

A - Site Formation / Foundation

| PME | CNP Ref / Other PME / BS 5228 ⁽¹⁾ | Number | SWL, dB(A) | % on time with any 30 minutes | Correction of Noise Barrier for N1a & N1b, dB(A) | SWL with corrections, dB(A) | Total SWL, dB(A) |
|---|--|--------|------------|-------------------------------|--|-----------------------------|------------------|
| Mini Excavator mounted breaker | Table C8/12#c | 1 | 106 | 100% | -5.0 | 101 | 110.3 |
| Bulldozer | Table C3/27#d* | 1 | 109 | 50% | -5.0 | 101 | |
| Concrete lorry mixer | Table C6/23#a | 1 | 100 | 100% | -5.0 | 95 | |
| Mobile crane | Table C7/114#ab | 1 | 101 | 50% | 0.0 | 98 | |
| Mini Piling (Reverse circulation drill) | CNP 166 | 2 | 100 | 100% | 0.0 | 103 | |
| Dump truck with gross vehicle weight<38 tonne | Other PME | 2 | 105 | 50% | -5.0 | 100 | |
| Excavator/loader | Table C3/97#ab | 2 | 105 | 100% | -5.0 | 103 | |
| Generator (Super silenced) | CNP 103 | 2 | 95 | 100% | -5.0 | 93 | |
| Lorry with gross vehicle weight<38 tonne | Other PME | 2 | 105 | 50% | -5.0 | 100 | |
| Poker, vibratory, hand-held (electric) | Other PME | 1 | 102 | 100% | -5.0 | 97 | |
| Roller, vibratory | Table C3/115#a | 1 | 102 | 100% | -5.0 | 97 | |
| Water pump | CNP 281 | 2 | 88 | 100% | -5.0 | 86 | |

B - Superstructure

| PME | CNP Ref / Other PME / BS 5228 ⁽¹⁾ | Number | SWL, dB(A) | % on time with any 30 minutes | Correction of Noise Barrier for N1a & N1b, dB(A) | SWL with corrections, dB(A) | Total SWL, dB(A) |
|--|--|--------|------------|-------------------------------|--|-----------------------------|------------------|
| Air Compressor, air flow <10 m ³ /min | CNP 001 | 1 | 100 | 100% | -5.0 | 95 | 110.1 |
| Bar bender and cutter (electric) | CNP 021 | 1 | 90 | 100% | -5.0 | 85 | |
| Generator (Super silenced) | CNP 103 | 2 | 95 | 100% | -5.0 | 93 | |
| Circular saw | CNP201 | 1 | 108 | 100% | -5.0 | 103 | |
| Concrete lorry mixer | Table C6/23#a | 1 | 100 | 100% | -5.0 | 95 | |
| Concrete pump | Table C6/36#b | 2 | 106 | 100% | -5.0 | 104 | |
| Crane, tower (electric) | CNP 049 | 2 | 95 | 100% | 0.0 | 98 | |
| Lorry/ Dump truck with gross vehicle weight<38 tonne | Other PME | 2 | 105 | 50% | -5.0 | 100 | |
| Poker, vibratory, hand-held (electric) | Other PME | 2 | 102 | 100% | 0.0 | 105 | |

- Notes:
1. Sound Power Levels are referred to GW-TM or "Sound power levels of other commonly used PME" (Other PME) published by EPD, or BS 5228:Part 1 1997.
 2. "SWL" denotes as Sound Power Level.
- # - ID number refers to BS 5228.
- a - the SWLs have been applied for the approved EIA Study for Widening of Tuen Mun Road at Tsing Tin Interchange (EIA-142/2007)
 - b - the SWLs have been applied for the approved EIA Study for Harbour Area Treatment Scheme (HATS) - Provision of Disinfection Facilities at Stonecutters Island Sewage Treatment Works (EIA-134/2007)
 - c - the SWLs have been applied for the approved EIA Study for A Commercial Scale Wind Turbine Pilot Demonstration at Hei Ling Chau (EIA-124/2006)
 - d - the SWLs have been applied for the approved EIA Study for Repositioning and Long Term Operation Plan of Ocean Park (EIA-121/2006)
- * - Although bulldozer (BS5288 C9/2) was adopted for EIA reference d, BS5228 C3/27 is considered to be more relevant.

Predicted Construction Noise Levels - Mitigated Scenario with Quiet PMEs Barrier (for N1a N1b)

N1a - Hung Kiu San Tsuen

| Construction Activity | Total SWL, dB(A) | Horizontal Distance to Notional Source, m | Distance Correction, dB(A) | Correction (Screened by Natural Topography), dB(A) | Facade Correction, dB(A) | Predicted Noise Level, dB(A) |
|---------------------------------|------------------|---|----------------------------|--|--------------------------|------------------------------|
| A - Site Formation / Foundation | 110.3 | 35.3 | -38.9 | 0.0 | 3.0 | 74.4 |
| B - Superstructure | 110.1 | 35.3 | -38.9 | 0.0 | 3.0 | 74.2 |

N1b - Hung Kiu San Tsuen

| Construction Activity | Total SWL, dB(A) | Horizontal Distance to Notional Source, m | Distance Correction, dB(A) | Correction (Screened by Natural Topography), dB(A) | Facade Correction, dB(A) | Predicted Noise Level, dB(A) |
|---------------------------------|------------------|---|----------------------------|--|--------------------------|------------------------------|
| A - Site Formation / Foundation | 110.3 | 45.2 | -41.1 | 0.0 | 3.0 | 72.2 |
| B - Superstructure | 110.1 | 45.2 | -41.1 | 0.0 | 3.0 | 72.0 |

Notes:

1. The representative NSRs N2, N3 and N9 are screened from the Site by the natural topography. These NSRs have no direct line of sight to the Site.
2. "SWL" denotes as Sound Power Level.