

## Appendix 4.20 Fixed Noise Calculation

### Fixed Plant Noise Calculation

NSR	Fixed Plant Noise Source	Fixed Noise SWL, dB(A) *	Distance, m	Corrections dB(A)			SPL at NSR, dB(A)	SPL at NSR due to the Project, dB(A)	Criterion, dB(A) (Day/Evening/Night)	
				Distance	Tonal	Façade			Measured Min L <sub>A90</sub>	ANL -5
PHD3	Proposed Ventilation Building at Kowloon Portal	90	60	-44	6	3	55	55	73 / 75 / 62	65 / 65 / 55

Remarks:

\* The noise level of the proposed ventilation shaft has been confirmed by project engineer.

### Summary Table

NSR	Fixed Plant Noise Level at NSR, dB(A)	Criterion, dB(A) (Day/Evening/Night) <sup>+</sup>	Compliance to Criteria
PHD3	55	65 / 65 / 55	Yes

Remarks:

+ Fixed noise criterion is the lesser of (ANL-5) and measured minimum LA90.