Appendix H

Construction Noise Monitoring

Results



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

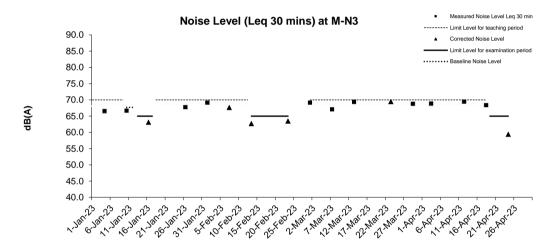
M-N3 - SKH Tsoi Kung Po Secondary School

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
3-Apr-23	9:03	68.9	NA	70	71.5	62.5	3.3	Fine
12-Apr-23	9:04	69.5	NA	70	72.5	62.0	2.8	Fine
18-Apr-23	13:00	68.4	NA	70	70.5	65.0	3.3	Fine
24-Apr-23	12:55	68.3	59.4	65	70.0	65.5	2.2	Cloudy
	Max	69.5	59.4					
	Min	68.3	59.4					

Notes

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

The Construction Noise Level on 24 Apr 23 is corrected to $59.4 \, \text{dB(A)}$ based on the formula $10^* \, \log(10^*(68.3/10) - 10^*(67.7/10)) = 59.4$. Therefore, the noise monitoring level is complied with the noise criteria stipulated in EIAO-TM.



^{*} 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 and 65 dB(A) for the examination period.