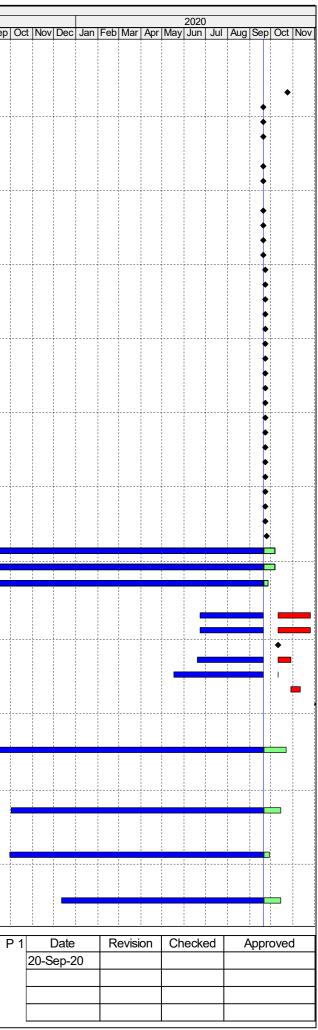
Appendix B

Construction Programme

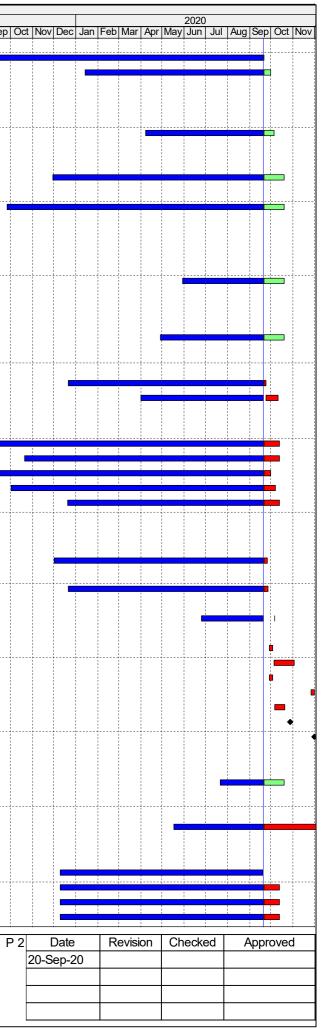
ID		Activity	Duration (Days)	Activity % S Complete	itart Finish	Total Float	2018 2019
			(24,3)	Compion		riout	May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep (
		ne Three Month Rolling Programme 20-Sep-20					
	Contract Dates						
	Key Dates KD08	KD09 All Other Works for Tunnel Comissioning & Opening	0	0%		0	
	KD08 KD09	KD08 - All Other Works for Tunnel Comissioning & Opening KD09 - C&ED Building, E&M Works, & FSD Inspection	0	0%		-46	
	KD10	KD10 - FSD Building, E&M Works, & FSD Inspection	0	0%		-40	
	KD10 KD11	KD10 - F3D building, Early Works, & F3D inspection KD11 - Landscape Soft Works & Trees Protection	0	0%		-103	
	Portion Possession Dates	TETT - Landscape out works & frees holection	0	070			
	P325	Possession to Portion XXII (Day 483)	0	0%		-124	
	P335	Possession to Portion XXIII (Day 483)	0	0%		-124	
	Portion Handover Dates						
	H120	Vacate Portion XVIb (KD10+28)	0	0%		-115	
	H130	Vacate Portion XVIa (KD10+28)	0	0%		-115	
	H140	Vacate Portion XVb (KD9+28)	0	0%		-54	
	H150	Vacate Portion XVa (KD9+28)	0	0%		-54	
	H160	Vacate Portion XXIa (KD8+28)	0	0%		0	
	H170	Vacate Portion XXIb (KD8+28)	0	0%		0	
	H180	Vacate Portion XXII (KD8+28)	0	0%		0	
	H190	Vacate Portion XXIII (KD8+28)	0	0%		0	
	H200	Vacate Portion XII (KD8+28)	0	0%		0	
	H210	Vacate Portion XIII (KD8+28)	0	0%		0	
	H220	Vacate Portion XIV (KD8+28)	0	0%		0	
	H230	Vacate Portion XVIIa (KD8+28)	0	0%		0	
	H240	Vacate Portion Ve (KD8+28)	0	0%		0	
	H250	Vacate Portion Vc (KD8+28)	0	0%		0	
	H260 H270	Vacate Portion VIb (KD8+28)	0	0% 0%		0	
	H270 H280	Vacate Portion VIII (KD8+28)	0	0%		0	
	H290	Vacate Portion XI (KD8+28) Vacate Portion VII (KD8+28)	0	0%		0	
	H300	Vacate Portion IX (KD8+28)	0	0%		0	
	H310	Vacate Portion X (KD8+28)	0	0%		0	
	H320	Vacate Portion XXIc (KD8+28)	0	0%		0	
	H330	Vacate Portion WA6 (KD8+28)	0	0%		0	
	H340	Vacate Portion XIX (KD11+28)	0	0%		0	
	Major Design Submission & A						
-	Major Material Submission &						
-	 Drawing Submission & Appro						
-	General Procurement						
	OW120	Hard Landscaping Works & Irrigation Systems	96	60%		-63	
	OW130	Street Furniture	96	60%		-27	
	OW135	All T&C Completed	0	0%		-33	
	OW145	ELV System Test	70	80%		-33	
	OW155	Interfacing T&C with C5	70	100%		-19	
	OW160	Integrated System Test	12	0%		-33	
	OW200	KD8 Achieved	0	0%		-35	
	Key Date 1 - Toll Control Buildi	ing (TCB) & TCSS Provision					
	ABWF Works (for All)						
	ATCB1130	ABWF second fix & final fix	90	95%		1	
	Key Date 2 - Administration B	uilding, Maintenance Depot, Kiosk N2, TCSS Provision					
	Administration Building (ADB)					
	ABWF Works (for All)						
	AADB1200	ABWF second fix & final fix	90	98%		8	
	Maintenance Depot						
	ABWF Works (for All)						
	AMD1070	ABWF second fix & final fix	80	97%		20	
	Key Date 6 - E&M Works for A	dministration Building, Maintenance Depot, North Vent Building, Kiosk N2					
	Remaining Works						
	KD6-OSW-1000	Remaining Works (Non FSI related)	42	95%		8	
	Key Date 3 - Satellite Control B	Building & TCSS Provision					
						47/10	
1					CONTRACT NO. HY20	1//10	Р

TM-CLKL NORTHERN CONNECTION TUNNEL BUILDINGS, E&M WORKS



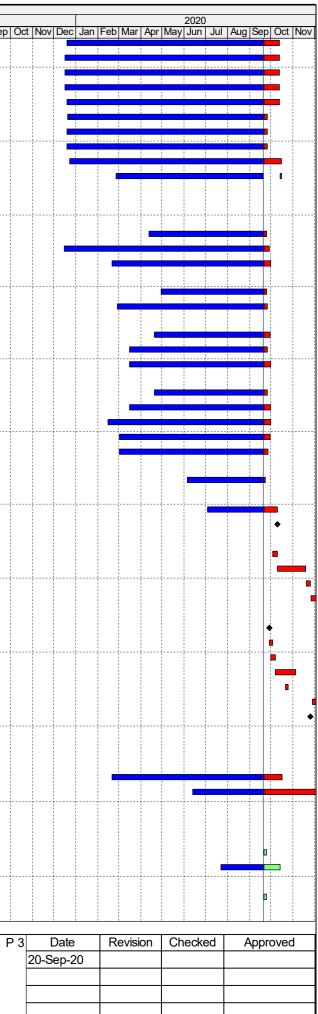
ID	Activity	Duration	Activity %	tart Finish	Total										 	
		(Days)	Complete		Float		2018 Jun J		Sen	Oct N	ov Dec	Jan F	-ebl Ma	r Apr N	019 Jul	Aug Sep
ABWF Works (for All)													C.S. Mid		 Jul	<u> </u>
ASCB1020	ABWF Works to Plant Rooms G/F	60	100%		-10					1						
ASCB1070	ABWF second fix & final fix	56	95%		18								8			
	CB, Toll Area, Kiosk N1, Underpass, Plant Rm, and Approach Roads															
E&M Works for TCB																
Remaining Works for TCB (I KD5-OSW-1000	Non-FSI related) Remaining Works (Non FSI related)	42	95%		16				÷			·			 +	
Approach Roads	Remaining works (Norr FSI related)	42	90 /0		10											
Under Portions IX, XI, XX								-								
AR150	T&C of Roading Lighting	30	40%		4											
Under Portion X																
AR200	T&C of Roading Lighting in portion X	30	40%		4										 	ſ
Key Date 7 - E&M Works for Sa	atellite Control Building and Kiosks S1&S2															
E&M Works for Satellite Contr	rol Building															
E&M Works																
Remaining Works for S		10	0.50/												 	
KD7-OSW-1010	Remaining Works (Non-FSI related)	42	95%		4											
Key Date 6C - E&M Works for S	South Ventilation Building										1					
Remaining Works for SVB (No										-						
KD6C-OSW-1000	Remaining Works (Non-FSI related)	42	95%		4											
Key Date 6A - E&M Works for A																
Approach Roads															 	
EAR130	Road Ligting Installation & Termination	50	95%		-63											
EAR140	T&C & Miscellaneous Works for Statutory Inspection	12	0%		-63											
Key Date 10 - FSD Building Stru	ucture & E&M Works															
ABWF Works															 ÷	
AFSD1030	ABWF Works to Office and Corridors G/F	124	99%		-135											
AFSD1031	ABWF Works to Office and Corridors 1/F	124	99%		-135											_
AFSD1040 AFSD1060	ABWF Works to Toilets G/F External Cladding and Wall Plastering	136 101	99%		-135 -94											
AFSD1000	ABWF second fix & final fix	73	90%		-99											
E&M Works		10	0070		00										 +	
Installation																
G/F																
FSDB-EMGF1160	E&M Installation - Elv Plant Rooms - G/F	50	90%		-140											
1/F															 	
	E&M Installation - PD Plant Rooms - 1/F	60	90%		-145											
Testing and Commissioning FSDB-TC1030		30	98%		-99											
Statutory Inspections and ap	Non-Essential T&C	30	90%		-99											
FSDB-SI1060	WSD inspection of Plumbing Installation (PL)	4	0%		-145						1					
FSDB-SI1080	Water Samples Test	24	0%		-145										 -	
FSDB-SI1090	Obtain Water Certificate and water supply connection - FS	4	0%		-115											
FSDB-SI1100	Obtain Water Certificate and water supply connection - PL	4	0%		-145											
FSDB-SI1120	FSD Inspection	12	0%		-116					-						
FSDB-SI1130	Obtain FSI Certificate FS 172	0	0%		-116										 	
FSDB-SI1140	KD10 Achieved	0	0%		-145											
Key Date 7A - E&M Works for	Approach Roads at South Side															
Approach Roads	710	10														
EAR200	T&C	12	20%		4					-						
Tunnel Remaining Works for Tunne									÷}			·			 	
A1010	Remaining Works (Non FSI related)	98	90%		-35											
Key Date 9 - C&ED Building & E		30	30 /0		-00						1					
ABWF Works																
ACED1010	Door and Window Frames	48	100%													
ACED1020	ABWF Works to Plant Rooms G/F	60	95%		-141	1								1	 1	
ACED1021	ABWF Works to Plant Rooms 1/F	60	85%		-141											
ACED1022	ABWF Works to Plant Rooms 2/F	60	85%		-141											
				CONTRACT NO HY2017	7/10											F

TM-CLKL NORTHERN CONNECTION TUNNEL BUILDINGS, E&M WORKS



	Activity	Duration	Activity % Sta	rt Finish	Total	
		(Days)	Complete		Float	2018 2019 Any Jun Jul Aug Sen Oct Nov Dec Jan Feb Mari Ant May Jun Jul Au
ACED1023	ABWF Works to Plant Rooms 3/F	60	85%		-140	May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Au
ACED1030	ABWF Works to Office and Corridors G/F	133	95%		-136	
ACED1031	ABWF Works to Office and Corridors 1/F	118	85%		-136	
ACED1032	ABWF Works to Office and Corridors 2/F	130	85%		-132	
ACED1033	ABWF Works to Office and Corridors 3/F	92	85%		-132	
ACED1040	ABWF Works to Toilets G/F	142	95%		-136	
ACED1041	ABWF Works to Toilets 2/F	142	95%		-132	
ACED1042	ABWF Works to Toilets 3/F	98	99%		-132	
ACED1060	External Cladding and Wall Plastering	97	80%		-84	
ACED1000	ABWF second fix & final fix	69	80%		-83	
E&M Works		00	0070		00	
Installation						
G/F						
C&EDB-GF1030	E&M Installation - Final fix - G/F	40	90%		-136	
C&EDB-GF1120	E&M Installation - Generator & Fuel Tank Rooms - G/F	90	93%		-138	
C&EDB-GF1160	E&M Installation - Elv Plant Rooms - G/F	90	90%		-141	
1/F	Edivi installation - Elv Fiant Nooms - On	30	3070		-141	
C&EDB-1F1030	E&M Installation - Final fix - 1/F	40	90%		-136	
C&EDB-1F1030	E&M Installation - Electrical Plant Rooms - 1/F	90	95%		-130	
2/F		30	3070		-157	
C&EDB-2F1030	E&M Installation - Final fix - 2/F	40	80%		-128	
C&EDB-2F1060	E&M Installation - Electrical Plant Rooms - 2/F	90	95%		-137	
C&EDB-2F1100	E&M Installation - Elv Plant Rooms - 2/F	90	90%		-141	
3/F		30	3070		-141	
C&EDB-3F1030	E&M Installation - Final fix - 3/F	30	85%		-131	
C&EDB-3F1060	E&M Installation - Electrical Plant Rooms - 3/F	84	90%		-140	
C&EDB-3F1080	E&M Installation - MVAC Plant Rooms - 3/F	84	90%		-140	
C&EDB-3F1080	E&M Installation - FS Plant Rooms - 3/F	80	90%		-140	
		60	90%		-140	
C&EDB-3F1120 Roof	E&M Installation - PD Plant Rooms - 3/F	00	90%		-98	
C&EDB-RF1030	E&M Installation - Final fix - Roof	20	90%		-132	
Lift Installation		20	5070		102	
C&EDB-LF1040	Final adjustment, Submission of Form LE5 & EMSD processing	30	50%		-90	
C&EDB-LF1050	Issuance of lift use permit	0	0%		-90	
Testing and Commissioning		0	070		00	
C&EDB-TC1020	Equipment Start-up T&C for FSI	6	0%		-141	
C&EDB-TC1023	Individual E&M System T&C for FSI	33	0%		-141	
C&EDB-TC1025	Intergrated T&C for FSI	6	0%		-141	
C&EDB-TC1023	Non-Essential T&C	24	0%		-141	
		24	078		-110	
Statutory Inspections and a C&EDB-SI1030	Obtain DG Licence	0	0%		01	
		0			-81	
C&EDB-SI1060 C&EDB-SI1070	WSD inspection of Plumbing Installation (PL)	4	0% 0%		-98	
	WSD inspection of Plumbing Installation (FS)	4			-103	
C&EDB-SI1080	Water Samples Test	24	0%		-100	
C&EDB-SI1090	Obtain Water Certificate and water supply connection - FS	4	0%		-103	
C&EDB-SI1100	Obtain Water Certificate and water supply connection - PL	4	0%		-100	
C&EDB-SI1110	Final Submission of Form FSI 314 / 501 to FSD	0	0%		-141	
C&EDB-SI1120	FSD Inspection	28	0%		-141	
Key Date 11 - Landscape Soft \	Works & Trees Protection					
Landscape Soft Works						
SL120	Landscape Soft Works at North Side (wet season)	122	82.79%		-30	
SL140	Landscape Soft Works at South Side (wet season)	102	5.88%		-105	
Key Date 8 - All Works for Tunr	nel Comissioning & Opening					
Statutory Inspections and appr	rovals					
Administration Building						
ADB-SI1070	Obtain Water Certificate and water supply connection - PL	4	0%		23	
ADB-SI1120	EMSD examines site acceptance report and acceptance	36	50%		9	
Maintenance Depot					-	
MD-SI1100	Obtain Water Certificate and water supply connection - PL	4	0%		23	
		· ·				
North Ventilation Building						

TM-CLKL NORTHERN CONNECTION TUNNEL BUILDINGS, E&M WORKS



ID		Activity	Duration	Activity % Start	Finish	Total			2040											0040			
			(Days)	Complete		Float			2018 n Julu		ia Se	n Oc	t Nov	Dec	Jan I	-eh M	/ar A	nr M		2019 n Ju		n Ser	10
	NVB-SI1110	WSD inspection of Plumbing Installation (PL)	4	100%	1		iviciy	yloui		1 7 10	gloc	<u>, p 00</u>		1000					ay da		1, 1, 101	<u>, 100</u>	1
	NVB-SI1130	Water Samples Test	24	0%		-13																	
	NVB-SI1140	Obtain Water Certificate and water supply connection - PL	4	0%		-13	1	-+															
	Petrol Filling Station																						
	PFS-SI1030	DG Inspection	18	0%		3	1																
	PFS-SI1040	Obtain DG Licence	0	0%		3			-				1										
	Underpass & Plant Room																						
	VUP-SI2020	Obtain FSI Certificate FS 172	0	0%		16		-													-		
	Toll Control Building & Toll (Collector Subway																					
	TCB-SI2020	WSD inspection of Plumbing Installation (PL)	4	0%		-25																	
	TCB-SI2040	Water Samples Test	24	0%		-25					-												
	TCB-SI2045	Obtain Water Certificate and water supply connection - FS	4	100%																			
	TCB-SI2050	Obtain Water Certificate and water supply connection - PL	4	0%		-25		-		-	-										-		
	TCB-SI3010	EMSD examines site acceptance report and acceptance	36	50%		9																	
	Satellite Control Building						L																
	SCB-SI1080	Water Samples Test	24	0%		-10			-	-	-		1	1									
	SCB-SI1100	Obtain Water Certificate and water supply connection - PL	1	0%		-10	l																
	South Ventilation Building						L		-		-										-		1
	SVB-SI1130	Water Samples Test	24	0%		-13		i.	-		i												ł
	SVB-SI1140	Obtain Water Certificate and water supply connection - PL	4	0%		-13			-		į										-		
	Tunnel						L				-												
	TNL-10TC2010	FSD inspection & re-inspection	42	60%		-44																	1
	TNL-10TC2020	Obtain Fire Certificate	0	0%		-44					-												
	Others Works for Road Openir											-	1	1								1	
	OW175	Operation Verifications and Trial	18	0%		-33		-		į			1	1						-	:		i

TM-CLKL NORTHERN CONNECTION TUNNEL BUILDINGS, E&M WORKS

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