

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
<ol> <li>PME is for reference only, contractor(s) can be a seried on the seried of the seried of the seried of the series of</li></ol>	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	-	•	•				
<ul> <li>[3] Sound Power Levels are referred to "Sound</li> <li>[4] Sound Power Levels are referred to "Sound</li> <li>[5] Sound Power Levels are referred to "Sound</li> <li>Remark: Stage 1 and Stage 2 will not be undertake</li> </ul>	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	<b>SWL, dB(A</b> ) 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	<b>Corr., dB(A)</b> -5.0	<b>SWL, dB(A</b> ) 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	<ul> <li>which is a new drainage</li> <li>100%</li> <li>20%</li> </ul>	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)	<b>SWL, dB(A)</b> 89 93 <b>94</b>
[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	<ul> <li>A on time</li> <li>A new drainage</li> <li>100%</li> <li>20%</li> </ul>	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	<ul> <li>A new drainage</li> <li>100%</li> <li>20%</li> <li>100%</li> <li>100%</li> <li>100%</li> </ul>	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	<ul> <li>A on time</li> <li>A new drainage</li> <li>100%</li> <li>20%</li> </ul>	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	<ul> <li>A new drainage</li> <li>100%</li> <li>20%</li> <li>100%</li> <li>100%</li> <li>100%</li> </ul>	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	<ul> <li>A on time</li> <li>A new drainage</li> <li>100%</li> <li>20%</li> </ul>	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