

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
1-Feb-23	12:45	69.2	NA	70	73.0	62.0	4.2	Fine
7-Feb-23	13:09	70.7	67.7	70	73.5	65.5	3.6	Fine
13-Feb-23	13:19	68.9	62.7	65	71.5	62.5	3.9	Fine
23-Feb-23	8:51	69.1	63.5	65	72.0	63.0	4.7	Fine
	Max	70.7	67.7					
	Min	68.9	62.7					

Notes:

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

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

^ The Limit Level was 70 dB(A) for the teaching period (1-3 Feb 23, 6-10 Feb 23, and 27-28 Feb 23) and 65 dB(A) for the examination period (13-17 Feb 23 and 20-24 Feb 23)

The Construction Noise Level on 7 Feb 23 is corrected to 67.7 dB(A) based on the formula $10 * \log(10^{(70.7/10)} - 10^{(66.7/10)})=67.7$, the Construction Noise Level on 13 Feb 23 is corrected to 62.7 dB(A) based on the formula $10 * \log(10^{(68.9/10)} - 10^{(66.7/10)})=62.7$. While the Construction Noise Level on 23 Feb 23 is corrected to 63.5 dB(A) based on the formula $10 * \log(10^{(69.1/10)} - 10^{(67.7/10)})=63.5$. Therefore, the noise monitoring level is complied with the noise criteria stipulated in EIAO-TM.

