

Appendix H

Construction Noise Monitoring Results

Noise Impact Monitoring Result for Contract No. HY/2018/08 Central Kowloon Route – Central Tunnel

M-N3 - SKH Tsoi Kung Po Secondary School

Date	Start Time	Measured Noise Level Leq 30min dB(A) #	Corrected Noise Level* dB(A)	Limit Level^	L10 dB(A)	L90 dB(A)	Wind Speed (m/s)	Weather
4-Jan-23	12:45	66.6	NA	70	68.5	65.0	0.8	Fine
10-Jan-23	13:04	66.7	NA	65	69.5	63.0	0.3	Fine
16-Jan-23	8:39	69.0	63.1	65	72.0	60.5	0.9	Fine
26-Jan-23	9:02	67.8	NA	70	70.5	58.5	0.7	Fine
	Max	69.0	63.1					
	Min	66.6	63.1					

Notes:

Free field noise levels were adjusted with a correlation of +3 dB(A).

* Corrected Noise Level = $10 \cdot \log(10^{(Measured\ Noise\ Level/10)} - 10^{(Baseline\ Noise\ Level/10)})$; NA refers to Not Applied as the Measured Noise Level < Limit Level.

The Measured Noise Level on 10 Jan 2023 is 66.7 dB(A), which is lower than the Baseline Noise Level (67.7 dB(A)).

^ The Limit Level was 70 dB(A) for the teaching period (3-4 Jan 23, 17-19 Jan 23) and 65 dB(A) for the examination period (5-17 Jan 23)

The Construction Noise Level on 16 Jan 2023 is corrected to 63.1 dB(A) based on the formula $10 \cdot \log(10^{(69.0/10)} - 10^{(67.7/10)})=63.1$. Therefore, the noise monitoring level is complied with the noise criteria stipulated in EIAO-TM.

