

Appendix 4-3a

Plant Inventory (Mitigated Scenario)



Agreement No. CE 22/2013 (DS) Drainage Improvement Works near Four Villages in Yuen Long - Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che - Investigation, Design and Construction

Appendix 4-3a Plant Inventory (Mitigated Scenario)

PME	TM or other reference	No. of PME	SWL/ PME, dB(A)	Total SWL, dB(A)	% on time	% on time Corr., dB(A)	Barrier/ Enclosure Corr., dB(A)	Sub-total SWL, dB(A
W	orks Type 1 - Widening of	the Existing	Drainage Ch	annel at Sung	Shan New V	illage	•	
Stage 1 - Excavation								
Excavator, wheeled/tracked	EPD-07033 [2]	2	91	94	100%	0.0	-5.0	89
Dump truck (5.5 tonne < Gross vehicle weight <= 38 tonne)	OCUPME-038 [3]	1	105	105	20%	-7.0	-5.0	93
							Total SWL, dB(A)	94
Stage 2 - Formwork and Reinforcement								
Bar bender and cutter (electric)	CNP021	2	90	93	100%	0.0	-10.0	83
Generator	EPD-06600 [2]	1	90	90	100%	0.0	-10.0	80
Crane, mobile	EPD-06243 [2]	1	92	92	20%	-7.0	-5.0	80
Jig-saw, hand-held, wood (electric)	OCUPME-017 [4]	1	99	99	20%	-7.0	-10.0	82
Lorry (5.5 tonne < Gross vehicle weight <= 38 tonne)	OCUPME-033 [5]	1	105	105	20%	-7.0	-5.0	93
· · · · · · · · · · · · · · · · · · ·						•	Total SWL, dB(A)	94

[3] Sound Power Levels are referred to "Sound Power Levels of other commonly use PME" published by EPD, identification code 38

[4] Sound Power Levels are referred to "Sound Power Levels of other commonly use PME" published by EPD, identification code 17 [5] Sound Power Levels are referred to "Sound Power Levels of other commonly use PME" published by EPD, identification code 33

Remark: Stage 1 and Stage 2 will not be undertaken concurrently at the same active works area.

РМЕ	TM or other reference	No. of PME	SWL/ PME, dB(A)	Total SWL, dB(A)	% on time	% on time Corr., dB(A)	Barrier/ Enclosure Corr., dB(A)	Sub-total SWL, dB(A)
	Works Type 2 - Wid	ening of the	Existing Drain	nage Channel	at Tai Wo	•		
Stage 1 - Excavation								
Excavator, wheeled/tracked	EPD-07033 [2]	2	91	94	100%	0.0	-5.0	89
Dump truck (5.5 tonne < Gross vehicle weight <= 38 tonne)	OCUPME-038 [3]	1	105	105	20%	-7.0	-5.0	93
		•					Total SWL, dB(A)	94
Stage 2 - Formwork and Reinforcement								
Bar bender and cutter (electric)	CNP021	2	90	93	100%	0.0	-10.0	83
Generator	EPD-06600 [2]	1	90	90	100%	0.0	-10.0	80
Crane, mobile	EPD-06243 [2]	1	92	92	20%	-7.0	-5.0	80
Jig-saw, hand-held, wood (electric)	OCUPME-017 [4]	1	99	99	20%	-7.0	-10.0	82
Lorry (5.5 tonne < Gross vehicle weight <= 38 tonne)	OCUPME-033 [5]	1	105	105	20%	-7.0	-5.0	93
							Total SWL, dB(A)	94
 PME is for reference only, contractor(s) can be a seried on the seried of the seried of the seried of the series of	ME) ID Code by EPD Power Levels of other con Power Levels of other con Power Levels of other con	nmonly use F nmonly use F nmonly use F	PME" publish PME" publish PME" publish	ed by EPD, ide ed by EPD, ide	entification c entification c	ode 17		

PME	TM or other reference	No. of PME	SWL/ PME, dB(A)	Total SWL, dB(A)	% on time	% on time Corr., dB(A)	Barrier/ Enclosure Corr., dB(A)	Sub-total SWL, dB(A)
	Works Type 3 - Wide	ning of the E	· · ·		t Lin Fa Tei	4B(A)		
Stage 1 - Excavation			g	<u>.</u>				
Excavator, wheeled/tracked	EPD-07033 [2]	2	91	94	100%	0.0	-5.0	89
Dump truck (5.5 tonne < Gross vehicle weight <= 38 tonne)	OCUPME-038 [3]	1	105	105	20%	-7.0	-5.0	93
		P					Total SWL, dB(A)	94
Stage 2 - Formwork and Reinforcement								•
Bar bender and cutter (electric)	CNP021	2	90	93	100%	0.0	-10.0	83
Generator	EPD-06600 [2]	1	90	90	100%	0.0	-10.0	80
Crane, mobile	EPD-06243 [2]	1	92	92	20%	-7.0	-5.0	80
Jig-saw, hand-held, wood (electric)	OCUPME-017 [4]	1	99	99	20%	-7.0	-10.0	82
Lorry (5.5 tonne < Gross vehicle weight <= 38 tonne)	OCUPME-033 [5]	1	105	105	20%	-7.0	-5.0	93
							Total SWL, dB(A)	94
[4] Sound Power Levels are referred to "Sound	Power Levels of other cor	-	•	•				
 [3] Sound Power Levels are referred to "Sound [4] Sound Power Levels are referred to "Sound [5] Sound Power Levels are referred to "Sound Remark: Stage 1 and Stage 2 will not be undertake 	Power Levels of other cor Power Levels of other cor on concurrently at the same	nmonly use F active works a	PME" publish area.	•	entification c		Barrier/ Enclosure	Sub-total
[4] Sound Power Levels are referred to "Sound [5] Sound Power Levels are referred to "Sound Remark: Stage 1 and Stage 2 will not be undertake PME	Power Levels of other cor Power Levels of other cor en concurrently at the same TM or other reference	nmonly use F active works a No. of PME	PME" publish area. SWL/ PME, dB(A)	ed by EPD, ide Total SWL, dB(A)	entification c	ode 33 % on time Corr., dB(A)	Corr., dB(A)	Sub-total SWL, dB(A)
[4] Sound Power Levels are referred to "Sound [5] Sound Power Levels are referred to "Sound Remark: Stage 1 and Stage 2 will not be undertake PME Works Type 4	Power Levels of other cor Power Levels of other cor on concurrently at the same	nmonly use F active works a No. of PME	PME" publish area. SWL/ PME, dB(A)	ed by EPD, ide Total SWL, dB(A)	entification c	ode 33 % on time Corr., dB(A)	Corr., dB(A)	
[4] Sound Power Levels are referred to "Sound [5] Sound Power Levels are referred to "Sound Remark: Stage 1 and Stage 2 will not be undertake PME Works Type 4 Stage 1 - Excavation	Power Levels of other cor Power Levels of other cor en concurrently at the same TM or other reference - Widening of the existing	nmonly use F active works a No. of PME drainage ch	PME" publish area. SWL/ PME, dB(A) annel and co	ed by EPD, ide Total SWL, dB(A) nstruction of a	entification c % on time a new drainag	ode 33 % on time Corr., dB(A) ge pipe at Ha Che	Corr., dB(A)	SWL, dB(A)
[4] Sound Power Levels are referred to "Sound [5] Sound Power Levels are referred to "Sound Remark: Stage 1 and Stage 2 will not be undertake PME Works Type 4 Stage 1 - Excavation Excavator, wheeled/tracked	Power Levels of other cor Power Levels of other cor en concurrently at the same TM or other reference	nmonly use F active works a No. of PME	PME" publish area. SWL/ PME, dB(A)	ed by EPD, ide Total SWL, dB(A)	entification c	ode 33 % on time Corr., dB(A)	Corr., dB(A)	
[4] Sound Power Levels are referred to "Sound [5] Sound Power Levels are referred to "Sound [5] Sound Power Levels are referred to "Sound Remark: Stage 1 and Stage 2 will not be undertake PME Works Type 4 Stage 1 - Excavation Excavator, wheeled/tracked Dump truck (5.5 tonne < Gross vehicle weight <=	Power Levels of other cor Power Levels of other cor en concurrently at the same TM or other reference - Widening of the existing	nmonly use F active works a No. of PME drainage ch	PME" publish area. SWL/ PME, dB(A) annel and co	ed by EPD, ide Total SWL, dB(A) nstruction of a	entification c % on time a new drainag	ode 33 % on time Corr., dB(A) ge pipe at Ha Che	-5.0 -5.0	SWL, dB(A) 89 93
4] Sound Power Levels are referred to "Sound 5] Sound Power Levels are referred to "Sound 5] Sound Power Levels are referred to "Sound Remark: Stage 1 and Stage 2 will not be undertake PME Works Type 4 Stage 1 - Excavation Excavator, wheeled/tracked Dump truck (5.5 tonne < Gross vehicle weight <= 38 tonne)	Power Levels of other cor Power Levels of other cor en concurrently at the same TM or other reference - Widening of the existing EPD-07033 [2]	nmonly use F active works a No. of PME drainage ch	PME" publish area. SWL/ PME, dB(A) annel and cor 91	ed by EPD, ide Total SWL, dB(A) nstruction of a 94	% on time new drainag	ode 33 % on time Corr., dB(A) ge pipe at Ha Che 0.0	Corr., dB(A) -5.0	SWL, dB(A) 89
[4] Sound Power Levels are referred to "Sound [5] Sound Power Levels are referred to "Sound " Remark: Stage 1 and Stage 2 will not be undertake PME Works Type 4 Stage 1 - Excavation Excavator, wheeled/tracked Dump truck (5.5 tonne < Gross vehicle weight <= 38 tonne) Stage 2 - Formwork and Reinforcement	Power Levels of other cor Power Levels of other cor en concurrently at the same TM or other reference - Widening of the existing EPD-07033 [2] OCUPME-038 [3]	nmonly use F active works a No. of PME drainage ch 2 1	PME" publish area. SWL/ PME, dB(A) annel and co 91 105	ed by EPD, ide Total SWL, dB(A) nstruction of a 94 105	 which is a new drainage 100% 20% 	ode 33 % on time Corr., dB(A) ge pipe at Ha Che 0.0 -7.0	Corr., dB(A) -5.0 -5.0 Total SWL, dB(A)	SWL, dB(A) 89 93 94
[4] Sound Power Levels are referred to "Sound [5] Sound Power Levels are referred to "Sound 1 [5] Sound Power Levels are referred to "Sound 1 Remark: Stage 1 and Stage 2 will not be undertake PME Works Type 4 Stage 1 - Excavation Excavator, wheeled/tracked Dump truck (5.5 tonne < Gross vehicle weight <= 38 tonne)	Power Levels of other cor Power Levels of other cor n concurrently at the same TM or other reference - Widening of the existing EPD-07033 [2] OCUPME-038 [3]	No. of PME drainage ch 2 1 2 2	PME" publish area. SWL/ PME, dB(A) annel and co 91 105 90	ed by EPD, ide Total SWL, dB(A) nstruction of a 94 105 93	 A on time A new drainage 100% 20% 	ode 33 % on time Corr., dB(A) ge pipe at Ha Che 0.0 -7.0 0.0	Corr., dB(A) -5.0 -5.0 Total SWL, dB(A) -10.0	SWL, dB(A) 89 93 93 94 83
[4] Sound Power Levels are referred to "Sound [5] Sound Power Levels are referred to "Sound 1 [5] Sound Power Levels are referred to "Sound 1 Remark: Stage 1 and Stage 2 will not be undertaked PME Works Type 4 Stage 1 - Excavation Excavator, wheeled/tracked Dump truck (5.5 tonne < Gross vehicle weight <= 38 tonne)	Power Levels of other cor Power Levels of other cor en concurrently at the same TM or other reference - Widening of the existing EPD-07033 [2] OCUPME-038 [3]	No. of PME drainage ch 2 1 2 1	PME" publish area. SWL/ PME, dB(A) annel and co 91 105 90 90	ed by EPD, ide Total SWL, dB(A) nstruction of a 94 105 93 90	 A new drainage 100% 20% 100% 100% 100% 	ode 33 % on time Corr., dB(A) ge pipe at Ha Che 0.0 -7.0 0.0 0.0 0.0	Corr., dB(A) -5.0 -5.0 Total SWL, dB(A) -10.0 -10.0	SWL, dB(A 89 93 93 94 83 80
[4] Sound Power Levels are referred to "Sound I [5] Sound Power Levels are referred to "Sound I [6] Sound Power Levels are referred to "Sound I Remark: Stage 1 and Stage 2 will not be undertake PME Works Type 4 Stage 1 - Excavation Excavator, wheeled/tracked Dump truck (5.5 tonne < Gross vehicle weight <= 38 tonne)	Power Levels of other cor Power Levels of other cor en concurrently at the same TM or other reference - Widening of the existing EPD-07033 [2] OCUPME-038 [3] CNP021 EPD-06600 [2] EPD-06243 [2]	nmonly use F active works a No. of PME drainage ch 2 1 1 2 1 1	PME" publish area. SWL/ PME, dB(A) annel and cor 91 105 90 90 90 92	ed by EPD, ide Total SWL, dB(A) nstruction of a 94 105 93 90 92	 A on time A new drainage 100% 20% 	ode 33 % on time Corr., dB(A) ge pipe at Ha Che 0.0 -7.0 0.0 0.0 0.0 -7.0	Corr., dB(A) -5.0 -5.0 Total SWL, dB(A) -10.0 -10.0 -5.0	SWL, dB(A 89 93 93 94 83 80 80 80
[4] Sound Power Levels are referred to "Sound [5] Sound Power Levels are referred to "Sound [5] Sound Power Levels are referred to "Sound Remark: Stage 1 and Stage 2 will not be undertake PME Works Type 4 Stage 1 - Excavation Excavator, wheeled/tracked Dump truck (5.5 tonne < Gross vehicle weight <=	Power Levels of other cor Power Levels of other cor en concurrently at the same TM or other reference - Widening of the existing EPD-07033 [2] OCUPME-038 [3]	No. of PME drainage ch 2 1 2 1	PME" publish area. SWL/ PME, dB(A) annel and co 91 105 90 90	ed by EPD, ide Total SWL, dB(A) nstruction of a 94 105 93 90	 A new drainage 100% 20% 100% 100% 100% 	ode 33 % on time Corr., dB(A) ge pipe at Ha Che 0.0 -7.0 0.0 0.0 0.0	Corr., dB(A) -5.0 -5.0 Total SWL, dB(A) -10.0 -10.0	SWL, dB(A 89 93 93 94 83 80
4] Sound Power Levels are referred to "Sound 5] Sound Found Found Found 5] Sound Found Found 5] Sound Found 5] Sound Found 5] Sound Found 5] Sound	Power Levels of other cor Power Levels of other cor en concurrently at the same TM or other reference - Widening of the existing EPD-07033 [2] OCUPME-038 [3] CNP021 EPD-06600 [2] EPD-06243 [2]	nmonly use F active works a No. of PME drainage ch 2 1 1 2 1 1	PME" publish area. SWL/ PME, dB(A) annel and cor 91 105 90 90 90 92	ed by EPD, ide Total SWL, dB(A) nstruction of a 94 105 93 90 92	 A on time A new drainage 100% 20% 	ode 33 % on time Corr., dB(A) ge pipe at Ha Che 0.0 -7.0 0.0 0.0 0.0 -7.0	Corr., dB(A) -5.0 -5.0 Total SWL, dB(A) -10.0 -10.0 -5.0	SWL, dB(A 89 93 93 94 83 80 80 80