A Construction of Barrage Scheme

A1 Construction of E&M Control Room

A1.1 Site Clearance & Mobilistation

TITUE SILVE CICUITATIVE CO TITUSTIASTA						
Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)	TWI Ket./ Other Ket.	Items	dB(A)	%	dB(A)	dB(A)
Excavator, wheeled/tracked	EPD-07612	2	98	50%	-5	93
Generator, standard	EPD-07189	2	92	100%	-10	85
Water pump (electric)	CNP 281	2	88	100%	-10	81
Dump truck, 5.5 tonne < gross	EPD/PME/38	1	105	50%	5	97
vehicle weight ≤ 38 tonne	EPD/PME/38	1	105	30%	-5	91
		_	_		Total	99

A1.2 Excavation for E&M Control Room

Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)	TWI Ref./ Other Ref.	Items	dB(A)	%	dB(A)	dB(A)
Excavator, wheeled/tracked	EPD-07612	4	98	50%	-5	96
Water pump (electric)	CNP 281	4	88	100%	-10	84
Generator, standard	EPD-07189	4	92	100%	-10	88
Dump truck, 5.5 tonne < gross	EPD/PME/38	1	105	50%	5	97
vehicle weight ≤ 38 tonne	EPD/PNIE/38	1	105	30%	-5	97
					Total	100

A1.3 Piling Works for E&M Control Room

A1.5 Pling Works for Easy Con	troi Room					
Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)	TWI Ket./ Ouler Ket.	Items	dB(A)	%	dB(A)	dB(A)
Piling, large diameter bored, reverse	CNP166	4	100	50%	-5	98
circulation drill	CNF100	4	100	30%	-3	90
Drill rig, rotary type (diesel)	CNP 072	4	110	50%	-10	103
Crane, mobile	EPD-09096	4	103	50%	-5	101
Water pump (electric)	CNP 281	4	88	100%	-10	84
Generator, standard	EPD-07189	4	92	100%	-10	88
			_		Total	106

A1.4 Superstructure for E&M Control Room

Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)		Items	dB(A)	%	dB(A)	dB(A)
Crane, mobile	EPD-09096	2	103	50%	-5	98
Generator, standard	EPD-07189	2	92	100%	-10	85
Concrete lorry mixer	CNP 044	1	109	50%	-5	101
					Total	103

A1.5 Construction of Access Road for E&M Control Room

A1.5 Collsti uction of Access No.	id for Extri Control Roc	<i>)</i> 1111				
Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)	TWI Ref./ Outer Ref.	Items	dB(A)	%	dB(A)	dB(A)
Concrete lorry mixer	CNP 044	1	109	50%	-5	101
Poker, vibratory, hand-held	CNP 170	1	113	50%	-10	100
Generator, standard	EPD-07189	1	92	100%	-10	82
					Total	104

A1.6 E&M Installation for E&M Control Room

Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)		Items	dB(A)	%	dB(A)	dB(A)
Crane, mobile	EPD-09096	1	103	50%	-5	95
					Total	95

A2 Construction of Pumping Station A

A2.1 Site Clearance & Mobilistation

Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)	TWI Kel./ Other Kel.	Items	dB(A)	%	dB(A)	dB(A)
Excavator, wheeled/tracked	EPD-07612	2	98	50%	-5	93
Generator, standard	EPD-07189	2	92	100%	-10	85
Water pump (electric)	CNP 281	2	88	100%	-10	81
Dump truck, 5.5 tonne < gross	EPD/PME/38	1	105	50%	-5	97
vehicle weight ≤ 38 tonne	EPD/PNIE/38	1	103	30%	-3	91
					Total	99

A2.2 Excavation for E&M Control Room

Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)	TWI Ket./ Other Ket.	Items	dB(A)	%	dB(A)	dB(A)
Excavator, wheeled/tracked	EPD-07612	4	98	50%	-5	96
Water pump (electric)	CNP 281	4	88	100%	-10	84
Generator, standard	EPD-07189	4	92	100%	-10	88
Dump truck, $5.5 \text{ tonne} < \text{gross}$ vehicle weight $\leq 38 \text{ tonne}$	EPD/PME/38	1	105	50%	-5	97
					Total	100

A2.3 Piling Works for Pumping Station A

A2.5 I ming Works for I uniping Station A									
Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL			
(PME)	i wi kei./ other kei.	Items	dB(A)	%	dB(A)	dB(A)			
Piling, large diameter bored, reverse circulation drill	CNP166	4	100	50%	-5	98			
Drill rig, rotary type (diesel)	CNP 072	4	110	50%	-10	103			
Crane, mobile	EPD-09096	4	103	50%	-5	101			
Water pump (electric)	CNP 281	4	88	100%	-10	84			
Generator, standard	EPD-07189	4	92	100%	-10	88			
					Total	106			

A2.4 Concreting Works for Deepened Area for Pump Inlet A

A2.4 Concreting works for Deep	A2.4 Concreting works for Deepened Area for 1 ump finet A									
Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL				
(PME)		Items	dB(A)	%	dB(A)	dB(A)				
Generator, standard	EPD-07189	2	92	100%	-10	85				
Concrete lorry mixer	CNP 044	1	109	50%	-5	101				
					Total	101				

A2.5 Superstructure for Pumping Station A

Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)		Items	dB(A)	%	dB(A)	dB(A)
Crane, mobile	EPD-09096	2	103	50%	-5	98
Generator, standard	EPD-07189	2	92	100%	-10	85
Concrete lorry mixer	CNP 044	1	109	50%	-5	101
					Total	103

A2.6 E&M Installation for E&M Control Room

Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)		Items	dB(A)	%	dB(A)	dB(A)
Crane, mobile	EPD-09096	1	103	50%	-5	95
					Total	95

A3 Construction of Pumping Station B

A3.1 Site Clearance & Mobilistation

110:11 bite cicurunee ee 1/10binista						
Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)	TWI Kel./ Other Kel.	Items	dB(A)	%	dB(A)	dB(A)
Excavator, wheeled/tracked	EPD-07612	2	98	50%	-5	93
Generator, standard	EPD-07189	2	92	100%	-10	85
Water pump (electric)	CNP 281	2	88	100%	-10	81
Dump truck, 5.5 tonne < gross	EPD/PME/38	1	105	50%	-5	97
vehicle weight ≤ 38 tonne	EPD/PNIE/36	1	103	30%	-3	91
					Total	99

A3.2 Excavation for E&M Control Room

13.2 Excavation for East Control Room								
Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL		
(PME)	TWI Ket./ Ouler Ket.	Items	dB(A)	%	dB(A)	dB(A)		
Excavator, wheeled/tracked	EPD-07612	4	98	50%	-5	96		
Water pump (electric)	CNP 281	4	88	100%	-10	84		
Generator, standard	EPD-07189	4	92	100%	-10	88		
Dump truck, 5.5 tonne < gross	EPD/PME/38	1	105	50%	-5	07		
vehicle weight ≤ 38 tonne	EPD/PIVIE/36	1	103	30%	-3	97		
					Total	100		

A3.3 Piling Works for Pumping Station B

A3.3 I milg Works for I umping S	nation D					
Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)	TWI Ket./ Oulei Ket.	Items	dB(A)	%	dB(A)	dB(A)
Piling, large diameter bored, reverse circulation drill	CNP166	4	100	50%	-5	98
Drill rig, rotary type (diesel)	CNP 072	4	110	50%	-10	103
Crane, mobile	EPD-09096	4	103	50%	-5	101
Water pump (electric)	CNP 281	4	88	100%	-10	84
Generator, standard	EPD-07189	4	92	100%	-10	88
					Total	106

A3.4 Concreting Works for Deepened Area for Pump Inlet B

A3.4 Concreting Works for Deep	A3.4 Concreting works for Deepened Area for 1 timp linet b								
Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL			
(PME)	TWI Ref./ Other Ref.	Items	dB(A)	%	dB(A)	dB(A)			
Generator, standard	EPD-07189	2	92	100%	-10	85			
Concrete lorry mixer	CNP 044	1	109	50%	-5	101			
					Total	101			

A3.5 Superstructure for Pumping Station B

Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)		Items	dB(A)	%	dB(A)	dB(A)
Crane, mobile	EPD-09096	2	103	50%	-5	98
Generator, standard	EPD-07189	2	92	100%	-10	85
Concrete lorry mixer	CNP 044	1	109	50%	-5	101
					Total	103

A3.6 E&M Installation for E&M Control Room

Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)		Items	dB(A)	%	dB(A)	dB(A)
Crane, mobile	EPD-09096	1	103	50%	-5	95
					Total	95

A4 Construction of Tidal Barrier & Deepened Area C

A4.1 Construct Cofferdam across Yuen Long Nullah (& isolation from upstream flows)

Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)	TWI Ket./ Oulei Ket.	Items	dB(A)	%	dB(A)	dB(A)
Excavator, wheeled/tracked	EPD-07612	2	98	50%	-5	93
Generator, standard	EPD-07189	2	92	100%	-10	85
Water pump (electric)	CNP 281	2	88	100%	-10	81
Dump truck, $5.5 \text{ tonne} < \text{gross}$ vehicle weight $\leq 38 \text{ tonne}$	EPD/PME/38	1	105	50%	-5	97
					Total	99

A4.2 Excavation for Centre Section of Yuen Long Nullah

Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)	TWI Ket./ Other Ket.	Items	dB(A)	%	dB(A)	dB(A)
Excavator, wheeled/tracked	EPD-07612	4	98	50%	-5	96
Breaker, mini-robot mounted	EPD/PME/6	4	115	50%	-5	113
Water pump (electric)	CNP 281	4	88	100%	-10	84
Generator, standard	EPD-07189	4	92	100%	-10	88
Dump truck, 5.5 tonne < gross	EPD/PME/38	1	105	50%	-5	97
vehicle weight ≤ 38 tonne	EFD/PNIE/38	1	103	30%	-3	91
						113

A4.3 Piling Works for Centre Section of Yuen Long Nullah

A4.5 I ming Works for Centre Sec	A4.5 I mig works for Centre Section of Tuen Long Nunan									
Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL				
(PME)	TWI Ref./ Other Ref.	Items	dB(A)	%	dB(A)	dB(A)				
Piling, large diameter bored, reverse circulation drill	CNP166	4	100	50%	-5	98				
Drill rig, rotary type (diesel)	CNP 072	4	110	50%	-10	103				
Crane, mobile	EPD-09096	4	103	50%	-5	101				
Water pump (electric)	CNP 281	4	88	100%	-10	84				
Generator, standard	EPD-07189	4	92	100%	-10	88				
					Total	106				

A4.4 Concreting Works for Tidal Barrier & Deepened Area C

Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)	TWI Ket./ Oulei Ket.	Items	dB(A)	%	dB(A)	dB(A)
Crane, mobile	EPD-09096	2	103	50%	-5	98
Generator, standard	EPD-07189	2	92	100%	-10	85
Concrete lorry mixer	CNP 044	1	109	50%	-5	101
					Total	103

A4.5 Delivery and E&M Installations of Tidal Barriers

		3.7 0	ATT TT /T			- 1 ATT T
Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)	TWI Ker./ Other Ker.	Items	dB(A)	%	dB(A)	dB(A)
Crane, mobile	EPD-09096	2	103	50%	-5	98
Generator, standard	EPD-07189	2	92	100%	-10	85
					Total	98

B Modification of Flow Diversion Structures in the intersection of YLN and YLBF

B1.1 Demolition of Existing Structure

Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)	Tivi Kei./ Oulei Kei.	Items	dB(A)	%	dB(A)#	dB(A)
Concrete crusher, hand-held	CNP 053	2	97	100%	-5	95
Excavator, wheeled/tracked	EPD-07612	2	98	50%	-5	93
Generator, standard	EPD-07189	2	92	100%	-10	85
Water pump (electric)	CNP 281	2	88	100%	-10	81
Dump truck, $5.5 \text{ tonne} < \text{gross}$ vehicle weight $\leq 38 \text{ tonne}$	EPD/PME/38	1	105	50%	-5	97
					Total	100

B1.2 Excavation for Proposed Flow Diversion Structure

D1.2 Excavation for Proposed Flow Diversion Structure							
Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL	
(PME)	TWI Kel./ Other Kel.	Items	dB(A)	%	dB(A)	dB(A)	
Excavator, wheeled/tracked	EPD-07612	2	98	50%	-5	93	
Generator, standard	EPD-07189	2	92	100%	-10	85	
Water pump (electric)	CNP 281	2	88	100%	-10	81	
Dump truck, $5.5 \text{ tonne} < \text{gross}$ vehicle weight $\leq 38 \text{ tonne}$	EPD/PME/38	1	105	50%	-5	97	
	_	-			Total	99	

B1.3 Concreting Works for Proposed Flow Diversion Structure

Die Concreme works for 110 posed 110 w Diversion Structure						
Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)		Items	dB(A)	%	dB(A)	dB(A)
Crane, mobile	EPD-09096	1	103	50%	-5	95
Generator, standard	EPD-07189	1	92	100%	-10	82
Concrete lorry mixer	CNP 044	1	109	50%	-5	101
					Total	102

C Modification of Parapet Wall along YLN, SCR and KTR

C1.1 Parapet Wall along Yuen Long Nullah (Kung Um Road Section)

out 1 was per 11 and 2018 1 and 2018 1 and 1 and 2011 and							
Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL	
(PME)		Items	dB(A)	%	dB(A)#	dB(A)	
Hand-held Percussive Breaker	EPD-07316	2	99	50%	-10	89	
					Total	89	

C1.2 Parapet Wall along Sham Chung River

eriz rarapet wan arong sham e	mang miror					
Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)	TWI Ket./ Oulei Ket.	Items	dB(A)	%	dB(A)#	dB(A)
Hand-held Percussive Breaker	EPD-07316	2	99	50%	-10	89
					Total	89

C1.3 Parapat Wall along Kam Tin River

	11 141 / 01					
Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)	TWI Ket./ other Ket.	Items	dB(A)	%	dB(A)#	dB(A)
Hand-held Percussive Breaker	EPD-07316	2	99	50%	-10	89
					Total	89

D Revitalisation Works in YLN

D1.1 Temporary Flow Diversion Works

Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)	TWI Net./ Other Ref.	Items	dB(A)	%	dB(A)#	dB(A)
Excavator, wheeled/tracked	EPD-07612	2	98	50%	-5	93
Generator, standard	EPD-07189	2	92	100%	-10	85
Water pump (electric)	CNP 281	2	88	100%	-10	81
					Total	94

D1.2 Surface Breaking along Yuen Long Nullah

D1.2 Surface Dieaking along Tuen Long Nunan							
Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL	
(PME)	TWI Ket./ Other Ket.	Items	dB(A)	%	dB(A)	dB(A)	
Excavator, wheeled/tracked	EPD-07612	2	98	50%	-5	93	
Hand-held Percussive Breaker	EPD-07316	2	99	50%	-10	89	
Generator, standard	EPD-07189	2	92	100%	-10	85	
Water pump (electric)	CNP 281	2	88	100%	-10	81	
Dump truck, 5.5 tonne < gross	EPD/PME/38	1	105	50%	-5	97	
vehicle weight ≤ 38 tonne	EFD/FNIE/36	1	103	30%	-3	91	
					Total	99	

D1.3 Softscape & Hardscape Works

Powered Mechanical Equipment	TM Ref./ other Ref.	No. of	SWL/Item	On-time	Barrier	Total SWL
(PME)		Items	dB(A)	%	dB(A)	dB(A)
Crane, mobile	EPD-09096	1	103	50%	-5	95
Generator, standard	EPD-07189	1	92	100%	-10	82
Excavator, wheeled/tracked	EPD-07612	2	98	50%	-5	93
					Total	97