

APPENDIX 4B DETAILS OF BACKGROUND NOISE MEASUREMENT

Appendix 4B - Detailed Noise Measurement Results

Noise Monitoring Field Record Sheet

Project Name / GMS No.:	0576490 HKE LPS OCGT EIA
Date of Monitoring:	14 - 15 Decmeber 2020 and 28 - 29 May 2021
Measurement Location	Concerto Inn (near NSR N2)
Noise Monitoring Staff:	Pako Yu
Temperature:	22 °C (14-15 Dec 2020)/ 33 °C (28-29 May 2021)
Wind Speed:	<5 m/s
Noise Meter Model / Identification:	Rion NL-52/01298719
Calibrator Model / Identification:	01dB-Stell CAL21/34113606(2011)
Calibration Level before Measurement (dB(A)):	94.0
Calibration Level after Measurement (dB(A)):	94.0

Background Noise Measurement Results (dB(A)):

Date	Time	$L_{eq(30min)}$, dB(A)	$L_{max(30min)}$, dB(A)	$L_{min(30min)}$, dB(A)	$L_{10(30min)}$, dB(A)	$L_{90, 30min}$ (dB(A))	Averaged $L_{90(30min)}$, dB(A)
Daytime & Evening Period							
14/12/2020	22:00-22:30	56.3	69.6	51.7	58.8	53.6	52.6
14/12/2020	22:30-23:00	55.9	68.7	52.0	58.5	53.5	
28/05/2021	22:00-22:30	53.6	72.1	49.9	55.5	51.6	
28/05/2021	22:30-23:00	52.9	60.1	48.5	54.8	51.2	
Night-time Period							
15/12/2020	02:00-02:30	55.7	75.3	51.2	59.1	53.0	51.6
15/12/2020	02:30-03:00	55.0	74.0	51.3	57.6	52.7	
29/05/2021	02:00-02:30	51.4	56.6	47.2	53.1	49.7	
29/05/2021	02:30-03:00	51.2	58.7	46.9	52.9	49.8	

Notes:

- (a) The instruments used for the noise measurements comply with International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1).
- (b) The background noise environment is mainly dominant by sea waves.



Concerto Inn – near N2