Construction Plant Inventory (Construction Works Area A)

A adia situs ID	December of Activity	PME		No. of PME	
Activity ID	Description of Activity	Group	Description	TM or other ref.	NO. OF PINE
			Excavator, wheeled/tracked	EPD-12254	1
			Crane, mobile	EPD-10143	1
			Generator	EPD-12349	1
			Hydraulic Concrete Crusher	EPD [1]	1
			Press-in piling	EPD [1]	1
			Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	EPD [2]	1
		A1.A	Concrete Pump	Ref: AEIAR-	1
A1	Site Establishment			173/2013 ^[3]	
			Concrete Lorry Mixer	Ref: AEIAR-	1
				173/2013 ^[3]	
			Asphalt Paver	Ref: AEIAR-	1
				173/2013 ^[3]	
			Dellar vikreten.	Ref: AEIAR-	4
			Roller, vibratory	173/2013 ^[3]	1
			Water pump (electric)	CNP 281	1

Notes

^{[1]:} The SWL is converted from SPL by distance attenuation in point source, and the SPL at 7m from the equipment is referenced to EPD website: https://www.epd.gov.hk/epd/misc/construction_noise/contents/index.php/en/home2/quieter-construction-methods.html.

^{[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

^{[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.

Construction Plant Inventory (Construction Works Area B)

Activity ID	Description of Activity	PME			No. of PM
		Group [1]	Description	TM or other ref.	NO. OI FIVI
			Excavator, wheeled/tracked	EPD-12254	2
			Crane, mobile	EPD-10143	1
			Generator	EPD-12349	1
B1	Site Establishment	B1.A	Hydraulic Concrete Crusher	EPD [2]	1
			Press-in piling	EPD [2]	1
			Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	EPD [3]	1
			Water pump (electric)	CNP 281	1
		+	Piling, large diameter bored, grab and chisel	CNP 164	1
			Air Compressor	EPD-11726	1
			Crane, mobile	EPD-10143	1
			Generator	EPD-12349	1
		B2.A		Ref: AEIAR-	
			Lorry (24t)	173/2013 [4]	1
			Excavator, wheeled/tracked	EPD-12254	2
			Water pump (electric)	CNP 281	2
			Piling, large diameter bored, oscillator	CNP 165	1
			Air Compressor	EPD-11726	1
			Crane, mobile	EPD-10143	1
			Generator	EPD-12349	1
		B2.B		Ref: AEIAR-	
			Lorry (24t)	173/2013 [4]	1
			Excavator, wheeled/tracked	EPD-12254	2
			Water pump (electric)	CNP 281	2
			Piling, large diameter bored, reverse circulation drill	CNP 166	1
B2	Substructure		Air Compressor	EPD-11726	1
D2	Substructure		Crane, mobile	EPD-10143	1
			Generator	EPD-12349	1
		B2.C		Ref: AEIAR-	1
			Lorry (24t)	173/2013 [4]	1
			Excavator, wheeled/tracked	EPD-12254	2
			Water pump (electric)	CNP 281	2
			Crane, mobile	EPD-10143	1
			Generator	EPD-12349	1
			Contractor	Ref: AEIAR-	<u> </u>
			Concrete Pump	173/2013 ^[4]	1
				Ref: AEIAR-	1
		B2.D	Concrete Lorry Mixer	173/2013 ^[4]	2
		B2.D	Bar bender and cutter (electric)	CNP 021	1
			Excavator, wheeled/tracked	EPD-12254	2
			Excavator, wheeled/tracked	Ref: AEIAR-	2
			Lorry (24t)	173/2013 ^[4]	1
			Matau musan (ala atria)		
			Water pump (electric)	CNP 281	2
			Crane, mobile	EPD-10143 EPD-12349	1
			Generator		2
В3			Concrete Pump	Ref: AEIAR-	1
				173/2013 ^[4]	1
			Concrete Lorry Mixer	Ref: AEIAR-	1
			Consider Early Himsel	173/2013 [4]	<u> </u>
	Superstructure	B3.A	Lorry (24t)	Ref: AEIAR-	1
		1		173/2013 [4]	
			Excavator, wheeled/tracked	EPD-12254	2
			Bar bender and cutter (electric)	CNP 021	1
			Asphalt Paver	Ref: AEIAR-	1
			, topical i divol	173/2013 ^[4]	<u> </u>
			Pollor vibratory	Ref: AEIAR-	4
			Roller, vibratory	173/2013 ^[4]	1
Ī		i e	Generator	EPD-12349	1
B4	Building Service and Finishes	B4.A		Ref: AEIAR-	
	Danding Service and Finishes	54.5	Cherry picker	173/2013 [4]	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 converted from SPL by distance attenuation in point source, and the SPL at 7m from the equipment is referenced to EPD website:
- https://www.epd.gov.hk/epd/misc/construction_noise/contents/index.php/en/home2/quieter-construction-methods.html.
- $[3]: The \ SWL \ is \ referenced \ to \ EPD \ website: \ https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf$
- [4]: 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).
- [5]: The construction works areas are shown in Figure 4.3.

Construction Plant Inventory (Construction Works Area C)

			PME			
Activity ID	Description of Activity	Group [1]	Description	TM or other ref.	No. of PME	
		J. 5. 5. 5	Excavator, wheeled/tracked	EPD-12254	1	
			Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	EPD [3]		
C1	Site Establishment	C1.A	Hydraulic Concrete Crusher	EPD ^[2]		
•	0.10 _0.10.11.10.11.	0	Press-in piling	EPD [2]		
			Generator	EPD-12349		
				CNP 164		
			Piling, large diameter bored, grab and chisel Air Compressor	EPD-11726		
			All Compressor	Ref: AEIAR-	<u>'</u>	
			Lorry (24t)	173/2013 ^[4]	1	
		C2.A	Excavator, wheeled/tracked	EPD-12254	1	
			Crane, mobile			
			Generator			
			Water pump (electric)	CNP 281		
		-	Piling, large diameter bored, oscillator			
			Air Compressor			
			All Compressor		 '	
			Lorry (24t)		EPD-10143 1 EPD-12349 1 CNP 281 2 CNP 165 1 EPD-11726 1 EPD-11726 1 EPD-11726 1 EPD-10143 1 EPD-10143 1 EPD-10143 1 EPD-12349 1 CNP 281 2 CNP 166 1 EPD-11726 1 EPD-10143 1 EPD-11726 1 EPD-10143 1 EPD-10143 1 EPD-10143 1 EPD-10143 1 EPD-10143 1 EPD-12349 1 CNP 281 2 EPD-12349 1	
		C2.B	Excavator, wheeled/tracked		1	
			Crane, mobile	EPD-12254 EPD-10143		
			Generator			
			Water pump (electric)			
		-	Piling, large diameter bored, reverse circulation drill			
C2	Substructure		Air Compressor			
C2	Substructure		All Compressor		<u>'</u>	
			Lorry (24t)		1	
		C2.C	Excavator, wheeled/tracked		1	
			Crane, mobile		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
			Generator			
			Water pump (electric)			
			Crane, mobile			
			Clarie, mobile		<u>'</u>	
			Lorry (24t)		1	
			Excavator, wheeled/tracked		,	
			Generator			
		C2.D	Water pump (electric)			
		G2.D	Water purify (electric)		2	
			Concrete Pump	173/2013 ^[4]	1	
			Bar bender and cutter (electric)	CNP 021	1	
			bai berider and cutter (electric)	Ref: AEIAR-	<u> </u>	
			Concrete Lorry Mixer		2	
<u> </u>			Crana mahila	173/2013 ^[4] EPD-10143	4	
		C3.A	Crane, mobile	CNP 263		
			Winch (petrol)	EPD-10143		
			Crane, mobile	CNP 262		
			Winch (electric)	EPD-12349		
		C3.B	Generator	Ref: AEIAR-	2	
С3			Lorry (24t)	-	1	
			Evenington who allow the d	173/2013 ^[4] EPD-12254		
			Excavator, wheeled/tracked		2	
	_		Concrete Pump	Ref: AEIAR-	1	
	Superstructure		·	173/2013 ^[4]	1	
		C3.C	Concrete Lorry Mixer	Ref: AEIAR-	1	
			•	173/2013 ^[4]		
			Generator	EPD-12349		
		C3.D	Generator	EPD-12349		
			Bar bender and cutter (electric)	CNP 021	1	
			Asphalt Paver	Ref: AEIAR-	1	
		C3.E	Aspnait Paver	173/2013 ^[4]	<u>'</u>	
		J	Poller vibratory	Ref: AEIAR-	1	
			I	Roller, vibratory	173/2013 [4]	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 converted from SPL by distance attenuation in point source, and the SPL at 7m from the equipment is referenced to EPD website: https://www.epd.gov.hk/epd/misc/construction_noise/contents/index.php/en/home2/quieter-construction-methods.html.
- $\label{eq:control_control_control} \begin{tabular}{ll} \begin{ta$
- [4]: 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).
- [5]: The construction works areas are shown in Figure 4.3.

Construction Plant Inventory (Construction Works Area D)

Activity ID	Description of Activity		PME		No. of PME
Activity ID	Description of Activity	Group [1]	Description	TM or other ref.	No. of PINE
			Excavator, wheeled/tracked	EPD-12254	1
			Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	EPD ^[2]	1
D1	Site Establishment	D1.A	Hydraulic Concrete Crusher	EPD ^[3]	1
			Press-in piling	EPD ^[3]	1
			Generator	EPD-12349	1
			Piling, large diameter bored, grab and chisel	CNP 164	1
			Air Compressor	EPD-11726	1
			Lorry (24t)	Ref: AEIAR-	1
		D2.A	Lony (24t)	173/2013 ^[4]	'
		DZ.A	Excavator, wheeled/tracked	EPD-12254	1
			Crane, mobile	EPD-10143	1
			Generator	EPD-12349	1
			Water pump (electric)	CNP 281	2
			Piling, large diameter bored, oscillator	CNP 165	1
			Air Compressor	EPD-11726	1
			Lorry (24t)	Ref: AEIAR-	1
		D2.B	• • •	173/2013 [4]	
			Excavator, wheeled/tracked	EPD-12254	1
			Crane, mobile	EPD-10143	1
			Generator	EPD-12349	1
			Water pump (electric)	CNP 281	2
			Piling, large diameter bored, reverse circulation drill	CNP 166	1
D2	Substructure		Air Compressor	EPD-11726	1
			Lorry (24t)	Ref: AEIAR-	1
		D2.C		173/2013 ^[4]	
			Excavator, wheeled/tracked	EPD-12254	
			Crane, mobile	EPD-10143	1 1 1 2
			Generator (Alastria)	EPD-12349 CNP 281	
			Water pump (electric)		1 1 1 1 2 1 1
			Crane, mobile	EPD-10143 Ref: AEIAR-	1
			Lorry (24t)	173/2013 ^[4]	1
			Every other with a cloud/brook and	EPD-12254	
			Excavator, wheeled/tracked	EPD-12234 EPD-12349	
		D2.D	Generator Water pump (electric)	CNP 281	1 2
		D2.D	Water pump (electric)	Ref: AEIAR-	
			Concrete Pump	173/2013 ^[4]	1
			Bar bender and cutter (electric)	CNP 021	1
			bai berider and cutter (electric)	Ref: AEIAR-	<u>'</u>
			Concrete Lorry Mixer	173/2013 ^[4]	2
		_	Crono mobile	EPD-10143	1
		D3.A	Crane, mobile Winch (petrol)	CNP 263	1 1
			Crane, mobile	EPD-10143	1
			Winch (electric)	CNP 262	1
1			Generator	EPD-12349	2
		D3.B		Ref: AEIAR-	
			Lorry (24t)	173/2013 ^[4]	1
			Excavator, wheeled/tracked	EPD-12254	2
				Ref: AEIAR-	
D3	Superstructure		Concrete Pump	173/2013 ^[4]	1
53	Superstructure	D3.C		Ref: AEIAR-	1
		D3.C	Concrete Lorry Mixer	173/2013 ^[4]	1
			Generator	EPD-12349	2
			Generator	EPD-12349	2
		D3.D	Bar bender and cutter (electric)	CNP 021	1
			Asphalt Paver		1
		D3.E			1
l			Roller, vibratory		1
Notes:		D3.E	Asphalt Paver	Ref: AEIAR- 173/2013 ^[4] Ref: AEIAR- 173/2013 ^[4]	

Notes:

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

^{[2]:} The SWL is converted from SPL by distance attenuation in point source, and the SPL at 7m from the equipment is referenced to EPD website: https://www.epd.gov.hk/epd/misc/construction_noise/contents/index.php/en/home2/quieter-construction-methods.html.

 $^{[3]:} The \ SWL \ is \ referenced \ to \ EPD \ website: \ https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf$

^{[4]:} 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).

^{[5]:} The construction works areas are shown in Figure 4.3.

Construction Plant Inventory (Construction Works Area E)

Activity ID	Description of Activity	PME			No of DMT
		Group [1]	Description	TM or other ref.	No. of PME
E1			Excavator, wheeled/tracked	EPD-12254	1
			Generator	EPD-12349	1
	Site Establishment	E1.A	Dump truck , 5.5 tonne < gross vehicle weight ≦ 38 tonne	EPD [3]	1
			Press-in piling	EPD [2]	1
			Hydraulic Concrete Crusher	EPD [2]	1
			Piling, large diameter bored, reverse circulation drill	CNP 166	1
			Piling, large diameter bored, oscillator	CNP 165	1
			Air Compressor	EPD-11726	1
			Crane, mobile	EPD-10143	1
			Generator	EPD-12349	1
			Piling, large diameter bored, grab and chisel	CNP 164	1
			Lorry (24t)	Ref: AEIAR-	1
E2	Substructure	E2.A	Lony (24t)	173/2013 ^[4]	1 1 1 1 1
			Concrete Pump	Ref: AEIAR-	4
			Concrete Pump	173/2013 ^[4]	l '
			Concrete Lorry Mixer	Ref: AEIAR-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			Concrete Lorry Mixer	173/2013 ^[4]	
			Bar bender and cutter (electric)	CNP 021	1
			Excavator, wheeled/tracked	EPD-12254	2
			Water pump (electric)	CNP 281	2
			Crane, mobile	EPD-10143	1
			Winch (petrol)	CNP 263	
			Winch (electric)	CNP 262	
			Generator	EPD-12349	2
			Concrete Pump	Ref: AEIAR-	1
			Octionate Fullip	173/2013 ^[4]	
			Concrete Lorry Mixer	Ref: AEIAR-	1
E3	Superstructure	E3.A		173/2013 ^[4]	'
LJ	Superstructure	L3.A	Lorry (24t)	Ref: AEIAR-	1
			* . ,	173/2013 ^[4]	'
			Excavator, wheeled/tracked	EPD-12254	1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 1 1 1 1 1 2 1
			Bar bender and cutter (electric)	CNP 021	
			Asphalt Paver	Ref: AEIAR-	1
			Aspiral Favor	173/2013 ^[4]	'
			Roller, vibratory	Ref: AEIAR-	1
				173/2013 ^[4]	<u> </u>
		E4.A	Excavator, wheeled/tracked	EPD-12254	1
	Landscape Softworks and Cycle		Lorry (24t)	Ref: AEIAR-	1
E4	Track		2011 (271)	173/2013 ^[4]	'
	HIGON		Generator	EPD-12349	1
			Compactor, vibratory	CNP 050	1

^{[1]:} PMEs in each works group under same activity would not take place with others at the same time.
[2]: The SWL is converted from SPL by distance attenuation in point source, and the SPL at 7m from the equipment is referenced to EPD website: https://www.epd.gov.hk/epd/misc/construction_noise/contents/index.php/en/home2/quieter-construction-methods.html.

^{[3]:} 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

^{[4]:} 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).

^{[5]:} The construction works areas are shown in Figure 4.3.

Construction Plant Inventory (Construction Works Area F)

			PME		
Activity ID	Description of Activity	Group [1]	Description	TM or other ref.	No. of PME
			Piling, large diameter bored, reverse circulation drill	CNP 166	1
			Air Compressor	EPD-11726	1
			Crane, mobile	EPD-10143	1
		F1.A	Excavator, wheeled/tracked	EPD-12254	1
		FI.A	Generator	EPD-12349	2
			Derrick barge	CNP 061	1
			Tug boat	CNP 221	1
			Water pump, submersible (electric)	CNP 283	2
			Piling, large diameter bored, oscillator	CNP 165	1
			Air Compressor	EPD-11726	1
			Crane, mobile	EPD-10143	1
			Excavator, wheeled/tracked	EPD-12254	1
		F1.B	Generator	EPD-12349	2
			Derrick barge	CNP 061	1
			Tug boat	CNP 221	_
			Water pump, submersible (electric)	CNP 283	P 283 2 P 164 1 -11726 1 -10143 1 -12254 1 -12349 2
			Piling, large diameter bored, grab and chisel	CNP 164	
F1	Substructure		Air Compressor		
	Substructure		Crane, mobile		_
			Excavator, wheeled/tracked		1 1 2 1 1 2 1 1 1 2 1 1 1 1 1 1 1 2 1 1 1 1 2 1
		F1.C	Generator		
			Derrick barge		_
			Tug boat		
			· ·		
			Water pump, submersible (electric)		
			Crane, mobile		
			Excavator, wheeled/tracked		
			Generator		
			Water pump, submersible (electric)		2
			Concrete Pump	-	1
		F1.D			<u> </u>
			Concrete lorry mixer		1
			•		'
			Bar bender and cutter (electric)		1
			Derrick barge		1
			Tug boat	CNP 221	1
T T		Ì	Crane, mobile	EPD-10143	1
			Derrick barge	CNP 061	1
			Tug boat	CNP 221	1
			Winch (petrol)	CNP 263	1
			Winch (electric)	EPD-12254 EPD-12349 CNP 061 CNP 221 CNP 283 Oscillator CNP 165 EPD-11726 EPD-10143 EPD-12254 EPD-12254 EPD-12349 CNP 061 CNP 281 CNP 061 CNP 283 Grab and chisel CNP 164 EPD-11726 EPD-11726 EPD-11726 EPD-11726 EPD-11726 EPD-11726 EPD-11726 EPD-11726 EPD-11726 EPD-10143 EPD-1254 EPD-1254 EPD-12349 CNP 061 CNP 281 EPD-1249 CNP 283 EPD-1254 EPD-1249 EPD-1254 EPD-1249 CNP 061 CNP 283 Ref: AEIAR- 173/2013 ^[2] Fric) CNP 061 CNP 021 CNP 061 CNP 221 CNP 061 CNP 221 EPD-10143 EPD-10143 EPD-10143 EPD-1254 EPD-12349 Ref: AEIAR- 173/2013 ^[2] EPD-10143 CNP 061 CNP 221 EPD-10143 CNP 061 CNP 221 EPD-10143 EPD-10143 CNP 061 CNP 221 EPD-1043 CNP 061 CNP 221 EPD-1043 CNP 263 CNP 262 EPD-12349 Ref: AEIAR- 173/2013 ^[2] EPD-12254	1
			Generator		2
F2				Ref: AEIAR-	
			Concrete Pump		1
	Superstructure	F2.A	Concrete lorry mixer		1
	·				1
			Excavator, wheeled/tracked		2
			Bar bender and cutter (electric)		1
			Dai bender and cutter (electric)		+ '-
			Asphalt Paver		1
		1			
			Roller, vibratory		1
		I	Tollor, Vibratory	173/2013 ^[2]	1 '

Notes:

- [1]: PMEs in each works group under same activity would not take place with others at the same time.
- [2]: 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).
- [3]: The construction works areas are shown in Figure 4.3.