# CE 93/2017 (DS)

# Yuen Long Barrage Scheme - Investigation, Design and Construction

# Appendix 4.1 Construction Programme

		Duration	Τ.	2022					21	023					1				202	4								2025				$\neg$
Phases	Activities	(Months)			2 1	2	3	4 5			8	9 :	10 1	11 12	1	2	3 4	5			9	10	11	12	1	2 3	4		8	9 10	) 11	12
Α	Construction of Barrage Scheme	(11101101)																														
A1	Construction of E&M Control Room																															
A1.1	Site Clearance & Mobilistation	2																														П
A1.2	Excavation for E&M Control Room	4																														
A1.3	Piling Works for E&M Control Room	7																												$\top$		
A1.4	Superstructure for E&M Control Room	6																													+	П
A1.5	Construction of Access Road for E&M Control Room	3																												$\top$		
A1.6	E&M Installation for E&M Control Room	6																														
A2	Construction of Pumping Station A																															
A2.1	Site Clearance & Mobilistation	2																														
A2.2	Excavation for Pumping Station A & Deepened Area for Pump	7																														
	Inlet A	•													$\perp$																	Ш
	Piling Works for Pumping Station A	7												$\perp$	$\perp$														$\perp \perp$		!	$\sqcup$
A2.4	Concreting Works for Deepened Area for Pump Inlet A	3							_			_															_					$\boldsymbol{\sqcup}$
A2.5	Superstructure for Pumping Station A	10				$\perp \perp$	$\perp$		-	$\perp$		$\perp$																			'	$\square$
A2.6	Delivery and E&M Installations for Pumping Station A	18							_			_			$\perp$															щ	4!	$\boldsymbol{\sqcup}$
	Construction of Pumping Station B								_			_			$\perp$						_						_					Ш
A3.1	Site Clearance & Mobilistation	2							_			_			$\perp$						_						_				!	Ш
A3.2	Excavation for Pumping Station B & Deepened Area for Pump Inlet B	7																														
A3.3	Piling Works for Pumping Station B	9																														П
A3.4	Concreting Works for Deepened Area for Pump Inlet B	3																														
A3.5	Superstructure for Pumping Station B	10																														
A3.6	Delivery and E&M Installations for Pumping Station B	18																														
A4	Construction of Tidal Barrier & Deepened Area C																															
A4.1	Construct Cofferdam across Yuen Long Nullah (& isolation	4																														
	from upstream flows)				$\perp$	$\perp \perp$	_		_			_			$\perp$					$\perp$				_	_						$\perp$	
A4.2	Excavation for Centre Section of Yuen Long Nullah	6							_			_			$\perp$						_						_					$\boldsymbol{\sqcup}$
A4.3	Piling Works for Centre Section of Yuen Long Nullah	6							_			_			$\perp$						_						_					$\boldsymbol{\sqcup}$
A4.4	Concreting Works for Tidal Barrier & Deepened Area C	10				$\perp \perp$	_		_		$\sqcup$				$\perp$																	Ш
A4.5	Delivery and E&M Installations of Tidal Barriers	6																														
В	Modification of Flow Diversion Structures in the intersection																															
	of YLN and YLBF																															
	Demolition of Existing Structure	2			_		_		-			_	_					-														$\vdash$
B1.2	Excavation for Proposed Flow Diversion Structure	4		$\vdash$		+	_	$\perp$	-	$\perp$		_	_	_	$\perp$	_		-	$\sqcup$		_			_	_							$\vdash$
B1.3	Concreting Works for Proposed Flow Diversion Structure	4																														
С	Modification of Parapet Wall along YLN, SCR and KTR																															
C1.1	Parapet Wall along Yuen Long Nullah (Kung Um Road Section)	6																														
C1.2	Parapet Wall along Sham Chung River	6										$\prod$																				
C1.3	Parapat Wall along Kam Tin River	12																														
D	Revitalisation Works in YLN																															
D1	Revitalisation Works																															$\square$
D1.1	Temporary Flow Diversion Works	24																														Ш
D1.2	Surface Breaking along Yuen Long Nullah	24																														
D1.3	Softscape & Hardscape Works	24																														ı

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# Yuen Long Barrage Scheme - Investigation, Design and Construction

# Appendix 4.1 Construction Programme

		Duration	1			20	20				I			20	127				1			2	20				1			20		
Phases	Activities	Duration (Months)	1 2	3	1	20. 5   6		2   0	10	11 12	1 2	1 3	T / 1 5		)27   <sub>7</sub>	8 a	10 1	1 12	1 1 2	)   2	1 5		028   <sub>7</sub>	g a	10 1	1 12	1	2 3	202		7	8 0
Α	Construction of Barrage Scheme	(WOTHERS)	1 2	. 3	4	J 0	, ,	, ,	10	11 12	1 2		4 3			8 3	10 1	1 12	1 2	. 3	4 3	, 0		8 3	10 1	1 12	1	2 3		<u> </u>		
A1	Construction of E&M Control Room																															
A1.1	Site Clearance & Mobilistation	2		+	$\dashv$		+	+	t			+			H			+											++	+	$\sqcap$	
A1.2	Excavation for E&M Control Room	4		+	$\dashv$		+	+	t			+			H			+											++	+	$\sqcap$	
A1.3	Piling Works for E&M Control Room	7		+	_							1						+				+							++	+	一十	
A1.4	Superstructure for E&M Control Room	6		+ +								-	++									+							++	+	$\vdash$	+
A1.5	Construction of Access Road for E&M Control Room	3		+	_				+			+	++					+				+							++	+	$\vdash$	
A1.6	E&M Installation for E&M Control Room	6		+	_							1						+				+							++	+	一十	
A2	Construction of Pumping Station A			+	-				H													+							++	+	一十	
A2.1	Site Clearance & Mobilistation	2		+	-				H													+							++	+	一十	
	Excavation for Pumping Station A & Deepened Area for Pump	-		+	-				H													+							++	+	一十	
A2.2	Inlet A	7																											$\perp \perp$		Ш	
A2.3	Piling Works for Pumping Station A	7																											$\bot$		$\sqcup$	
A2.4	Concreting Works for Deepened Area for Pump Inlet A	3	$\perp \perp$	$\perp \perp$		$\perp \perp \perp$	$\perp$		$\sqcup$		$oxed{oxed}$	_	$\perp \perp$	_			$\sqcup \bot$	_		$\perp$		_	$\Box$				$\sqcup \bot$		$\bot \bot$	$\perp \! \! \perp \! \! \perp$	$\sqcup$	
A2.5	Superstructure for Pumping Station A	10	$\perp \perp$	$\perp \perp$		$\perp \perp \perp$	$\perp$		$\sqcup$		$oxed{oxed}$	_	$\perp \perp$	_			$\sqcup \bot$	_		$\perp$		_	$\Box$				$\sqcup \bot$		$\bot \bot$	$\perp \! \! \perp \! \! \perp$	$\sqcup$	$\perp \!\!\! \perp \!\!\! \perp$
A2.6	Delivery and E&M Installations for Pumping Station A	18	$\perp \perp$	$\perp \perp$					$\sqcup$				$\perp \perp$		Ш								$\sqcup \bot$						44	$\perp$	$\sqcup$	
A3	Construction of Pumping Station B		ш	$\perp \perp$					$\sqcup$				$\perp \perp$		Ш								$\sqcup \bot$						44	$\perp$	$\sqcup$	
A3.1	Site Clearance & Mobilistation	2	$\perp \perp$	$\perp \perp$					$\sqcup$				$\perp \perp$		Ш								$\sqcup \bot$						44	$\perp$	$\sqcup$	
A3.2	Excavation for Pumping Station B & Deepened Area for Pump Inlet B	7																														
A3.3	Piling Works for Pumping Station B	9																														
A3.4	Concreting Works for Deepened Area for Pump Inlet B	3																														
A3.5	Superstructure for Pumping Station B	10																														
A3.6	Delivery and E&M Installations for Pumping Station B	18																														
A4	Construction of Tidal Barrier & Deepened Area C																															
A4.1	Construct Cofferdam across Yuen Long Nullah (& isolation from upstream flows)	4																														
A4.2	Excavation for Centre Section of Yuen Long Nullah	6																														
A4.3	Piling Works for Centre Section of Yuen Long Nullah	6																														
A4.4	Concreting Works for Tidal Barrier & Deepened Area C	10																														
A4.5	Delivery and E&M Installations of Tidal Barriers	6													П																	
В	Modification of Flow Diversion Structures in the intersection of YLN and YLBF																															
B1.1	Demolition of Existing Structure	2																														
B1.2	Excavation for Proposed Flow Diversion Structure	4	++	+	+	$\dashv \dashv$	$\dashv$		+			+	++	+				+	+			+	1				++	$\dashv$	++	+	$\sqcap$	$\dashv$
B1.3	Concreting Works for Proposed Flow Diversion Structure	4	<del>                                     </del>	+ +	$\dashv$	+	$\dashv$		1 1			+	++	+								+	† †	1			† †	_	++	+	一十	$\dashv$
С	Modification of Parapet Wall along YLN, SCR and KTR																															
C1.1	Parapet Wall along Yuen Long Nullah (Kung Um Road Section)	6																														
C1.2	Parapet Wall along Sham Chung River	6																													$\sqcap$	
C1.3	Parapat Wall along Kam Tin River	12																														
D	Revitalisation Works in YLN																															
D1	Revitalisation Works																															
D1.1	Temporary Flow Diversion Works	24		11																												
D1.2	Surface Breaking along Yuen Long Nullah	24							$\Box$																							
D1.3	Softscape & Hardscape Works	24																														