	-10	-51	3	30	
		S07	Southwest	133	88	-10	-50	3	31	
		S08	Southwest	131	88	-10	-50	3	31	
		S09	Southwest	126	88	-10	-50	3	31	
		S09a	Southwest	120	88	-10	-50	3	31	
		S09b	Southwest	115	93	-10	-49	3	37	
		S10	Southwest	103	89	-10	-48	3	34	
		S10a	Southwest	101	88	-10	-48	3	33	
		S11	Southwest	90	96	-10	-47	3	42	
	S12	South	169	86	-10	-53	3	26		
	S13	South	167	85	-10	-52	3	26		
	S14	South	161	85	-10	-52	3	26		
	S14a	South	156	83	-10	-52	3	24		
	S14b	Northwest	219	81	0	-55	3	29		
	S14c	Northwest	219	81	0	-55	3	29		
	S15	Northwest	222	87	0	-55	3	35		
	S15a	Northwest	226	80	0	-55	3	28		
	S15b	Northwest	235	80	0	-55	3	28		
	S16	Northwest	237	88	0	-55	3	36		
	S16a	Northwest	242	78	0	-56	3	25		
	S17	Northwest	255	85	0	-56	3	32		
	S18	Northwest	264	85	0	-56	3	32		
	S19	Northwest	283	84	0	-57	3	30		
S20	Northwest	285	86	0	-57	3	32			
S20a	Top	281	88	0	-57	3	34			

Night-time

NAP	Plant Item	Direction Facing	Horizontal Distance , m <sup>[1]</sup>	SWL, dB(A)	Correction for line of sight <sup>[2]</sup> , dB(A)	Distance Correction of Point Source, dB(A)	Façade Correction, dB(A)	Predicted SPL, dB(A)	Total SPL, dB(A)	
P-RSc121-R15	OU(MU)1.2.1_1	S01	Southwest	152	80	-10	-52	3	21	39
		S02	Southwest	148	80	-10	-51	3	22	
		S03	Southwest	146	80	-10	-51	3	22	
		S04	Southwest	143	80	-10	-51	3	22	
		S05	Southwest	141	80	-10	-51	3	22	
		S06	Southwest	135	80	-10	-51	3	22	
		S07	Southwest	133	80	-10	-50	3	23	
		S08	Southwest	131	80	-10	-50	3	23	
		S09	Southwest	126	80	-10	-50	3	23	
		S09a	Southwest	120	80	-10	-50	3	23	
		S09b	Southwest	115	85	-10	-49	3	29	
		S10	Southwest	103	81	-10	-48	3	26	
		S10a	Southwest	101	80	-10	-48	3	25	
		S11	Southwest	90	88	-10	-47	3	34	
	S12	South	169	78	-10	-53	3	18		
	S13	South	167	77	-10	-52	3	18		
	S14	South	161	77	-10	-52	3	18		
	S14a	South	156	75	-10	-52	3	16		
	S14b	Northwest	219	73	0	-55	3	21		
	S14c	Northwest	219	73	0	-55	3	21		
	S15	Northwest	222	79	0	-55	3	27		
	S15a	Northwest	226	72	0	-55	3	20		
	S15b	Northwest	235	72	0	-55	3	20		
	S16	Northwest	237	80	0	-55	3	28		
	S16a	Northwest	242	70	0	-56	3	17		
	S17	Northwest	255	77	0	-56	3	24		
	S18	Northwest	264	77	0	-56	3	24		
	S19	Northwest	283	76	0	-57	3	22		
S20	Northwest	285	78	0	-57	3	24			
S20a	Top	281	77	0	-57	3	23			

Remarks:

[1] As a conservative approach, only horizontal distance has been considered in the calculation of distance correction.

[2] -10 dB(A) correction has been adopted for NSRs screened by buildings from ventilation shaft and -5 dB(A) correction for NSRs which do not have direct line of sight to ventilation shaft.

Detailed Fixed Plant Noise Calculation for NOL Fixed Noise Source  
 NAP: P-RSc122-R10  
 Description: Proposed Residential Development at R1.2.2  
 Noise Source: OU(MU)1.2.1\_1, OU(MU)1.2.1\_2

Daytime/ Evening

NAP	NOL NS ID	Plant Item	Direction Facing	Horizontal Distance , m <sup>[1]</sup>	SWL, dB(A)	Correction for line of sight <sup>[2]</sup> , dB(A)	Distance Correction of Point Source, dB(A)	Façade Correction, dB(A)	Predicted SPL, dB(A)	Total SPL, dB(A)
P-RSc122-R10	OU(MU)1.2.1_1	S01	Southwest	328	88	-10	-58	3	>300m	54
		S02	Southwest	325	88	-10	-58	3	>300m	
		S03	Southwest	324	88	-10	-58	3	>300m	
		S04	Southwest	322	88	-10	-58	3	>300m	
		S05	Southwest	321	88	-10	-58	3	>300m	
		S06	Southwest	317	88	-10	-58	3	>300m	
		S07	Southwest	316	88	-10	-58	3	>300m	
		S08	Southwest	315	88	-10	-58	3	>300m	
		S09	Southwest	312	88	-10	-58	3	>300m	
		S09a	Southwest	309	88	-10	-58	3	>300m	
		S09b	Southwest	307	93	-10	-58	3	>300m	
		S10	Southwest	300	89	-10	-58	3	>300m	
		S10a	Southwest	299	88	-10	-58	3	23	
		S11	Southwest	294	96	-10	-57	3	32	
	S12	South	318	86	-10	-58	3	>300m		
	S13	South	320	85	-10	-58	3	>300m		
	S14	South	324	85	-10	-58	3	>300m		
	S14a	South	328	83	-10	-58	3	>300m		
	S14b	Northwest	76	81	0	-46	3	38		
	S14c	Northwest	76	81	0	-46	3	38		
	S15	Northwest	74	87	0	-45	3	45		
	S15a	Northwest	72	80	0	-45	3	38		
	S15b	Northwest	66	80	0	-44	3	39		
	S16	Northwest	66	88	0	-44	3	47		
	S16a	Northwest	63	78	0	-44	3	37		
	S17	Northwest	59	85	0	-43	3	45		
	S18	Northwest	58	85	0	-43	3	45		
	S19	Northwest	61	84	0	-44	3	43		
	S20	Northwest	62	86	0	-44	3	45		
	S20a	Top	63	88	0	-44	3	47		

Night-time

NAP	NOL NS ID	Plant Item	Direction Facing	Horizontal Distance , m <sup>[1]</sup>	SWL, dB(A)	Correction for line of sight <sup>[2]</sup> , dB(A)	Distance Correction of Point Source, dB(A)	Façade Correction, dB(A)	Predicted SPL, dB(A)	Total SPL, dB(A)
P-RSc122-R10	OU(MU)1.2.1_1	S01	Southwest	328	80	-10	-58	3	>300m	46
		S02	Southwest	325	80	-10	-58	3	>300m	
		S03	Southwest	324	80	-10	-58	3	>300m	
		S04	Southwest	322	80	-10	-58	3	>300m	
		S05	Southwest	321	80	-10	-58	3	>300m	
		S06	Southwest	317	80	-10	-58	3	>300m	
		S07	Southwest	316	80	-10	-58	3	>300m	
		S08	Southwest	315	80	-10	-58	3	>300m	
		S09	Southwest	312	80	-10	-58	3	>300m	
		S09a	Southwest	309	80	-10	-58	3	>300m	
		S09b	Southwest	307	85	-10	-58	3	>300m	
		S10	Southwest	300	81	-10	-58	3	>300m	
		S10a	Southwest	299	80	-10	-58	3	15	
		S11	Southwest	294	88	-10	-57	3	24	
	S12	South	318	78	-10	-58	3	>300m		
	S13	South	320	77	-10	-58	3	>300m		
	S14	South	324	77	-10	-58	3	>300m		
	S14a	South	328	75	-10	-58	3	>300m		
	S14b	Northwest	76	73	0	-46	3	30		
	S14c	Northwest	76	73	0	-46	3	30		
	S15	Northwest	74	79	0	-45	3	37		
	S15a	Northwest	72	72	0	-45	3	30		
	S15b	Northwest	66	72	0	-44	3	31		
	S16	Northwest	66	80	0	-44	3	39		
	S16a	Northwest	63	70	0	-44	3	29		
	S17	Northwest	59	77	0	-43	3	37		
	S18	Northwest	58	77	0	-43	3	37		
	S19	Northwest	61	76	0	-44	3	35		
	S20	Northwest	62	78	0	-44	3	37		
	S20a	Top	63	77	0	-44	3	36		

Remarks:

[1] As a conservative approach, only horizontal distance has been considered in the calculation of distance correction.

[2] -10 dB(A) correction has been adopted for NSRs screened by buildings from ventilation shaft and -5 dB(A) correction for NSRs which do not have direct line of sight to ventilation shaft.

Detailed Fixed Plant Noise Calculation for NOL Fixed Noise Source

NAP: P-SWW-R10  
 Description: Potential Village Development in "V" zone in Shek Wu Wai  
 Noise Source: OU(MU)1.2.1\_1, OU(MU)1.2.1\_2

Daytime/ Evening

NAP	NOL NS ID	Plant Item	Direction Facing	Horizontal Distance , m [1]	SWL, dB(A)	Correction for line of sight [2], dB(A)	Distance Correction of Point Source, dB(A)	Façade Correction, dB(A)	Predicted SPL, dB(A)	Total SPL, dB(A)
P-SWW-R10	OU(MU)1.2.1_1	S01	Southwest	479	88	-10	-62	3	>300m	43
		S02	Southwest	475	88	-10	-62	3	>300m	
		S03	Southwest	473	88	-10	-62	3	>300m	
		S04	Southwest	471	88	-10	-61	3	>300m	
		S05	Southwest	470	88	-10	-61	3	>300m	
		S06	Southwest	465	88	-10	-61	3	>300m	
		S07	Southwest	463	88	-10	-61	3	>300m	
		S08	Southwest	462	88	-10	-61	3	>300m	
		S09	Southwest	458	88	-10	-61	3	>300m	
		S09a	Southwest	454	88	-10	-61	3	>300m	
		S09b	Southwest	450	93	-10	-61	3	>300m	
		S10	Southwest	440	89	-10	-61	3	>300m	
		S10a	Southwest	439	88	-10	-61	3	>300m	
		S11	Southwest	430	96	-10	-61	3	>300m	
	S12	South	477	86	-10	-62	3	>300m		
	S13	South	477	85	-10	-62	3	>300m		
	S14	South	479	85	-10	-62	3	>300m		
	S14a	South	480	83	-10	-62	3	>300m		
	S14b	Northwest	257	81	0	-56	3	28		
	S14c	Northwest	257	81	0	-56	3	28		
	S15	Northwest	255	87	0	-56	3	34		
	S15a	Northwest	253	80	0	-56	3	27		
	S15b	Northwest	249	80	0	-56	3	27		
	S16	Northwest	248	88	0	-56	3	35		
	S16a	Northwest	245	78	0	-56	3	25		
	S17	Northwest	240	85	0	-56	3	32		
	S18	Northwest	236	85	0	-55	3	33		
	S19	Northwest	230	84	0	-55	3	32		
	S20	Northwest	229	86	0	-55	3	34		
	S20a	Top	233	88	0	-55	3	36		

Night-time

NAP	NOL NS ID	Plant Item	Direction Facing	Horizontal Distance , m [1]	SWL, dB(A)	Correction for line of sight [2], dB(A)	Distance Correction of Point Source, dB(A)	Façade Correction, dB(A)	Predicted SPL, dB(A)	Total SPL, dB(A)
P-SWW-R10	OU(MU)1.2.1_1	S01	Southwest	479	80	-10	-62	3	>300m	34
		S02	Southwest	475	80	-10	-62	3	>300m	
		S03	Southwest	473	80	-10	-62	3	>300m	
		S04	Southwest	471	80	-10	-61	3	>300m	
		S05	Southwest	470	80	-10	-61	3	>300m	
		S06	Southwest	465	80	-10	-61	3	>300m	
		S07	Southwest	463	80	-10	-61	3	>300m	
		S08	Southwest	462	80	-10	-61	3	>300m	
		S09	Southwest	458	80	-10	-61	3	>300m	
		S09a	Southwest	454	80	-10	-61	3	>300m	
		S09b	Southwest	450	85	-10	-61	3	>300m	
		S10	Southwest	440	81	-10	-61	3	>300m	
		S10a	Southwest	439	80	-10	-61	3	>300m	
		S11	Southwest	430	88	-10	-61	3	>300m	
	S12	South	477	78	-10	-62	3	>300m		
	S13	South	477	77	-10	-62	3	>300m		
	S14	South	479	77	-10	-62	3	>300m		
	S14a	South	480	75	-10	-62	3	>300m		
	S14b	Northwest	257	73	0	-56	3	20		
	S14c	Northwest	257	73	0	-56	3	20		
	S15	Northwest	255	79	0	-56	3	26		
	S15a	Northwest	253	72	0	-56	3	19		
	S15b	Northwest	249	72	0	-56	3	19		
	S16	Northwest	248	80	0	-56	3	27		
	S16a	Northwest	245	70	0	-56	3	17		
	S17	Northwest	240	77	0	-56	3	24		
	S18	Northwest	236	77	0	-55	3	25		
	S19	Northwest	230	76	0	-55	3	24		
	S20	Northwest	229	78	0	-55	3	26		
	S20a	Top	233	77	0	-55	3	25		

Remarks:

[1] As a conservative approach, only horizontal distance has been considered in the calculation of distance correction.

[2] -10 dB(A) correction has been adopted for NSRs screened by buildings from ventilation shaft and -5 dB(A) correction for NSRs which do not have direct line of sight to ventilation shaft.

## Detailed Fixed Plant Noise Calculation for NOL Fixed Noise Source

NAP: P-G31-R4

Description: Proposed Divisional Fire Station-cum-Ambulance Depot, FSD staff married quarters, Operational Base for Tactical Support Unit and General Store, Community Emergency Preparedness Experiential Learning Centre

Noise Source: G(RAF).1.7

Daytime/ Evening

NAP	NOL NS ID	Plant Item	Direction Facing	Horizontal Distance , m <sup>[1]</sup>	SWL, dB(A)	Correction for line of sight <sup>[2]</sup> , dB(A)	Distance Correction of Point Source, dB(A)	Façade Correction, dB(A)	Predicted SPL, dB(A)	Total SPL, dB(A)
P-G31-R4	G(RAF).1.7	KTA-1	Northwest	345	95	-10	-59	3	29	49
		KTA-1a	Northwest	350	93	-10	-59	3	27	
		KTA-1b	Northwest	364	93	-10	-59	3	27	
		KTA-2	Northeast	376	95	-10	-60	3	28	
		KTA-3	Northeast	375	95	-10	-59	3	29	
		KTA-4	Northeast	373	95	-10	-59	3	29	
		KTA-5	Northeast	372	95	-10	-59	3	29	
		KTA-5a	Northeast	371	95	-10	-59	3	29	
		KTA-6	Northeast	370	95	-10	-59	3	29	
		KTA-7	Northeast	369	95	-10	-59	3	29	
		KTA-7a	Northeast	368	95	-10	-59	3	29	
		KTA-7b	Northeast	367	95	-10	-59	3	29	
		KTA-8	Northeast	366	95	-10	-59	3	29	
		KTA-9	Northeast	363	95	-10	-59	3	29	
		KTA-9a	Southeast	361	95	0	-59	3	39	
		KTA-9b	Southeast	328	95	0	-58	3	40	
		KTA-10	Southeast	318	95	0	-58	3	40	
KTA-10a	Southwest	317	95	0	-58	3	40			
KTA-10b	Southwest	318	95	0	-58	3	40			
KTA-11	Top	320	97	0	-58	3	42			

Night-time

NAP	Plant Item	Direction Facing	Horizontal Distance , m <sup>[1]</sup>	SWL, dB(A)	Correction for line of sight <sup>[2]</sup> , dB(A)	Distance Correction of Point Source, dB(A)	Façade Correction, dB(A)	Predicted SPL, dB(A)	Total SPL, dB(A)	
P-G31-R4	G(RAF).1.7	KTA-1	Northwest	345	88	-10	-59	3	22	41
		KTA-1a	Northwest	350	86	-10	-59	3	20	
		KTA-1b	Northwest	364	86	-10	-59	3	20	
		KTA-2	Northeast	376	85	-10	-60	3	18	
		KTA-3	Northeast	375	85	-10	-59	3	19	
		KTA-4	Northeast	373	85	-10	-59	3	19	
		KTA-5	Northeast	372	85	-10	-59	3	19	
		KTA-5a	Northeast	371	88	-10	-59	3	22	
		KTA-6	Northeast	370	85	-10	-59	3	19	
		KTA-7	Northeast	369	85	-10	-59	3	19	
		KTA-7a	Northeast	368	88	-10	-59	3	22	
		KTA-7b	Northeast	367	88	-10	-59	3	22	
		KTA-8	Northeast	366	85	-10	-59	3	19	
		KTA-9	Northeast	363	85	-10	-59	3	19	
		KTA-9a	Southeast	361	88	0	-59	3	32	
		KTA-9b	Southeast	328	88	0	-58	3	33	
		KTA-10	Southeast	318	88	0	-58	3	33	
KTA-10a	Southwest	317	88	0	-58	3	33			
KTA-10b	Southwest	318	88	0	-58	3	33			
KTA-11	Top	320	90	0	-58	3	35			

Remarks:

[1] As a conservative approach, only horizontal distance has been considered in the calculation of distance correction.

[2] -10 dB(A) correction has been adopted for NSRs screened by buildings from ventilation shaft and -5 dB(A) correction for NSRs which do not have direct line of sight to ventilation shaft.

Detailed Fixed Plant Noise Calculation for NOL Fixed Noise Source

NAP: VR-R15  
 Description: Proposed Village Development  
 Noise Source: G(RAF).3.4

Daytime

NAP	NOL NS ID	Plant Item	Direction Facing	Horizontal Distance , m <sup>[1]</sup>	SWL, dB(A)	Correction for line of sight <sup>[2]</sup> , dB(A)	Distance Correction of Point Source, dB(A)	Façade Correction, dB(A)	Predicted SPL, dB(A)	Total SPL, dB(A)
VR-R15	G(RAF).3.4	KLA-1	Northeast	166	96	0	-52	3	47	56
		KLA-2	Northeast	170	96	0	-53	3	46	
		KLA-3	Northeast	173	96	0	-53	3	46	
		KLA-4	Northeast	177	96	0	-53	3	46	
		KLA-4a	Southeast	190	93	-10	-54	3	32	
		KLA-4b	Southeast	191	93	-10	-54	3	32	
		KLA-4c	Southwest	191	93	-10	-54	3	32	
		KLA-4d	Southwest	189	93	-10	-54	3	32	
		KLA-4e	Southwest	188	93	-10	-54	3	32	
		KLA-4f	Southwest	182	93	-10	-53	3	33	
		KLA-4g	Southwest	180	93	-10	-53	3	33	
		KLA-4h	Northwest	175	93	0	-53	3	43	
		KLA-4i	Southwest	168	93	-10	-53	3	33	
		KLA-4j	Northwest	164	96	0	-52	3	47	
KLA-4k	Northwest	152	96	0	-52	3	47			
KLA-5	Top	172	97	0	-53	3	47			

Night-time

NAP	NOL NS ID	Plant Item	Direction Facing	Horizontal Distance , m <sup>[1]</sup>	SWL, dB(A)	Correction for line of sight <sup>[2]</sup> , dB(A)	Distance Correction of Point Source, dB(A)	Façade Correction, dB(A)	Predicted SPL, dB(A)	Total SPL, dB(A)
VR-R15	G(RAF).3.4	KLA-1	Northeast	166	88	0	-52	3	39	47
		KLA-2	Northeast	170	88	0	-53	3	38	
		KLA-3	Northeast	173	88	0	-53	3	38	
		KLA-4	Northeast	177	88	0	-53	3	38	
		KLA-4a	Southeast	190	85	-10	-54	3	24	
		KLA-4b	Southeast	191	85	-10	-54	3	24	
		KLA-4c	Southwest	191	85	-10	-54	3	24	
		KLA-4d	Southwest	189	85	-10	-54	3	24	
		KLA-4e	Southwest	188	85	-10	-54	3	24	
		KLA-4f	Southwest	182	85	-10	-53	3	25	
		KLA-4g	Southwest	180	85	-10	-53	3	25	
		KLA-4h	Northwest	175	85	0	-53	3	35	
		KLA-4i	Southwest	168	85	-10	-53	3	25	
		KLA-4j	Northwest	164	88	0	-52	3	39	
KLA-4k	Northwest	152	88	0	-52	3	39			
KLA-5	Top	172	88	0	-53	3	38			

Remarks:

[1] As a conservative approach, only horizontal distance has been considered in the calculation of distance correction.

[2] -10 dB(A) correction has been adopted for NSRs screened by buildings from ventilation shaft and -5 dB(A) correction for NSRs which do not have direct line of sight to ventilation shaft.

## Detailed Fixed Plant Noise Calculation for NOL Fixed Noise Source

NAP: P-RSc27-R1

Description: Temporary Structure near Lok Ma Chau

Noise Source: G(RAF).5.15

Daytime/ Evening

NAP	NOL NS ID	Plant Item	Direction Facing	Horizontal Distance , m <sup>[1]</sup>	SWL, dB(A)	Correction for line of sight <sup>[2]</sup> , dB(A)	Distance Correction of Point Source, dB(A)	Façade Correction, dB(A)	Predicted SPL, dB(A)	Total SPL, dB(A)
P-RSc27-R1	G(RAF).5.15	SNA-1	Northwest	118	88	-10	-49	3	32	55
		SNA-1a	Northwest	108	88	-10	-49	3	32	
		SNA-2	Northwest	86	88	0	-47	3	44	
		SNA-3	Southeast	66	88	0	-44	3	47	
		SNA-4	Southeast	67	82	0	-45	3	40	
		SNA-5	Southeast	68	82	0	-45	3	40	
		SNA-6	Southeast	68	82	0	-45	3	40	
		SNA-7	Southeast	69	82	0	-45	3	40	
		SNA-8	Southeast	69	82	0	-45	3	40	
		SNA-9	Southeast	70	82	0	-45	3	40	
		SNA-10	Southeast	72	82	0	-45	3	40	
		SNA-11	Southeast	72	82	0	-45	3	40	
		SNA-11a	Southeast	73	82	0	-45	3	40	
		SNA-12	Southwest	100	88	0	-48	3	43	
SNA-12a	Southeast	77	83	0	-46	3	40			
SNA-12b	Southeast	76	83	0	-46	3	40			
SNA-13	Top	107	94	0	-49	3	48			
SNA-13a	Southeast	78	83	0	-46	3	40			
SNA-13b	Southeast	78	82	0	-46	3	39			
SNA-13c	Southeast	74	82	0	-45	3	40			
SNA-13d	Southeast	74	82	0	-45	3	40			
SNA-14	Northwest	98	82	-10	-48	3	27			

Night-time

NAP	Plant Item	Direction Facing	Horizontal Distance , m <sup>[1]</sup>	SWL, dB(A)	Correction for line of sight <sup>[2]</sup> , dB(A)	Distance Correction of Point Source, dB(A)	Façade Correction, dB(A)	Predicted SPL, dB(A)	Total SPL, dB(A)	
P-RSc27-R1	G(RAF).5.15	SNA-1	Northwest	118	80	-10	-49	3	24	47
		SNA-1a	Northwest	108	80	-10	-49	3	24	
		SNA-2	Northwest	86	80	0	-47	3	36	
		SNA-3	Southeast	66	80	0	-44	3	39	
		SNA-4	Southeast	67	74	0	-45	3	32	
		SNA-5	Southeast	68	74	0	-45	3	32	
		SNA-6	Southeast	68	74	0	-45	3	32	
		SNA-7	Southeast	69	74	0	-45	3	32	
		SNA-8	Southeast	69	74	0	-45	3	32	
		SNA-9	Southeast	70	74	0	-45	3	32	
		SNA-10	Southeast	72	74	0	-45	3	32	
		SNA-11	Southeast	72	74	0	-45	3	32	
		SNA-11a	Southeast	73	74	0	-45	3	32	
		SNA-12	Southwest	100	80	0	-48	3	35	
SNA-12a	Southeast	77	75	0	-46	3	32			
SNA-12b	Southeast	76	75	0	-46	3	32			
SNA-13	Top	107	86	0	-49	3	40			
SNA-13a	Southeast	78	75	0	-46	3	32			
SNA-13b	Southeast	78	74	0	-46	3	31			
SNA-13c	Southeast	74	74	0	-45	3	32			
SNA-13d	Southeast	74	74	0	-45	3	32			
SNA-14	Northwest	98	74	-10	-48	3	19			

## Remarks:

[1] As a conservative approach, only horizontal distance has been considered in the calculation of distance correction.

[2] -10 dB(A) correction has been adopted for NSRs screened by buildings from ventilation shaft and -5 dB(A) correction for NSRs which do not have direct line of sight to ventilation shaft.

## Detailed Fixed Plant Noise Calculation for NOL Fixed Noise Source

NAP: E-SAT- E4

Description: Temporary Structure near Lok Ma Chau

Noise Source: G(RAF).5.15

Daytime/ Evening

NAP	NOL NS ID	Plant Item	Direction Facing	Horizontal Distance , m <sup>[1]</sup>	SWL, dB(A)	Correction for line of sight <sup>[2]</sup> , dB(A)	Distance Correction of Point Source, dB(A)	Façade Correction, dB(A)	Predicted SPL, dB(A)	Total SPL, dB(A)
E-SAT- E4	G(RAF).5.15	SNA-1	Northwest	212	88	0	-55	3	36	45
		SNA-1a	Northwest	214	88	0	-55	3	36	
		SNA-2	Northwest	233	88	-10	-55	3	26	
		SNA-3	Southeast	252	88	-10	-56	3	25	
		SNA-4	Southeast	252	82	-10	-56	3	19	
		SNA-5	Southeast	252	82	-10	-56	3	19	
		SNA-6	Southeast	252	82	-10	-56	3	19	
		SNA-7	Southeast	252	82	-10	-56	3	19	
		SNA-8	Southeast	252	82	-10	-56	3	19	
		SNA-9	Southeast	252	82	-10	-56	3	19	
		SNA-10	Southeast	253	82	-10	-56	3	19	
		SNA-11	Southeast	253	82	-10	-56	3	19	
		SNA-11a	Southeast	253	82	-10	-56	3	19	
		SNA-12	Southwest	234	88	-10	-55	3	26	
SNA-12a	Southeast	246	83	-10	-56	3	20			
SNA-12b	Southeast	246	83	-10	-56	3	20			
SNA-13	Top	212	94	0	-55	3	42			
SNA-13a	Southeast	247	83	-10	-56	3	20			
SNA-13b	Southeast	246	82	-10	-56	3	19			
SNA-13c	Southeast	246	82	-10	-56	3	19			
SNA-13d	Southeast	246	82	-10	-56	3	19			
SNA-14	Northwest	226	82	0	-55	3	30			

Night-time

NAP	Plant Item	Direction Facing	Horizontal Distance , m <sup>[1]</sup>	SWL, dB(A)	Correction for line of sight <sup>[2]</sup> , dB(A)	Distance Correction of Point Source, dB(A)	Façade Correction, dB(A)	Predicted SPL, dB(A)	Total SPL, dB(A)	
E-SAT- E4	G(RAF).5.15	SNA-1	Northwest	212	80	0	-55	3	28	37
		SNA-1a	Northwest	214	80	0	-55	3	28	
		SNA-2	Northwest	233	80	-10	-55	3	18	
		SNA-3	Southeast	252	80	-10	-56	3	17	
		SNA-4	Southeast	252	74	-10	-56	3	11	
		SNA-5	Southeast	252	74	-10	-56	3	11	
		SNA-6	Southeast	252	74	-10	-56	3	11	
		SNA-7	Southeast	252	74	-10	-56	3	11	
		SNA-8	Southeast	252	74	-10	-56	3	11	
		SNA-9	Southeast	252	74	-10	-56	3	11	
		SNA-10	Southeast	253	74	-10	-56	3	11	
		SNA-11	Southeast	253	74	-10	-56	3	11	
		SNA-11a	Southeast	253	74	-10	-56	3	11	
		SNA-12	Southwest	234	80	-10	-55	3	18	
SNA-12a	Southeast	246	75	-10	-56	3	12			
SNA-12b	Southeast	246	75	-10	-56	3	12			
SNA-13	Top	212	86	0	-55	3	34			
SNA-13a	Southeast	247	75	-10	-56	3	12			
SNA-13b	Southeast	246	74	-10	-56	3	11			
SNA-13c	Southeast	246	74	-10	-56	3	11			
SNA-13d	Southeast	246	74	-10	-56	3	11			
SNA-14	Northwest	226	74	0	-55	3	22			

## Remarks:

[1] As a conservative approach, only horizontal distance has been considered in the calculation of distance correction.

[2] -10 dB(A) correction has been adopted for NSRs screened by buildings from ventilation shaft and -5 dB(A) correction for NSRs which do not have direct line of sight to ventilation shaft.

Detailed Fixed Plant Noise Calculation for NOL Fixed Noise Source

NAP: E-PSA-E2  
 Description: Village House near Pak Shek Au  
 Noise Source: G(RAF).PSA

Daytime/ Evening

NAP	NOL NS ID	Plant Item	Direction Facing	Horizontal Distance, m <sup>(1)</sup>	SWL, dB(A)	Correction for line of sight <sup>(2)</sup> , dB(A)	Distance Correction of Point Source, dB(A)	Façade Correction, dB(A)	Predicted SPL, dB(A)	Total SPL, dB(A)
E-PSA-E2	G(RAF).PSA	PAA-1	South	132	87	0	-50	3	40	53
		PAA-2	South	128	87	0	-50	3	40	
		PAA-3	South	125	87	0	-50	3	40	
		PAA-4	South	119	87	0	-50	3	40	
		PAA-4a	Southeast	108	87	0	-49	3	41	
		PAA-4b	Southeast	107	87	0	-49	3	41	
		PAA-4c	Northwest	97	87	0	-48	3	42	
		PAA-4d	Northwest	95	87	0	-48	3	42	
		PAA-4e	Southeast	93	87	0	-47	3	43	
		PAA-4f	Northwest	97	87	-10	-48	3	32	
		PAA-4g	Northwest	113	87	-10	-49	3	31	
		PAA-4h	Northwest	130	87	-10	-50	3	30	
		PAA-4i	Northwest	137	89	-10	-51	3	31	
		PAA-5	Top	111	91	0	-49	3	45	
		PAA-6	Northwest	135	93	-10	-51	3	35	
		PAA-7	Northwest	143	87	-10	-51	3	29	
		PAA-8	Northwest	143	87	-10	-51	3	29	
		PAA-9	Northwest	148	87	-10	-51	3	29	
		PAA-10	Northwest	148	87	-10	-51	3	29	
		PAA-11	Northwest	150	87	-10	-52	3	28	
		PAA-12	Northwest	151	87	-10	-52	3	28	
		PAA-12a	Northwest	157	87	-10	-52	3	28	
		PAA-13	Northwest	163	93	-10	-52	3	34	
		PAA-14	East	177	87	-10	-53	3	27	
		PAA-15	East	177	87	-10	-53	3	27	
		PAA-16	East	177	87	-10	-53	3	27	
		PAA-17	East	177	87	-10	-53	3	27	
		PAA-18	East	178	87	-10	-53	3	27	
		PAA-19	East	178	87	-10	-53	3	27	
		PAA-20	South	169	93	-10	-53	3	33	
PAA-21	South	161	93	-10	-52	3	34			
PAA-22	South	159	87	-10	-52	3	28			
PAA-23	South	155	87	-10	-52	3	28			
PAA-24	South	153	93	-10	-52	3	34			
PAA-25	South	148	93	-10	-51	3	35			
PAA-26	South	142	87	-10	-51	3	29			
PAA-27	South	140	93	-10	-51	3	35			
PAA-28	South	133	93	-10	-50	3	36			
PAA-29	South	130	87	-10	-50	3	30			
PAA-30	Southwest	122	87	0	-50	3	40			

Night-time

NAP	Plant Item	Direction Facing	Horizontal Distance , m <sup>[1]</sup>	SWL, dB(A)	Correction for line of sight <sup>[2]</sup> , dB(A)	Distance Correction of Point Source, dB(A)	Façade Correction, dB(A)	Predicted SPL, dB(A)	Total SPL, dB(A)
E-PSA-E2	G(RAF).PSA	PAA-1	South	132	81	0	-50	3	34
		PAA-2	South	128	81	0	-50	3	34
		PAA-3	South	125	81	0	-50	3	34
		PAA-4	South	119	81	0	-50	3	34
		PAA-4a	Southeast	108	81	0	-49	3	35
		PAA-4b	Southeast	107	81	0	-49	3	35
		PAA-4c	Northwest	97	81	0	-48	3	36
		PAA-4d	Northwest	95	81	0	-48	3	36
		PAA-4e	Southeast	93	81	0	-47	3	37
		PAA-4f	Northwest	97	81	-10	-48	3	26
		PAA-4g	Northwest	113	81	-10	-49	3	25
		PAA-4h	Northwest	130	81	-10	-50	3	24
		PAA-4i	Northeast	137	83	-10	-51	3	25
		PAA-5	Top	111	85	0	-49	3	39
		PAA-6	Northwest	135	87	-10	-51	3	29
		PAA-7	Northwest	143	81	-10	-51	3	23
		PAA-8	Northwest	143	81	-10	-51	3	23
		PAA-9	Northwest	148	81	-10	-51	3	23
		PAA-10	Northwest	148	81	-10	-51	3	23
		PAA-11	Northwest	150	81	-10	-52	3	22
		PAA-12	Northwest	151	81	-10	-52	3	22
		PAA-12a	Northwest	157	81	-10	-52	3	22
		PAA-13	Northwest	163	87	-10	-52	3	28
		PAA-14	East	177	81	-10	-53	3	21
		PAA-15	East	177	81	-10	-53	3	21
		PAA-16	East	177	81	-10	-53	3	21
		PAA-17	East	177	81	-10	-53	3	21
		PAA-18	East	178	81	-10	-53	3	21
		PAA-19	East	178	81	-10	-53	3	21
		PAA-20	South	169	87	-10	-53	3	27
PAA-21	South	161	87	-10	-52	3	28		
PAA-22	South	159	81	-10	-52	3	22		
PAA-23	South	155	81	-10	-52	3	22		
PAA-24	South	153	87	-10	-52	3	28		
PAA-25	South	148	87	-10	-51	3	29		
PAA-26	South	142	81	-10	-51	3	23		
PAA-27	South	140	87	-10	-51	3	29		
PAA-28	South	133	87	-10	-50	3	30		
PAA-29	South	130	81	-10	-50	3	24		
PAA-30	Southwest	122	81	0	-50	3	34		

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Remarks:

[1] As a conservative approach, only horizontal distance has been considered in the calculation of distance correction.

[2] A negative correction of 10 dB(A) has been adopted to the direction facing of the louvre totally screened by buildings and negative correction of 5 dB(A) for NSR do not have direct line of sight to the louvre.