

**Appendix 4.3 - Construction Plant Inventory (Unmitigated Scenario)**  
**Airport Tung Chung Link Project Environmental Impact Assessment**

**Construction Plant Inventory (Construction Works Area A)**

Activity ID	Description of Activity	PME			No. of PME
		Group	Description	TM or other ref.	
A1	Site Establishment	A1.A	Excavator/loader, wheeled/tracked	CNP 081	1
			Crane, mobile/barge mounted (diesel)	CNP 048	1
			Generator, standard	CNP 101	1
			Breaker, excavator mounted (hydraulic)	CNP 028	1
			Piling, vibrating hammer	EPD <sup>[1]</sup>	1
			Dump truck , 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[1]</sup>	1
			Concrete pump, stationary/lorry mounted	CNP 047	1
			Concrete lorry mixer	CNP 044	1
			Poker, vibratory, hand-held	CNP 170	1
			Asphalt paver	CNP 004	1
			Roller, vibratory	CNP 186	1
			Water pump (electric)	CNP 281	1

Notes:

[1]: The SWL is referenced to EPD website: [https://www.epd.gov.hk/epd/sites/default/files/epd/english/application\\_for\\_licences/guidance/files/OtherSWLe.pdf](https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)

[2]: The construction works areas are shown in Figure 4.3.

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**Construction Plant Inventory (Construction Works Area B)**

Activity ID	Description of Activity	PME			No. of PME
		Group <sup>[1]</sup>	Description	TM or other ref.	
B1	Site Establishment	B1.A	Excavator/loader, wheeled/tracked	CNP 081	2
			Crane, mobile/barge mounted (diesel)	CNP 048	1
			Generator, standard	CNP 101	1
			Breaker, excavator mounted (hydraulic)	CNP 028	1
			Piling, vibrating hammer	EPD <sup>[2]</sup>	1
			Dump truck, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>	1
			Water pump (electric)	CNP 281	1
B2	Substructure	B2.A	Piling, large diameter bored, grab and chisel	CNP 164	1
			Air Compressor, air flow > 10m <sup>3</sup> /min and < 30m <sup>3</sup> /min	CNP 002	1
			Crane, mobile/barge mounted (diesel)	CNP 048	1
			Generator, standard	CNP 101	1
			Lorry, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>	1
			Excavator/loader, wheeled/tracked	CNP 081	2
			Water pump (electric)	CNP 281	2
		B2.B	Piling, large diameter bored, oscillator	CNP 165	1
			Air Compressor, air flow > 10m <sup>3</sup> /min and < 30m <sup>3</sup> /min	CNP 002	1
			Crane, mobile/barge mounted (diesel)	CNP 048	1
			Generator, standard	CNP 101	1
			Lorry, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>	1
			Excavator/loader, wheeled/tracked	CNP 081	2
			Water pump (electric)	CNP 281	2
		B2.C	Piling, large diameter bored, reverse circulation drill	CNP 166	1
			Air Compressor, air flow > 10m <sup>3</sup> /min and < 30m <sup>3</sup> /min	CNP 002	1
			Crane, mobile/barge mounted (diesel)	CNP 048	1
			Generator, standard	CNP 101	1
			Lorry, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>	1
			Excavator/loader, wheeled/tracked	CNP 081	2
			Water pump (electric)	CNP 281	2
		B2.D	Crane, mobile/barge mounted (diesel)	CNP 048	1
			Generator, standard	CNP 101	1
			Concrete pump, stationary/lorry mounted	CNP 047	1
			Concrete lorry mixer	CNP 044	2
			Poker, vibratory, hand-held	CNP 170	2
			Bar bender and cutter (electric)	CNP 021	1
			Excavator/loader, wheeled/tracked	CNP 081	2
Lorry, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>		1		
B3	Superstructure	B3.A	Water pump (electric)	CNP 281	2
			Crane, mobile/barge mounted (diesel)	CNP 048	1
			Generator, standard	CNP 101	2
			Concrete pump, stationary/lorry mounted	CNP 047	1
			Concrete lorry mixer	CNP 044	1
			Poker, vibratory, hand-held	CNP 170	2
			Lorry, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>	1
			Excavator/loader, wheeled/tracked	CNP 081	2
			Bar bender and cutter (electric)	CNP 021	1
			Asphalt paver	CNP 004	1
			Roller, vibratory	CNP 186	1
B4	Building Service and Finishes	B4.A	Generator, standard	CNP 101	1
			Cherry picker	Ref: AEIAR-173/2013 <sup>[3]</sup>	2

Notes:

[1]: PMEs in each works group under same activity would not take place with others at the same time.

[2]: The SWL is referenced to EPD website: [https://www.epd.gov.hk/epd/sites/default/files/epd/english/application\\_for\\_licences/guidance/files/OtherSWLe.pdf](https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)

[3]: The SWL of the PME is referenced to the EIA report of the Tseung Kwan O – Lam Tin Tunnel and Associated Works (Register No. AEIAR-173/2013).

[4]: The construction works areas are shown in Figure 4.3.

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**Construction Plant Inventory (Construction Works Area C)**

Activity ID	Description of Activity	PME			No. of PME
		Group <sup>[1]</sup>	Description	TM or other ref.	
C1	Site Establishment	C1.A	Excavator/loader, wheeled/tracked	CNP 081	1
			Dump truck, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>	1
			Piling, vibrating hammer	EPD <sup>[2]</sup>	1
			Breaker, excavator mounted (hydraulic)	CNP 028	1
			Generator, standard	CNP 101	1
C2	Substructure	C2.A	Piling, large diameter bored, grab and chisel	CNP 164	1
			Air Compressor, air flow > 10m <sup>3</sup> /min and < 30m <sup>3</sup> /min	CNP 002	1
			Lorry, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>	1
			Excavator/loader, wheeled/tracked	CNP 081	1
			Crane, mobile/barge mounted (diesel)	CNP 048	1
			Generator, standard	CNP 101	1
		Water pump (electric)	CNP 281	2	
		C2.B	Piling, large diameter bored, oscillator	CNP 165	1
			Air Compressor, air flow > 10m <sup>3</sup> /min and < 30m <sup>3</sup> /min	CNP 002	1
			Lorry, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>	1
			Excavator/loader, wheeled/tracked	CNP 081	1
			Crane, mobile/barge mounted (diesel)	CNP 048	1
			Generator, standard	CNP 101	1
		Water pump (electric)	CNP 281	2	
		C2.C	Piling, large diameter bored, reverse circulation drill	CNP 166	1
			Air Compressor, air flow > 10m <sup>3</sup> /min and < 30m <sup>3</sup> /min	CNP 002	1
			Lorry, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>	1
			Excavator/loader, wheeled/tracked	CNP 081	1
			Crane, mobile/barge mounted (diesel)	CNP 048	1
			Generator, standard	CNP 101	1
		Water pump (electric)	CNP 281	2	
		C2.D	Crane, mobile/barge mounted (diesel)	CNP 048	1
			Lorry, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD	1
			Excavator/loader, wheeled/tracked	CNP 081	2
			Generator, standard	CNP 101	1
			Water pump (electric)	CNP 281	2
			Concrete pump, stationary/lorry mounted	CNP 047	1
			Bar bender and cutter (electric)	CNP 021	1
			Poker, vibratory, hand-held	CNP 170	2
		Concrete lorry mixer	CNP 044	2	
C3	Superstructure	C3.A	Crane, mobile/barge mounted (diesel)	CNP 048	1
			Winch (petrol)	CNP 263	1
		C3.B	Crane, mobile/barge mounted (diesel)	CNP 048	1
			Winch (electric)	CNP 262	1
			Generator, standard	CNP 101	2
		C3.C	Lorry, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>	1
			Excavator/loader, wheeled/tracked	CNP 081	2
			Concrete pump, stationary/lorry mounted	CNP 047	1
			Concrete lorry mixer	CNP 044	1
		C3.D	Poker, vibratory, hand-held	CNP 170	2
			Generator, standard	CNP 101	2
			Generator, standard	CNP 101	2
		C3.E	Bar bender and cutter (electric)	CNP 021	1
			Asphalt paver	CNP 004	1
				Roller, vibratory	CNP 186

**Notes:**

[1]: PMEs in each works group under same activity would not take place with others at the same time.

[2]: The SWL is referenced to EPD website: [https://www.epd.gov.hk/epd/sites/default/files/epd/english/application\\_for\\_licences/guidance/files/OtherSWL.e.pdf](https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWL.e.pdf)

[3]: The construction works areas are shown in Figure 4.3.

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**Construction Plant Inventory (Construction Works Area D)**

Activity ID	Description of Activity	PME			No. of PME
		Group <sup>[1]</sup>	Description	TM or other ref.	
D1	Site Establishment	D1.A	Excavator/loader, wheeled/tracked	CNP 081	1
			Dump truck , 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>	1
			Piling, vibrating hammer	EPD <sup>[2]</sup>	1
			Breaker, excavator mounted (hydraulic)	CNP 028	1
			Generator, standard	CNP 101	1
D2	Substructure	D2.A	Piling, large diameter bored, grab and chisel	CNP 164	1
			Air Compressor, air flow > 10m <sup>3</sup> /min and < 30m <sup>3</sup> /min	CNP 002	1
			Lorry, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>	1
			Excavator/loader, wheeled/tracked	CNP 081	1
			Crane, mobile/barge mounted (diesel)	CNP 048	1
			Generator, standard	CNP 101	1
		Water pump (electric)	CNP 281	2	
		D2.B	Piling, large diameter bored, oscillator	CNP 165	1
			Air Compressor, air flow > 10m <sup>3</sup> /min and < 30m <sup>3</sup> /min	CNP 002	1
			Lorry, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>	1
			Excavator/loader, wheeled/tracked	CNP 081	1
			Crane, mobile/barge mounted (diesel)	CNP 048	1
			Generator, standard	CNP 101	1
		Water pump (electric)	CNP 281	2	
		D2.C	Piling, large diameter bored, reverse circulation drill	CNP 166	1
			Air Compressor, air flow > 10m <sup>3</sup> /min and < 30m <sup>3</sup> /min	CNP 002	1
			Lorry, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>	1
			Excavator/loader, wheeled/tracked	CNP 081	1
			Crane, mobile/barge mounted (diesel)	CNP 048	1
			Generator, standard	CNP 101	1
		Water pump (electric)	CNP 281	2	
		D2.D	Crane, mobile/barge mounted (diesel)	CNP 048	1
			Lorry, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>	1
			Excavator/loader, wheeled/tracked	CNP 081	2
			Generator, standard	CNP 101	1
			Water pump (electric)	CNP 281	2
			Concrete pump, stationary/lorry mounted	CNP 047	1
			Bar bender and cutter (electric)	CNP 021	1
			Poker, vibratory, hand-held	CNP 170	2
		Concrete lorry mixer	CNP 044	2	
D3	Superstructure	D3.A	Crane, mobile/barge mounted (diesel)	CNP 048	1
			Winch (petrol)	CNP 263	1
		D3.B	Crane, mobile/barge mounted (diesel)	CNP 048	1
			Winch (electric)	CNP 262	1
			Generator, standard	CNP 101	2
			Lorry, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>	1
		D3.C	Excavator/loader, wheeled/tracked	CNP 081	2
			Concrete pump, stationary/lorry mounted	CNP 047	1
			Concrete lorry mixer	CNP 044	1
			Poker, vibratory, hand-held	CNP 170	2
			Generator, standard	CNP 101	2
		D3.D	Generator, standard	CNP 101	2
			Bar bender and cutter (electric)	CNP 021	1
		D3.E	Asphalt paver	CNP 004	1
			Roller, vibratory	CNP 186	1

**Notes:**

[1]: PMEs in each works group under same activity would not take place with others at the same time.

[2]: The SWL is referenced to EPD website: [https://www.epd.gov.hk/epd/sites/default/files/epd/english/application\\_for\\_licences/guidance/files/OtherSWLe.pdf](https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)

[3]: The construction works areas are shown in Figure 4.3.

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**Construction Plant Inventory (Construction Works Area E)**

Activity ID	Description of Activity	PME			No. of PME
		Group <sup>[1]</sup>	Description	TM or other ref.	
E1	Site Establishment	E1.A	Excavator/loader, wheeled/tracked	CNP 081	1
			Generator, standard	CNP 101	1
			Dump truck, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>	1
			Piling, vibrating hammer	EPD <sup>[2]</sup>	1
			Breaker, excavator mounted (hydraulic)	CNP 028	1
E2	Substructure	E2.A	Piling, large diameter bored, reverse circulation drill	CNP 166	1
			Piling, large diameter bored, oscillator	CNP 165	1
			Air Compressor, air flow > 10m <sup>3</sup> /min and < 30m <sup>3</sup> /min	CNP 002	1
			Crane, mobile/barge mounted (diesel)	CNP 048	1
			Generator, standard	CNP 101	1
			Piling, large diameter bored, grab and chisel	CNP 164	1
			Lorry, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>	1
			Concrete pump, stationary/lorry mounted	CNP 047	1
			Concrete lorry mixer	CNP 044	2
			Bar bender and cutter (electric)	CNP 021	1
			Excavator/loader, wheeled/tracked	CNP 081	1
			Water pump (electric)	CNP 281	2
			Poker, vibratory, hand-held	CNP 170	2
E3	Superstructure	E3.A	Crane, mobile/barge mounted (diesel)	CNP 048	1
			Winch (petrol)	CNP 263	1
			Winch (electric)	CNP 262	1
			Generator, standard	CNP 101	2
			Concrete pump, stationary/lorry mounted	CNP 047	1
			Concrete lorry mixer	CNP 044	1
			Lorry, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>	1
			Poker, vibratory, hand-held	CNP 170	2
			Excavator/loader, wheeled/tracked	CNP 081	2
			Bar bender and cutter (electric)	CNP 021	1
			Asphalt paver	CNP 004	1
Roller, vibratory	CNP 186	1			
E4	Landscape Softworks and Cycle Track	E4.A	Excavator/loader, wheeled/tracked	CNP 081	1
			Lorry, 5.5 tonne < gross vehicle weight ≤ 38 tonne	EPD <sup>[2]</sup>	1
			Generator, standard	CNP 101	1
			Compactor, vibratory	CNP 050	1

**Notes:**

[1]: PMEs in each works group under same activity would not take place with others at the same time.

[2]: The SWL is referenced to EPD website: [https://www.epd.gov.hk/epd/sites/default/files/epd/english/application\\_for\\_licences/guidance/files/OtherSWLe.pdf](https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)

[3]: The construction works areas are shown in Figure 4.3.

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**Construction Plant Inventory (Construction Works Area F)**

Activity ID	Description of Activity	PME			No. of PME	
		Group <sup>[1]</sup>	Description	TM or other ref.		
F1	Substructure	F1.A	Piling, large diameter bored, reverse circulation drill	CNP 166	1	
			Air Compressor, air flow > 10m <sup>3</sup> /min and < 30m <sup>3</sup> /min	CNP 002	1	
			Crane, mobile/barge mounted (diesel)	CNP 048	1	
			Excavator, wheeled/tracked	CNP 081	1	
			Generator, standard	CNP 101	2	
			Derrick barge	CNP 061	1	
			Tug boat	CNP 221	1	
			Water pump, submersible (electric)	CNP 283	2	
		F1.B	Piling, large diameter bored, oscillator	CNP 165	1	
			Air Compressor, air flow > 10m <sup>3</sup> /min and < 30m <sup>3</sup> /min	CNP 002	1	
			Crane, mobile/barge mounted (diesel)	CNP 048	1	
			Excavator, wheeled/tracked	CNP 081	1	
			Generator, standard	CNP 101	2	
			Derrick barge	CNP 061	1	
			Tug boat	CNP 221	1	
			Water pump, submersible (electric)	CNP 283	2	
		F1.C	Piling, large diameter bored, grab and chisel	CNP 164	1	
			Air Compressor, air flow > 10m <sup>3</sup> /min and < 30m <sup>3</sup> /min	CNP 002	1	
			Crane, mobile/barge mounted (diesel)	CNP 048	1	
			Excavator, wheeled/tracked	CNP 081	1	
			Generator, standard	CNP 101	2	
			Derrick barge	CNP 061	1	
			Tug boat	CNP 221	1	
			Water pump, submersible (electric)	CNP 283	2	
		F1.D	Crane, mobile/barge mounted (diesel)	CNP 048	1	
			Excavator/loader, wheeled/tracked	CNP 081	1	
			Generator, standard	CNP 101	2	
			Water pump, submersible (electric)	CNP 283	2	
Concrete pump, stationary/lorry mounted	CNP 047		1			
Concrete lorry mixer	CNP 044		1			
Poker, vibratory, hand-held	CNP 170		1			
Bar bender and cutter (electric)	CNP 021		1			
Derrick barge	CNP 061		1			
Tug boat	CNP 221		1			
F2	Superstructure		F2.A	Crane, mobile/barge mounted (diesel)	CNP 048	1
				Derrick barge	CNP 061	1
		Tug boat		CNP 221	1	
		Winch (petrol)		CNP 263	1	
		Winch (pneumatic)		CNP 261	1	
		Generator, standard		CNP 101	2	
		Concrete pump, stationary/lorry mounted		CNP 047	1	
		Concrete lorry mixer		CNP 044	1	
		Poker, vibratory, hand-held		CNP 170	2	
		Excavator/loader, wheeled/tracked		CNP 081	2	
		Bar bender and cutter (electric)		CNP 021	1	
		Asphalt paver		CNP 004	1	
		Roller, vibratory		CNP 186	1	

**Notes:**

[1]: PMEs in each works group under same activity would not take place with others at the same time.

[2]: The construction works areas are shown in Figure 4.3.