

Construction Plant Inventory - Unmitigated Scenario
 Work Type 1 - Construction of Sewer (Open Cut Method)

Unmitigated ▼

Project Specific PME Item	TM Ref./ other Ref	No. of Items	SWL	On-time %	On-time Cor.	Barrier Cor.	Total SWL, dB(A)	Total SWL, dB(A)
Stage 1 - Breaking up of road surface								
Breaker, hand-held, mass >10kg and < 20kg	CNP 024	1	108	30%	-5	0	102.8	-
Generator	CNP 103	1	95	100%	0	0	95.0	-
Total							103.4	0.0
Stage 2 - Excavation of soil material								
Backhoe (mini)	CNP 082	1	94	100%	0	0	94.0	-
Generator	CNP 103	1	95	100%	0	0	-	95.0
Submersible Pump	CNP 283	1	85	100%	0	0	-	85.0
Total							94.0	95.4
Stage 3 - Steel fixing & concreting of manholes								
Bar bender and cutter (electric)	CNP 021	1	90	20%	-7	0	-	83.0
Generator	CNP 103	1	95	100%	0	0	95.0	95.0
Poker, vibratory, hand-held	CNP 170	1	113	50%	-3	0	110.0	-
Total							110.1	95.3
Stage 4 - Laying of bedding material								
Generator	CNP 103	1	95	100%	0	0	-	95.0
Poker, vibratory, hand-held - 2	CNP 170	1	113	100%	0	0	-	113.0
Total							0.0	113.1
Stage 5 - Backfilling and soil compaction								
Vibratory compactor	CNP 055	1	105	50%	-3	0	102.0	-
Total							102.0	0.0
Stage 6 - Reinstatement of road surface								
Poker, vibratory, hand-held - 2	CNP 170	1	113	100%	0	0	113.0	-
Generator	CNP 103	1	95	100%	0	0	95.0	-
Total							113.1	0.0

Max Noise Level
113.1

Remarks:

*EPD - Details extracted from EPD website: http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf
 Due to space constraint, concrete will be delivered manually from the temporary working area for the construction of trunk sewer, sewer and rising main; and upgrading of existing sewer in the villages.
 Certain PMEs will be operated on site for a short period of time for the proposed works tasks. A 20, 30 and 50 percentage on-time has been given accordingly.

Construction Plant Inventory - Unmitigated Scenario
 Work Type 2 - Construction of Sewer (Trenchless Method)

Unmitigated ▼

Project Specific PME Item	TM Ref./ other Ref	No. of Items	SWL, dB(A)	On-time %	On-time Cor.	Barrier Cor.	Total SWL, dB(A)	Total SWL, dB(A)	Total SWL, dB(A)	Total SWL, dB(A)
Stage 1 - Excavation of Pits										
Piling, earth auger, auger	CNP 167	1	114	100%	0	0	114.0	-	-	-
Hoist (electric)	CNP 122	1	95	100%	0	0	95.0	-	-	-
Breaker, excavator mounted	CNP 028	1	122	100%	0	0	-	122.0	-	-
Excavator	CNP 081	1	112	100%	0	0	-	-	112.0	-
Dumper	CNP 066	1	106	100%	0	0	-	-	106.0	-
Generator	CNP 103	1	95	100%	0	0	95.0	-	95.0	-
Submersible Pump	CNP 283	2	85	100%	0	0	-	-	88.0	-
Grout Mixer	CNP 105	1	90	100%	0	0	-	-	-	90.0
Grout Pump	CNP 106	1	105	100%	0	0	-	-	-	105.0
Total							114.1	122.0	113.1	105.1
Stage 2 - Pipe Laid by Trenchless Method										
Tunnel Boring Machine	CNP 183	1	116	100%	0	0	116.0	-	-	-
Bentonite Filtering Plant	CNP 162	1	105	100%	0	0	105.0	-	-	-
Generator	CNP 103	1	95	100%	0	0	95.0	-	-	-
Dumper - 2	CNP 066	1	106	70%	-2	0	104.5	-	-	-
Hoist (electric) - 2	CNP 122	1	95	70%	-2	0	93.5	-	-	-
Submersible Pump	CNP 283	1	85	100%	0	0	85.0	-	-	-
Ventilation Fan	CNP 241	1	108	100%	0	0	108.0	-	-	-
Grout Mixer	CNP 105	1	90	100%	0	0	-	90.0	-	-
Grout Pump	CNP 106	1	105	100%	0	0	-	105.0	-	-
Total							117.2	105.1	0.0	0.0
Stage 3 - Steel fixing and concreting of manholes										
Bar bender and cutter (electric)	CNP 021	1	90	20%	-7	0	83.0	-	-	-
Generator	CNP 103	1	95	100%	0	0	-	95.0	-	-
Poker, vibratory, hand-held	CNP 170	1	113	50%	-3	0	-	110.0	-	-
Total							83.0	110.1	0.0	0.0
Stage 4 - Reinstatement of road surface										
Generator	CNP 103	1	95	100%	0	0	95.0	-	-	-
Poker, vibratory, hand-held	CNP 170	1	113	50%	-3	0	110.0	-	-	-
Total							110.1	0.0	0.0	0.0

Max Noise Level
122.0

Remarks:

Due to space constraint, concrete will be delivered manually from the temporary working area for the construction of trunk sewer, sewer and rising main; and upgrading of existing sewer in the villages. Certain PMEs will be operated on site for a short period of time for the proposed works tasks. A 50 and 70 percentage on-time has been given accordingly.

Construction Plant Inventory - Unmitigated Scenario
 Work Type 3 - Upgrading of Existing Sewer

Unmitigated ▼

Project Specific PME Item	TM Ref./ other Ref	No. of Items	SWL, dB(A)	On-time %	On-time Cor.	Barrier Cor.	Total SWL, dB(A)	Total SWL, dB(A)
Stage 1 - Breaking up of road surface								
Generator	CNP 103	1	95	100%	0	0	95.0	-
Breaker, hand-held, mass >10kg and < 20kg	CNP 024	1	108	30%	-5	0	102.8	-
Total							103.4	0.0
Stage 2 - Excavation of soil material								
Backhoe (mini)	CNP 082	1	94	100%	0	0	94.0	-
Generator	CNP 103	1	95	100%	0	0	-	95.0
Submersible Pump	CNP 283	1	85	100%	0	0	-	85.0
Total							94.0	95.4
Stage 3 - Removal of existing sewers and laying of new sewers								
Backhoe (mini)	CNP 082	1	94	100%	0	0	94.0	-
Total							94.0	0.0
Stage 4 - Steel fixing and concreting of manholes								
Bar bender and cutter (electric)	CNP 021	1	90	20%	-7	0	83.0	-
Generator	CNP 103	1	95	100%	0	0	-	95.0
Poker, vibratory, hand-held	CNP 170	1	113	50%	-3	0	-	110.0
Total							83.0	110.1
Stage 5 - Laying of bedding material								
Poker, vibratory, hand-held - 2	CNP 170	1	113	100%	0	0	113.0	-
Generator	CNP 103	1	95	100%	0	0	-	95.0
Total							113.1	0.0
Stage 6 - Backfilling and soil compaction								
Vibratory compactor	CNP 055	1	105	50%	-3	0	102.0	-
Total							102.0	0.0
Stage 7 - Reinstatement of road surface								
Poker, vibratory, hand-held - 2	CNP 170	1	113	100%	0	0	113.0	-
Generator	CNP 103	1	95	100%	0	0	-	95.0
Total							113.1	0.0

Max Noise Level
113.1

Remarks:

*EPD - Details extracted from EPD website: http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf
 Due to space constraint, concrete will be delivered manually from the temporary working area for the construction of trunk sewer, sewer and rising main; and upgrading of existing sewer in the villages.
 Certain PMEs will be operated on site for a short period of time for the proposed works tasks. A 20, 30, 50 and 70 percentage on-time has been given accordingly.

Construction Plant Inventory - Unmitigated Scenario
 Work Type 4 - Construction of Tai O STW & Seawall Construction

Unmitigated ▼

Project Specific PME Item	TM Ref./ other Ref	No. of Items	SWL, dB(A)	On-time %	On-time Cor.	Barrier Cor.	Total SWL, dB(A)	Total SWL, dB(A)	Total SWL, dB(A)	Total SWL, dB(A)
Stage 1 - Form part of permanent seawall - by forming rock / Gabion wall										
Tug Boat	CNP 221	1	110	100%	0	0	110.0	-	-	-
Derrick Barge	CNP 061	1	104	100%	0	0	104.0	-	-	-
Total							111.0	0.0	0.0	0.0
Stage 2 - Fill the reclamation to 3mPD										
Tug Boat	CNP 221	1	110	100%	0	0	110.0	-	-	-
Derrick Barge	CNP 061	1	104	100%	0	0	104.0	-	-	-
Generator	CNP 103	1	95	100%	0	0	95.0	-	-	-
Submersible Pump	CNP 283	2	85	100%	0	0	88.0	-	-	-
Total							111.1	0.0	0.0	0.0
Stage 3 - Core boreholes										
Drill Rig	BS D10/2	1	112	100%	0	0	112.0	-	-	-
Generator	CNP 103	1	95	100%	0	0	95.0	-	-	-
Air Compressor	CNP 002	1	102	100%	0	0	102.0	-	-	-
Total							112.5	0.0	0.0	0.0
Stage 4 - 1 - 1: Excavation and Construction of substructures in new reclamation areas										
Tug Boat	CNP 221	1	110	100%	0	0	110.0	110.0	110.0	110.0
Hoist (electric)	CNP 122	1	95	100%	0	0	95.0	95.0	95.0	95.0
Generator	CNP 103	2	95	100%	0	0	98.0	98.0	98.0	98.0
Air Compressor	CNP 002	2	102	100%	0	0	105.0	105.0	105.0	105.0
Stage 4 - 1 - 2: Construct bored piles for above-ground-structures: 350m³ boring in rock										
Piling, large diameter bored, grab and chisel	CNP 164	1	115	100%	0	0	-	115.0	-	115.0
Piling, large diameter bored, oscillator	CNP 165	1	115	100%	0	0	-	115.0	-	115.0
Piling, Crawler crane/chisel/oscillator/RCD	CNP 164	1	115	100%	0	0	-	115.0	-	115.0
Air Compressor	CNP 002	1	102	100%	0	0	-	102.0	-	102.0
Bar Bender and Cutter	CNP 021	1	90	100%	0	0	-	90.0	-	90.0
Stage 4 - 1 - 3: Construct sheet pile walls for excavation of substructure: 625 m³ boring in rock										
Hydraulic Vibratory Driver for driving Sheet Piling	BS D4/12	1	94	100%	0	0	94.0	-	94.0	-
Piling, large diameter bored, grab and chisel	CNP 164	1	115	100%	0	0	115.0	-	115.0	-
Piling, large diameter bored, oscillator	CNP 165	1	115	100%	0	0	115.0	-	115.0	-
Piling, Crawler crane/chisel/oscillator/RCD	CNP 164	1	115	100%	0	0	115.0	-	115.0	-
Air Compressor	CNP 002	1	102	100%	0	0	102.0	-	102.0	-
Stage 4 - 1 - 4: Excavation for substructures: 1000m³ excavation in rock										
Breaker, excavator mounted	CNP 028	1	122	100%	0	0	122.0	122.0	122.0	-
Excavator	CNP 081	1	112	100%	0	0	112.0	112.0	112.0	-
Submersible Pump	CNP 283	2	85	100%	0	0	88.0	88.0	88.0	-
Drill/grinder, hand-held	CNP 065	1	98	100%	0	0	98.0	98.0	98.0	-
Stage 4 - 1 - 5: Construction of Substructures										
Submersible Pump	CNP 283	2	85	100%	0	0	88.0	88.0	-	88.0
Bar Bender and Cutter	CNP 021	1	90	100%	0	0	90.0	90.0	-	90.0
Concrete Pump	CNP 047	2	109	100%	0	0	112.0	112.0	-	112.0
Saw, circular, wood	CNP 201	1	108	100%	0	0	108.0	108.0	-	108.0
Poker, vibratory, hand-held	CNP 170	3	113	100%	0	0	117.8	117.8	-	117.8
Drill/grinder, hand-held	CNP 065	1	98	100%	0	0	98.0	98.0	-	98.0
Stage 4 - 2: Construct Temporary Outfall Chamber through existing seawall and on existing outfall pipes										
Saw, circular, wood	CNP 201	1	108	100%	0	0	108.0	-	-	-
Drill/grinder, hand-held	CNP 065	1	98	100%	0	0	98.0	-	-	-
Total							125.7	125.7	124.6	122.9
Stage 5 - 1: Install Temporary Treatment Installation										
Tug Boat	CNP 221	1	110	100%	0	0	110.0	-	-	-
Hoist (electric)	CNP 122	1	95	100%	0	0	95.0	-	-	-
Generator	CNP 103	1	95	100%	0	0	95.0	-	-	-
Drill/grinder, hand-held	CNP 065	1	98	100%	0	0	98.0	-	-	-
Stage 5 - 2: Construct Temporary Sewage Inlet Pipe from existing Inlet Chamber to Temporary Treatment										
Submersible Pump	CNP 283	1	85	100%	0	0	85.0	-	-	-
Air Compressor	CNP 002	1	102	100%	0	0	102.0	-	-	-
Saw, circular, wood	CNP 201	1	108	100%	0	0	108.0	-	-	-
Stage 5 - 3: Construct Temporary Treated Effluent Outlet Pipe from Temporary Treatment Installation to the Temporary Outfall Chamber										
Submersible Pump	CNP 283	1	85	100%	0	0	85.0	-	-	-
Total							112.8	0.0	0.0	0.0
Stage 6 - 1 - 1: Demolish and remove the Imhoff Tank, pipework, chambers and workshop										
Breaker, excavator mounted	CNP 028	1	122	100%	0	0	122.0	122.0	-	-
Excavator	CNP 081	1	112	100%	0	0	112.0	112.0	-	-
Generator	CNP 103	2	95	100%	0	0	98.0	98.0	-	-
Submersible Pump	CNP 283	2	85	100%	0	0	88.0	88.0	-	-
Stage 6 - 1 - 2: Construct sheet pile walls for excavation of substructure: 850m³ boring in rock										
Hydraulic Vibratory Driver for driving Sheet Piling	BS D4/12	1	94	100%	0	0	94.0	-	-	-
Piling, large diameter bored, grab and chisel	CNP 164	1	115	100%	0	0	115.0	-	-	-
Piling, large diameter bored, oscillator	CNP 165	1	115	100%	0	0	115.0	-	-	-
Piling, Crawler crane/chisel/oscillator/RCD	CNP 164	1	115	100%	0	0	115.0	-	-	-
Air Compressor	CNP 002	1	102	100%	0	0	102.0	-	-	-
Stage 6 - 1 - 3: Excavation for substructures: 1000m³ excavation in reinforced concrete (by saw-cut) and rock										
Saw/croover, concrete (petrol)	CNP 203	2	115	100%	0	0	-	118.0	-	-
Total							124.3	123.8	0.0	0.0
Stage 7 - 1: Construct the new Preliminary Treatment										
Submersible Pump	CNP 283	2	85	100%	0	0	88.0	-	-	-
Bar Bender and Cutter	CNP 021	1	90	100%	0	0	90.0	-	-	-
Saw, circular, wood	CNP 201	1	108	100%	0	0	108.0	-	-	-
Drill/grinder, hand-held	CNP 065	1	98	100%	0	0	98.0	-	-	-
Stage 7 - 2: Construct the superstructures of MBR, Pump House and Header Tank, Sludge Thickening Tanks, Sludge Pump House, Air Blower, Sludge Digestors, Sludge Holding Tanks, Dangerous Goods Store, Fire Pump Room and Workshop										
Tug Boat	CNP 221	1	110	100%	0	0	110.0	110.0	-	-
Hoist (electric)	CNP 122	1	95	100%	0	0	95.0	95.0	-	-
Generator	CNP 103	2	95	100%	0	0	98.0	98.0	-	-
Air Compressor	CNP 002	2	102	100%	0	0	105.0	105.0	-	-
Bar Bender and Cutter	CNP 021	1	90	100%	0	0	90.0	90.0	-	-
Concrete Pump	CNP 047	2	109	100%	0	0	112.0	112.0	-	-
Saw, circular, wood	CNP 201	1	108	100%	0	0	108.0	108.0	-	-
Poker, vibratory, hand-held	CNP 170	2	113	100%	0	0	116.0	116.0	-	-
Drill/grinder, hand-held	CNP 065	1	98	100%	0	0	98.0	98.0	-	-
Total							119.2	118.9	0.0	0.0
Stage 8 - 1: Installation of major E&M equipments										
Hoist (electric)	CNP 122	1	95	100%	0	0	95.0	-	-	-
Generator	CNP 103	2	95	100%	0	0	98.0	-	-	-
Air Compressor	CNP 002	1	102	100%	0	0	102.0	-	-	-
Saw, circular, wood	CNP 201	1	108	100%	0	0	108.0	-	-	-
Drill/grinder, hand-held	CNP 065	1	98	100%	0	0	98.0	-	-	-
Winch (electric)	CNP 262	1	95	100%	0	0	95.0	-	-	-
Stage 8 - 3: Construct pipelines within the STW site and install a temporary pipeline										
Poker, vibratory, hand-held	CNP 170	1	113	100%	0	0	113.0	-	-	-
Total							114.7	0.0	0.0	0.0
Stage 9 - Remove Temporary Treatment Units and construct the new Sludge Dewatering House										
Tug Boat	CNP 221	1	110	100%	0	0	110.0	-	-	-
Generator	CNP 103	1	95	100%	0	0	95.0	-	-	-
Air Compressor	CNP 002	1	102	100%	0	0	102.0	-	-	-
Bar Bender and Cutter	CNP 021	1	90	100%	0	0	90.0	-	-	-
Concrete Pump	CNP 047	2	109	100%	0	0	112.0	-	-	-
Saw, circular, wood	CNP 201	1	108	100%	0	0	108.0	-	-	-
Poker, vibratory, hand-held	CNP 170	2	113	100%	0	0	116.0	-	-	-
Drill/grinder, hand-held	CNP 065	1	98	100%	0	0	98.0	-	-	-
Total							118.7	0.0	0.0	0.0
Stage 10 - Installation of ancillary equipments and remove temporary platform										
Hoist (electric)	CNP 122	1	95	100%	0	0	95.0	-	-	-
Generator	CNP 103	1	95	100%	0	0	95.0	-	-	-
Air Compressor	CNP 002	1	102	100%	0	0	102.0	-	-	-
Saw, circular, wood	CNP 201	1	108	100%	0	0	108.0	-	-	-
Drill/grinder, hand-held	CNP 065	1	98	100%	0	0	98.0	-	-	-
Winch (electric)	CNP 262	1	95	100%	0	0	95.0	-	-	-
Total							109.8	0.0	0.0	0.0
Construction of the remaining permanent seawall										
Tug Boat	CNP 221	1	110	100%	0	0	110.0	-	-	-
Derrick Barge	CNP 061	1	104	100%	0	0	104.0	-	-	-
Total							111.0	0.0	0.0	0.0
Laying of submarine outfall										
Tug Boat	CNP 221	1	110	100%	0	0	110.0	-	-	-
Dredger, grab	CNP 063	1	112	100%	0	0	112.0	-	-	-
Derrick Barge	CNP 061	1	104	100%	0	0	104.0	-	-	-
Total							114.5	0.0	0.0	0.0

Max Noise Level
125.7

Remarks:
 Due to space constraint, concrete will be delivered manually from the temporary working area for the construction of trunk sewer, sewer and rising main; and upgrading of existing sewer in the villages.
 Certain PMEs will be operated on site for a short period of time for the proposed works tasks. A 10, 20, 30, 60, 70 and 80 percentage on-time has been given accordingly.

Construction Plant Inventory - Unmitigated Scenario

Work Type 5 - Construction of Hang Mei Sewerage Pumping Station

Unmitigated ▼

Project Specific PME Item	TM Ref./ other Ref	No. of Items	SWL, dB(A)	On-time %	On-time Cor.	Barrier Cor.	Total SWL, dB(A)	Total SWL, dB(A)	Total SWL, dB(A)
Stage 1 - Site Clearance									
Backhoe (mini)	CNP 082	1	94	100%	0	0	94.0	-	-
Total							94.0	0.0	0.0
Stage 2 - Piling									
Hydraulic Vibratory Driver for driving Sheet Piling	BS D4/12	1	94	100%	0	0	94.0	-	-
Crane, mobile mounted - 2	CNP 122	1	95	70%	-2	0	93.5	-	-
Generator	CNP 103	1	95	100%	0	0	95.0	-	-
Total							99.0	0.0	0.0
Stage 3 - Excavation									
Breaker, excavator mounted	CNP 028	1	122	100%	0	0	122.0	-	-
Excavator	CNP 081	1	112	100%	0	0	-	112.0	-
Generator	CNP 103	1	95	100%	0	0	-	95.0	95.0
Dumper	CNP 066	1	106	100%	0	0	-	-	106.0
Crane, mobile mounted - 2	CNP 122	1	95	70%	-2	0	-	93.5	93.5
Submersible Pump	CNP 283	1	85	100%	0	0	-	85.0	85.0
Welding Machine	*AEIAR 052/2002	1	78	60%	-2	0	-	75.8	-
Total							122.0	112.2	106.6
Stage 4 - Steel fixing and concreting for structure									
Bar Bender and Cutter	CNP 021	1	90	30%	-5	0	84.8	-	-
Concrete Pump	CNP 047	1	109	100%	0	0	-	109.0	-
Saw, circular, wood	CNP 201	1	108	100%	0	0	108.0	-	-
Poker, vibratory, hand-held	CNP 170	1	113	100%	0	0	-	113.0	-
Generator	CNP 103	1	95	100%	0	0	95.0	95.0	-
Total							108.2	114.5	0.0
Stage 5 - Backfilling and Soil Compaction									
Vibratory Compactor	CNP 055	1	105	100%	0	0	105.0	-	-
Backhoe (mini)	CNP 082	1	94	100%	0	0	94.0	-	-
Total							105.3	0.0	0.0
Stage 6 - Installation of E&M equipments									
Crane, mobile mounted	CNP 048	1	112	100%	0	0	112.0	-	-
Generator	CNP 103	1	95	100%	0	0	95.0	-	-
Winch (electric)	CNP 262	1	95	100%	0	0	95.0	-	-
Drill/grinder, hand-held	CNP 065	1	98	100%	0	0	98.0	-	-
Total							112.3	0.0	0.0

Max Noise Level
122.0

Remarks:

*EPD - Details extracted from EPD website: http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf
 AEIAR-052/2002: Noise level of PME extracted from the Approved EIA Report in the Register: AEIAR-052/2002

Due to space constraint, concrete will be delivered manually from the temporary working area for the construction of trunk sewer, sewer and rising main; and upgrading of existing sewer in the villages.
 Certain PMEs will be operated on site for a short period of time for the proposed works tasks. A 30 and 60 percentage on-time has been given accordingly.

Construction Plant Inventory - Unmitigated Scenario

Work Type 6 - Construction of Fan Kwai Tong Sewerage Pumping Station

Unmitigated

Project Specific PME Item	TM Ref./ other Ref	No. of Items	SWL, dB(A)	On-time %	On-time Cor.	Barrier Cor.	Total SWL, dB(A)	Total SWL, dB(A)	Total SWL, dB(A)
Stage 1 - Site Clearance									
Backhoe (mini)	CNP 082	1	94	100%	0	0	94.0	-	-
Total							94.0	0.0	0.0
Stage 2 - Piling									
Hydraulic Vibratory Driver for driving Sheet Piling	BS D4/12	1	94	100%	0	0	94.0	-	-
Crane, mobile mounted - 2	CNP 122	1	95	70%	-2	0	93.5	-	-
Generator	CNP 103	1	95	100%	0	0	95.0	-	-
Total							99.0	0.0	0.0
Stage 3 - Excavation									
Breaker, excavator mounted	CNP 028	1	122	100%	0	0	122.0	-	-
Excavator	CNP 081	1	112	100%	0	0	-	112.0	-
Generator	CNP 103	1	95	100%	0	0	-	95.0	95.0
Dumper	CNP 066	1	106	100%	0	0	-	-	106.0
Crane, mobile mounted - 2	CNP 122	1	95	70%	-2	0	-	93.5	93.5
Submersible Pump	CNP 283	1	85	100%	0	0	-	85.0	85.0
Welding Machine	*AEIAR 052/2002	1	78	60%	-2	0	-	75.8	-
Total							122.0	112.2	106.6
Stage 4 - Steel fixing and concreting for structure									
Bar Bender and Cutter	CNP 021	1	90	30%	-5	0	84.8	-	-
Concrete Pump	CNP 047	1	109	100%	0	0	-	109.0	-
Saw, circular, wood	CNP 201	1	108	100%	0	0	108.0	-	-
Poker, vibratory, hand-held	CNP 170	1	113	100%	0	0	-	113.0	-
Generator	CNP 103	1	95	100%	0	0	95.0	95.0	-
Total							108.2	114.5	0.0
Stage 5 - Backfilling and Soil Compaction									
Vibratory Compactor	CNP 055	1	105	100%	0	0	105.0	-	-
Backhoe (mini)	CNP 082	1	94	100%	0	0	94.0	-	-
Total							105.3	0.0	0.0
Stage 6 - Installation of E&M equipments									
Crane, mobile mounted	CNP 048	1	112	100%	0	0	112.0	-	-
Generator	CNP 103	1	95	100%	0	0	95.0	-	-
Winch (electric)	CNP 262	1	95	100%	0	0	95.0	-	-
Drill/grinder, hand-held	CNP 065	1	98	100%	0	0	98.0	-	-
Total							112.3	0.0	0.0

Max Noise Level
122.0

Remarks:

*EPD - Details extracted from EPD website: http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

AEIAR-052/2002: Noise level of PME extracted from the Approved EIA Report in the Register: AEIAR-052/2002

Due to space constraint, concrete will be delivered manually from the temporary working area for the construction of trunk sewer, sewer and rising main; and upgrading of existing sewer in the villages.

Certain PMEs will be operated on site for a short period of time for the proposed works tasks. A 30 and 60 percentage on-time has been given accordingly.

Construction Plant Inventory - Unmitigated Scenario
 Work Type 7 - Temporary Workings Area

Unmitigated ▼

Project Specific PME Item	TM Ref./ other Ref	No. of Items	SWL, dB(A)	On-time %	On-time Cor.	Barrier Cor.	Total SWL, dB(A)	Total SWL, dB(A)
Stage 1 - Site Clearance								
Backhoe (mini)	CNP 082	1	94	100%	0	0	94.0	-
Total							94.0	0.0
Stage 2 - Operation of concrete mixer								
Concrete mixer (petrol)	CNP 046	1	96	100%	0	0	96.0	-
Total							96.0	0.0

Max Noise Level
96.0