

Appendix B

Construction Programme

	Activity	Duration (Days)	Duration % Complete	Start	Finish	Total Float	2018												2019												2020							
							May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep			
HY2017/10 - Works Programme Three Month Rolling Programme 20-May-20																																						
Contract Dates																																						
Key Dates																																						
	KD05	KD05 - E&M for Toll Area,N1,Underpass,Plant Rm,Footbridges/Roads	0	0%																																		
	KD06C	KD6C - E&M for South Vent Building	0	100%																																		
	KD07	KD07 - E&M for Satellite Control Bldg and S1 & S2	0	0%																																		
	KD07A	KD7A- E&M for Approach Roads and At-Grade Rd at South Side	0	100%																																		
	KD09	KD09 - C&ED Building, E&M Works, & FSD Inspection	0	0%																																		
	KD10	KD10 - FSD Building, E&M Works, & FSD Inspection	0	0%																																		
Portion Possession Dates																																						
	P325	Possession to Portion XXII (Day 483)	0	0%																																		
	P335	Possession to Portion XXIII (Day 483)	0	0%																																		
Portion Handover Dates																																						
	H120	Vacate Portion XVIb (KD10+28)	0	0%																																		
	H130	Vacate Portion XVIa (KD10+28)	0	0%																																		
	H140	Vacate Portion XVb (KD9+28)	0	0%																																		
	H150	Vacate Portion XVa (KD9+28)	0	0%																																		
Major Design Submission & Approval																																						
Toll Control Building																																						
MVAC System																																						
	TCB-EMD1095	Authorities Review and Comment of AHU/PAU Static Pressure Calculation	56	80%																																		
	TCB-EMD1115	Authorities Review and Comment of MVAC Pump head calculation	56	80%																																		
Electrical System																																						
	TCB-EMD1015	Authorities Review and Comment of UPS and Battery Capacity Calculations	56	80%																																		
	TCB-EMD1055	Authorities Review and Comment of Generator Calculation	56	80%																																		
Fire Service System																																						
	TCB-EMD1175	Authorities Review and Comment of FS Pump Head Calculation	56	80%																																		
	TCB-EMD1195	Authorities Review and Comment of Sprinkler Pump Head Calculation	56	80%																																		
	TCB-EMD1215	Authorities Review and Comment of FM200 System Design Calculation	56	80%																																		
Plumbing & Drainage System																																						
	TCB-EMD1235	Authorities Review and Comment of Pump Head Calculation	56	80%																																		
	TCB-EMD1275	Authorities Review and Comment of Hot water system capacity calculation	56	80%																																		
	TCB-EMD1395	Authorities Review and Comment of Drainage Sump Pumps and Pump Pits Calculation	56	80%																																		
Administration Building																																						
MVAC System																																						
	ADB-EMD1015	Authorities Review and Comment of AC Cooling Capacity Calculation	56	80%																																		
	ADB-EMD1035	Authorities Review and Comment of AHU/PAU Static Pressure Calculation	56	80%																																		
	ADB-EMD1055	Authorities Review and Comment of Pump head calculation	56	80%																																		
	ADB-EMD1075	Authorities Review and Comment of Mechanical Ventilation Capacity Calculation	56	80%																																		
Electrical System																																						
	ADB-EMD1115	Authorities Review and Comment of Electrical Loading Demand Calculation	56	80%																																		
	ADB-EMD1135	Authorities Review and Comment of Generator Calculation	56	80%																																		
Fire Service System																																						
	ADB-EMD1155	Authorities Review and Comment of FS Pump Head Calculation	56	80%																																		
	ADB-EMD1175	Authorities Review and Comment of Sprinkler Pump Head Calculation	56	80%																																		
Plumbing & Drainage System																																						
	ADB-EMD1215	Authorities Review and Comment of Pump Head Calculation	56	80%																																		
	ADB-EMD1235	Authorities Review and Comment of Pressure Vessel Calculation	56	80%																																		

ID		Activity	Duration (Days)	Duration % Complete	Start	Finish	Total Float	2018												2019												2020								
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
		ADB-EMD1255	Authorities Review and Comment of Hot water system capacity calculation	56	80%																																			
		North Ventilation Building																																						
		MVAC System																																						
		NVB-EMD1035	Authorities Review and Comment of Mechanical Ventilation Capacity Calculation	56	80%																																			
		Electrical System																																						
		NVB-EMD1055	Authorities Review and Comment of HV Electrical Loading Calculation	56	80%																																			
		NVB-EMD1075	Authorities Review and Comment of UPS and Battery Capacity Calculations	56	80%																																			
		NVB-EMD1095	Authorities Review and Comment of Electrical Loading Demand Calculation	56	80%																																			
		NVB-EMD1115	Authorities Review and Comment of Generator Calculation	56	80%																																			
		Fire Service System																																						
		NVB-EMD1135	Authorities Review and Comment of FS Pump Head Calculation	56	80%																																			
		NVB-EMD1155	Authorities Review and Comment of Sprinkler Pump Head Calculation	56	80%																																			
		NVB-EMD1175	Authorities Review and Comment of FM200 System Design Calculation	28	80%																																			
		Plumbing & Drainage System																																						
		NVB-EMD1305	Authorities Review and Comment of Drainage Sump Pumps and Pump Pits Calculation	56	80%																																			
		Maintenance Depot																																						
		MVAC System																																						
		MD-EMD1015	Authorities Review and Comment of AC Cooling Capacity Calculation	56	80%																																			
		Electrical System																																						
		MD-EMD1075	Authorities Review and Comment of Electrical Loading Demand Calculation	56	80%																																			
		MD-EMD1095	Authorities Review and Comment of Generator Calculation	56	80%																																			
		Fire Service System																																						
		MD-EMD1115	Authorities Review and Comment of FS Pump Head Calculation	56	80%																																			
		MD-EMD1135	Authorities Review and Comment of Sprinkler Pump Head Calculation	56	80%																																			
		MD-EMD1155	Authorities Review and Comment of FM200 System Design Calculation	56	80%																																			
		Plumbing & Drainage System																																						
		MD-EMD1175	Authorities Review and Comment of Pump Head Calculation	56	80%																																			
		MD-EMD1195	Authorities Review and Comment of Pressure Vessel Calculation	56	80%																																			
		MD-EMD1215	Authorities Review and Comment of Drainage Sump Pumps and Pump Pits Calculation	56	80%																																			
		Satellite Control Building																																						
		Electrical System																																						
		SCB-EMD1055	Authorities Review and Comment of UPS and Battery Capacity Calculations	56	80%																																			
		SCB-EMD1075	Authorities Review and Comment of Electrical Loading Demand Calculation	56	80%																																			
		SCB-EMD1095	Authorities Review and Comment of Generator Calculation	56	80%																																			
		Fire Service System																																						
		SCB-EMD1115	Authorities Review and Comment of FS Pump Head Calculation	56	80%																																			
		SCB-EMD1135	Authorities Review and Comment of Sprinkler Pump Head Calculation	56	80%																																			
		SCB-EMD1155	Authorities Review and Comment of FM200 System Design Calculation	56	80%																																			
		Plumbing & Drainage System																																						
		SCB-EMD1285	Authorities Review and Comment of Pump Head Calculation	56	80%																																			
		SCB-EMD1335	Authorities Review and Comment of Pressure Vessel Calculation	56	80%																																			
		Costom & Excise Department Building																																						
		Electrical System																																						

ID		Activity	Duration (Days)	Duration % Complete	Start	Finish	Total Float	2018												2019												2020					
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
		TUN-EMD1115	Authorities Review and Comment of FS Pump Head Calculation	56	80%																																
		TUN-EMD1135	Authorities Review and Comment of Sprinkler Pump Head Calculation	56	80%																																
		Plumbing & Drainage System																																			
		TUN-EMD1185	Authorities Review and Comment of Drainage Sump Pumps and Pump Pits Calculation	56	80%																																
		CCMS, TCS and ELV System																																			
		ELV-EMD1015	Authorities Review and Comment of System Design for Toll Control system	56	80%																																
		ELV-EMD1035	Authorities Review and Comment of System Design for CMCS	56	80%																																
		ELV-EMD1055	Authorities Review and Comment of System Design for other ELV systems	56	80%																																
		Major Material Submission & Approval																																			
		GEN-EMM1020	Authorities Review and Comment of Technical Info. - Miscellaneous 1st fix Materials/ Equipment	28	80%																																
		GEN-EMM1050	Authorities Review and Comment of Technical Info. - Miscellaneous 2nd fix Materials/ Equipment	28	80%																																
		GEN-EMM1080	Authorities Review and Comment of Technical Info. - Miscellaneous final fix Materials/ Equipment	28	80%																																
		MVAC System																																			
		MVAC-EMM1015	Authorities Review and Comment of Technical Info. - Chiller	56	80%																																
		MVAC-EMM1035	Authorities Review and Comment of Technical Info. - Chilled Water Pump	56	80%																																
		MVAC-EMM1075	Authorities Review and Comment of Technical Info. - Computer Room AC (CRAC) Unit	56	80%																																
		MVAC-EMM1095	Authorities Review and Comment of Technical Info. - AHU & PAU	56	80%																																
		MVAC-EMM1115	Authorities Review and Comment of Technical Info. - Staircase Pressurization Fan	56	80%																																
		Electrical System																																			
		ELE-EMM1155	Authorities Review and Comment of Technical Info. - UPS and Battery	28	80%																																
		ELE-EMM1175	Authorities Review and Comment of Technical Info. - MCB & MCCB & Distribution Board	28	80%																																
		Fire Service System																																			
		FS-EMM1015	Authorities Review and Comment of Technical Info. - FM200	56	80%																																
		FS-EMM1095	Authorities Review and Comment of Technical Info. - FR/ HR system	56	80%																																
		FS-EMM1115	Authorities Review and Comment of Technical Info. - Gas detection	56	80%																																
		Plumbing & Drainage System																																			
		PD-EMM1015	Authorities Review and Comment of Technical Info. - Sump Pump	56	80%																																
		PD-EMM1035	Authorities Review and Comment of Technical Info. - Hot Water System	56	80%																																
		PD-EMM1055	Authorities Review and Comment of Technical Info. - LMCP (PD)	56	80%																																
		Tunnel Ventilation System																																			
TVS-EMM1035	Authorities Review and Comment of Technical Info. - Pressurization Fan	56	80%																																		
TVS-EMM1155	Authorities Review and Comment of Technical Info. - MFSD	56	80%																																		
Tunnel and Road Lighting System																																					
TRLS-EMM1035	Authorities Review and Comment of Technical Info. - Road Lighting Fitting	56	80%																																		
CCMS, TCS and ELV System																																					
ELV-EMM1020	Authorities Review and Comment of Technical Info. - CMCS Equipment	56	80%																																		
Drawing Submission & Approval																																					
Satellite Control Building																																					
Individual Shop Drawing																																					
SCB-ISD1040	Authorities Review and Comment of SCB ISD 1st batch	28	80%																																		
SCB-ISD1090	Authorities Review and Comment of SCB ISD 2nd batch	28	80%																																		
Costom & Excise Department Building																																					
Individual Shop Drawing																																					
CEDB-ISD1040	Authorities Review and Comment of C&EDB ISD 1st batch	28	80%																																		
CEDB-ISD1090	Authorities Review and Comment of C&EDB ISD 2nd batch	28	80%																																		

CONTRACT NO. HY2017/10				P 4
TM-CLKL NORTHERN CONNECTION TUNNEL BUILDINGS, E&M WORKS				
THREE MONTHLY PROGRAMME AS OF 20 May 2020				
Date	Revision	Checked	Approved	
20-May-20				

	Activity	Duration (Days)	Duration % Complete	Start	Finish	Total Float	2018												2019												2020																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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CONTRACT NO. HY2017/10				P 5	Date	Revision	Checked	Approved
TM-CLKL NORTHERN CONNECTION TUNNEL BUILDINGS, E&M WORKS					20-May-20			
THREE MONTHLY PROGRAMME AS OF 20 May 2020								

ID		Activity	Duration (Days)	Duration % Complete	Start	Finish	Total Float	2018												2019												2020								
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
		2/F																																						
		TCB-EM2F1100	E&M Installation - Elv Plant Rooms - 2/F	60	85%																																			
		Testing and Commissioning																																						
		AR210	KD5 Achieved	0	0%																																			
		TCB-TC1030	Non-Essential T&C	12	50%																																			
		Remaining Works for TCB (Non-FSI related)																																						
		KD5-OSW-1000	Remaining Works (Non FSI related)	42	10%																																			
		Kiosk N1																																						
		EN140	ABWF Works (Door, windows, tiles)	30	92%																																			
		EN160	T&C	12	0%																																			
		Underpass																																						
		E&M Works at Underpass																																						
		EU120	Remaining E&M Installations	37	90%																																			
		EU130	Equipment Start-up T&C for FSI	12	100%																																			
		EU135	Individual E&M System T&C for FSI	42	100%																																			
		EU140	Integrated T&C for FSI	6	0%																																			
		EU150	Non-Essential T&C	30	0%																																			
		VU110	Jet Fans installation	24	100%																																			
		VU140	Dampers installation	24	100%																																			
		VU180	Cladding Works	25	95%																																			
		Plant Room																																						
		E&M Works																																						
		EPR130	E&M Installation	90	100%																																			
		EPR150	Equipment Start-up T&C for FSI	6	100%																																			
		EPR153	Individual E&M System T&C for FSI	18	100%																																			
		EPR155	Integrated T&C for FSI	6	0%																																			
		EPR160	Non-Essential T&C	30	0%																																			
		Approach Roads																																						
		Under Portions IX, XI, XX																																						
		AR150	T&C of Roading Lighting	30	80%																																			
		Key Date 6B - E&M Works for South Vent Duct, Tunnel, and Approach Roads																																						
		E&M Works																																						
		Service Gallery																																						
		Ch 7200 - 5000																																						
		TNL-SG1030	High Level 2nd Fix and Final Fix Installation CH7200 - 5000	46	100%																																			
		TNL-SG1040	Cabling Works CH7200 - 5000	29	100%																																			
		TNL-SG1050	Low Level 2nd Fix and Final Fix Installation CH7200 - 5000	24	100%																																			
		CH5000 - 3050																																						
		TNL-SG1090	High Level 2nd Fix and Final Fix Installation CH5000 - 3050	43	100%																																			
		TNL-SG1100	Cabling Works CH5000 - 3050	28	100%																																			
		TNL-SG1110	Low Level 2nd Fix and Final Fix Installation CH5000 - 3050	24	100%																																			
		CH3050 - 2500																																						
		TNL-SG1150	High Level 2nd Fix and Final Fix Installation CH3050 - 2500	21	100%																																			
		TNL-SG1160	Cabling Works CH3050 - 2500	13	100%																																			
		TNL-SG1170	Low Level 2nd Fix and Final Fix Installation CH3050 - 2500	11	100%																																			
		Road Level & OHVD																																						
		Ch 7200 - 5000																																						
		Ch 7200 - 6700																																						
		TNU-RL1880	High level wiring works and remaining High level works in the middle of tunnels - CH7200 to 6700	20	100%																																			
		TNU-RL1940	Final connection to small powers - CH7200 to 6700	10	100%																																			
		TNU-RL1970	Cladding works - CH7200 to 6700	13	90%																																			
		Ch 6700 - 6100																																						

CONTRACT NO. HY2017/10					P 6	Date	Revision	Checked	Approved
TM-CLKL NORTHERN CONNECTION TUNNEL BUILDINGS, E&M WORKS						20-May-20			
THREE MONTHLY PROGRAMME AS OF 20 May 2020									

ID					Activity	Duration (Days)	Duration % Complete	Start	Finish	Total Float	2018												2019												2020																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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					TNU-RL1060	High level wiring works and remaining High level works in the middle of tunnels - CH6700 to 6100	24	100%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

CONTRACT NO. HY2017/10				P 7
TM-CLKL NORTHERN CONNECTION TUNNEL BUILDINGS, E&M WORKS				
THREE MONTHLY PROGRAMME AS OF 20 May 2020				

Date	Revision	Checked	Approved
20-May-20			

[illegible]

		Activity	Duration (Days)	Duration % Complete	Start	Finish	Total Float	2018												2019												2020								
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
		SVB-EM1F1030	E&M Installation - Final fix - 1/F	25	100%																																			
		SVB-EM1F1280	E&M Installation - ELV Plant Rooms - 1/F	50	80%																																			
	2/F																																							
		SVB-EM2F1030	E&M Installation - Final fix - 2/F	25	100%																																			
		SVB-EM2F1120	E&M Installation - PD Plant Rooms - 2/F	40	80%																																			
	Testing & Commissioning																																							
		SVB-TC1030	Equipment Start-up T&C for FSI	6	100%																																			
		SVB-TC1033	Individual E&M System T&C for FSI	18	100%																																			
		SVB-TC1035	Intergrated T&C for FSI	6	100%																																			
		SVB-TC1040	Non-Essential T&C	30	5%																																			
		SVB-TC1050	KD6C Achieved	0	100%																																			
	Remaining Works for SVB (Non-FSI related)																																							
		KD6C-OSW-1000	Remaining Works (Non-FSI related)	42	10%																																			
	Key Date 6A - E&M Works for Approach Roads at North Side																																							
	Approach Roads																																							
		EAR120	Road Lighting Cabling	50	90%																																			
		EAR130	Road Ligting Installation & Termination	50	80%																																			
		EAR140	T&C & Miscellaneous Works for Statutory Inspection	12	50%																																			
	Tunnel																																							
	CH7200 - 7300																																							
		TNL-09CL5610	T&C & Miscellaneous Works for Statutory Inspection - CH 7300 to 7200	30	100%																																			
		TNU-RL2020	FH/ HR pipe installation - CH7200 to 7300	4	100%																																			
		TNU-RL2070	Low level works - FS nicle module - CH7200 to 7300	4	100%																																			
		TNU-RL2080	Low level works - FS nicle connection - CH7200 to 7300	4	100%																																			
		TNU-RL2090	Final connection to small powers - CH7200 to 7300	4	90%																																			
	TNU-RL2100	Cladding works - CH7200 to 7300	5	70%																																				
Remaining Works for Tunnel (CH7300 - 7200)																																								
	KD6A-OSW-1000	Remaining Works (Non FSI related)	98	5%																																				
Key Date 10 - FSD Building Structure & E&M Works																																								
ABWF Works																																								
	AFSD1010	Door and Window Frames	19	80%																																				
	AFSD1020	ABWF Works to Plant Rooms G/F	56	99%																																				
	AFSD1021	ABWF Works to Plant Rooms 1/F	56	99%																																				
	AFSD1030	ABWF Works to Office and Corridors G/F	124	99%																																				
	AFSD1031	ABWF Works to Office and Corridors 1/F	124	99%																																				
	AFSD1040	ABWF Works to Toilets G/F	136	99%																																				
	AFSD1060	External Cladding and Wall Plastering	101	88%																																				
	AFSD1070	ABWF second fix & final fix	73	78%																																				
E&M Works																																								
Installation																																								
G/F																																								
	FSDB-EMGF1020	E&M Installation - 2nd fix - G/F	40	95%																																				

CONTRACT NO. HY2017/10				P 9	Date	Revision	Checked	Approved
TM-CLKL NORTHERN CONNECTION TUNNEL BUILDINGS, E&M WORKS					20-May-20			
THREE MONTHLY PROGRAMME AS OF 20 May 2020								

ID		Activity	Duration (Days)	Duration % Complete	Start	Finish	Total Float	2018												2019												2020								
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
		FSDB-EM1F1070	E&M Installation - LV Switch Room - 1/F	55	98%																																			
		FSDB-EM1F1090	Sub-Circuit Power On - LV Switch Room - 1/F	0	0%																																			
		FSDB-EM1F1120	E&M Installation - FS Plant Rooms - 1/F	60	98%																																			
		FSDB-EM1F1140	E&M Installation - PD Plant Rooms - 1/F	60	85%																																			
		Roof																																						
		FSDB-EMRF1010	E&M Installation - 1st fix - Roof	20	80%																																			
		FSDB-EMRF1020	E&M Installation - 2nd fix - Roof	20	50%																																			
		FSDB-EMRF1030	E&M Installation - Final fix - Roof	20	15%																																			
		Testing and Commissioning																																						
		FSDB-TC1000	T&C for Subcircuit Power On	12	0%																																			
		FSDB-TC1020	Equipment Start-up T&C for FSI	6	0%																																			
		FSDB-TC1023	Individual E&M System T&C for FSI	32	0%																																			
		FSDB-TC1025	Intergrated T&C for FSI	6	0%																																			
		FSDB-TC1030	Non-Essential T&C	30	0%																																			
		Statutory Inspections and approvals																																						
		FSDB-SI1040	Submit WWO46 Part IV for PD	0	0%																																			
		FSDB-SI1050	Submit WWO46 Part IV for FS	0	0%																																			
		FSDB-SI1060	WSD inspection of Plumbing Installation (PL)	4	0%																																			
		FSDB-SI1070	WSD inspection of Plumbing Installation (FS)	4	0%																																			
		FSDB-SI1080	Water Samples Test	24	0%																																			
		FSDB-SI1090	Obtain Water Certificate and water supply connection - FS	4	0%																																			
		FSDB-SI1110	Final Submission of Form FSI 314 / 501 to FSD	0	0%																																			
		Key Date 7A - E&M Works for Approach Roads at South Side																																						
		Approach Roads																																						
		EAR180	Road Lighting Cabling (Via)	18	35%																																			
		EAR190	Road Ligting Installation & Termination	18	15%																																			
		EAR200	T&C	12	0%																																			
		Tunnel																																						
		EAR340	KD7AAchieved	0	100%																																			
		CH2500 - 2115																																						
		TNU-RL3000	Bracket fixing on side wall - CH2500 to 2115	3	0%																																			
		TNU-RL3060	High level wiring works & remaining High level works in tunnel middle - CH2500 to 2115	12	100%																																			
		TNU-RL3070	Low level works - FS nicle module - CH2500 to 2115	4	100%																																			
		TNU-RL3080	Low level works - FS nicle connection - CH2500 to 2115	4	100%																																			
		TNU-RL3090	Final connection to small powers - CH2500 to 2115	4	100%																																			
		TNU-RL3100	Cladding works - CH2500 to 2115	4	0%																																			
		CH2115 - 1800																																						
		TNU-RL3240	Bracket fixing on side wall - CH2115 to 1800	3	0%																																			
		TNU-RL3260	FH/ HR pipe installation - CH2115 to 1800	6	100%																																			
		TNU-RL3290	High level wiring works & remaining High level works in tunnel middle - CH2115 to 1800	12	100%																																			
		TNU-RL3300	Low level works - FS nicle module - CH2115 to 1800	4	100%																																			
		TNU-RL3310	Low level works - FS nicle connection - CH2115 to 1800	4	100%																																			
		TNU-RL3330	Final connection to small powers - CH2115 to 1800	4	100%																																			
		TNU-RL3340	Cladding works - CH2115 to 1800	4	0%																																			
		T&C																																						
		TNL-10TC1130	T&C for Tunnel Lighting - CH 2500 to 1800 (FSI related)	37	100%																																			
		TNL-10TC1140	T&C for other Tunnel Services - CH 2500 to 1800 (FSI related)	19	100%																																			
		TNL-10TC1150	T&C for Tunnel Ventilation System - CH 2500 to 1800 (FSI related)	19	100%																																			
		TNL-10TC1160	T&C for MSFD - CH 2500 to 1800 (FSI related)	19	100%																																			
		Remaining Works for Tunnel (CH2500 - 1800)																																						
		A1010	Remaining Works (Non FSI related)	98	5%																																			
		Key Date 9 - C&ED Building & E&M Works																																						
		ABWF Works																																						
		ACED1010	Door and Window Frames	48	50%																																			
		ACED1020	ABWF Works to Plant Rooms G/F	60	95%																																			
		ACED1021	ABWF Works to Plant Rooms 1/F	60	85%																																			

ID		Activity	Duration (Days)	Duration % Complete	Start	Finish	Total Float	2018												2019												2020								
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
		ACED1022	ABWF Works to Plant Rooms 2/F	60	85%																																			
		ACED1023	ABWF Works to Plant Rooms 3/F	60	85%																																			
		ACED1030	ABWF Works to Office and Corridors G/F	133	95%																																			
		ACED1031	ABWF Works to Office and Corridors 1/F	118	85%																																			
		ACED1032	ABWF Works to Office and Corridors 2/F	130	85%																																			
		ACED1033	ABWF Works to Office and Corridors 3/F	92	85%																																			
		ACED1040	ABWF Works to Toilets G/F	142	95%																																			
		ACED1041	ABWF Works to Toilets 2/F	142	85%																																			
		ACED1042	ABWF Works to Toilets 3/F	98	85%																																			
		ACED1060	External Cladding and Wall Plastering	97	50%																																			
		ACED1070	ABWF second fix & final fix	69	20%																																			
E&M Works																																								
Installation																																								
G/F																																								
		C&EDB-GF1010	E&M Installation - 1st fix - G/F	40	95%																																			
		C&EDB-GF1020	E&M Installation - 2nd fix - G/F	40	65%																																			
		C&EDB-GF1030	E&M Installation - Final fix - G/F	40	45%																																			
		C&EDB-GF1060	Inspection & Handover to CLP	6	100%																																			
		C&EDB-GF1070	Installation by CLP - CLP Tx Room - G/F	82	71.95%																																			
		C&EDB-GF1080	Wiring Inspection with CLP	12	0%																																			
		C&EDB-GF1090	Power On Energization by CLP	0	0%																																			
		C&EDB-GF1120	E&M Installation - Generator & Fuel Tank Rooms - G/F	90	80%																																			
		C&EDB-GF1140	E&M Installation - FS Plant Rooms - G/F	90	50%																																			
		C&EDB-GF1160	E&M Installation - Elv Plant Rooms - G/F	90	35%																																			
1/F																																								
		C&EDB-1F1010	E&M Installation - 1st fix - 1/F	40	90%																																			
		C&EDB-1F1020	E&M Installation - 2nd fix - 1/F	40	50%																																			
		C&EDB-1F1030	E&M Installation - Final fix - 1/F	40	20%																																			
		C&EDB-1F1050	E&M Installation - LV Switch Room - 1/F	60	90%																																			
		C&EDB-1F1060	Cable laying - LV Switch Room - from 1/F	44	0%																																			
		C&EDB-1F1070	Sub-Circuit Power On - LV Switch Room - 1/F	0	0%																																			
		C&EDB-1F1090	E&M Installation - Electrical Plant Rooms - 1/F	90	70%																																			
2/F																																								
		C&EDB-2F1010	E&M Installation - 1st fix - 2/F	40	80%																																			
		C&EDB-2F1020	E&M Installation - 2nd fix - 2/F	40	48%																																			
		C&EDB-2F1030	E&M Installation - Final fix - 2/F	40	20%																																			
		C&EDB-2F1060	E&M Installation - Electrical Plant Rooms - 2/F	90	70%																																			
		C&EDB-2F1080	E&M Installation - FS Plant Rooms - 2/F	90	50%																																			
		C&EDB-2F1100	E&M Installation - Elv Plant Rooms - 2/F	90	25%																																			
3/F																																								
		C&EDB-3F1010	E&M Installation - 1st fix - 3/F	30	80%																																			
		C&EDB-3F1020	E&M Installation - 2nd fix - 3/F	30	45%																																			
		C&EDB-3F1030	E&M Installation - Final fix - 3/F	30	15%																																			
		C&EDB-3F1060	E&M Installation - Electrical Plant Rooms - 3/F	84	35%																																			
		C&EDB-3F1080	E&M Installation - MVAC Plant Rooms - 3/F	84	60%																																			
		C&EDB-3F1100	E&M Installation - FS Plant Rooms - 3/F	80	60%																																			
		C&EDB-3F1120	E&M Installation - PD Plant Rooms - 3/F	60	50%																																			
Roof																																								
		C&EDB-RF1010	E&M Installation - 1st fix - Roof	30	40%																																			
		C&EDB-RF1020	E&M Installation - 2nd fix - Roof	25	15%																																			
		C&EDB-RF1030	E&M Installation - Final fix - Roof	20	0%																																			
Lift Installation																																								

ID		Activity	Duration (Days)	Duration % Complete	Start	Finish	Total Float	2018												2019												2020											
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep							
		C&EDB-TC1000	T&C for Subcircuit Power On	16	0%																																						
		C&EDB-TC1010	T&C for DG Licence	6	0%																																						
		C&EDB-TC1020	Equipment Start-up T&C for FSI	6	0%																																						
		Statutory Inspections and approvals																																									
		C&EDB-SI1010	DG Submission & Vent/425 to FSD	0	100%																																						
		C&EDB-SI1020	DG Inspection by FSD	36	0%																																						
		C&EDB-SI1040	Submit WWO46 Part IV for PD	0	0%																																						
		C&EDB-SI1050	Submit WWO46 Part IV for FS	0	0%																																						
		C&EDB-SI1060	WSD inspection of Plumbing Installation (PL)	4	0%																																						
		C&EDB-SI1070	WSD inspection of Plumbing Installation (FS)	4	0%																																						
		C&EDB-SI1080	Water Samples Test	24	0%																																						
		C&EDB-SI1090	Obtain Water Certificate and water supply connection - FS	4	0%																																						
		Key Date 11 - Landscape Soft Works & Trees Protection																																									
		Landscape Soft Works																																									
		SL110	Works Substantially Completed at North Side (KD6A)	0	0%																																						
		SL120	Landscape Soft Works at North Side (wet season)	122	25%																																						
		SL130	Works Substantially Completed at South Side (KD7A)	0	0%																																						
		SL140	Landscape Soft Works at South Side (wet season)	102	0%																																						
		Trees Protection																																									
		SL202	Protection Existing Trees & Submit Report with Photographic Record No.13	41	90.24%																																						
		SL203	Protection Existing Trees & Submit Report with Photographic Record No.14	41	0%																																						
		SL204	Protection Existing Trees & Submit Report with Photographic Record No.15	40	0%																																						
		Key Date 8 - All Works for Tunnel Comissioning & Opening																																									
		Petrol Filling Station																																									
		Structure																																									
		PS140	Petrol Filling Station Roof	14	0%																																						
		PS180	Concrete Plinth	12	0%																																						
		E&M Works																																									
		EPS110	Miscellaneous ABWF Works	42	0%																																						
		EPS130	E&M Installation	30	0%																																						
		EPS140	T&C	12	0%																																						
		Statutory Inspections and approvals																																									
		Administration Building																																									
		ADB-SI1010	Submit WWO46 Part IV for PD	0	0%																																						
		ADB-SI1030	WSD inspection of Plumbing Installation (PL)	4	0%																																						
		ADB-SI1060	Obtain Water Certificate and water supply connection - FS	4	0%																																						
		ADB-SI1070	Obtain Water Certificate and water supply connection - PL	4	0%																																						
		ADB-SI1110	Submit CT2B	0	0%																																						
		ADB-SI1120	EMSD examines site acceptance report and acceptance	36	0%																																						
		ADB-SI1130	Submit WWO46 part IV for CT plumbing works	0	0%																																						
ADB-SI1140	WSD inspection and water connection for CT plumbing works	6	0%																																								
Maintenance Depot																																											
MD-SI1040	Submit WWO46 Part IV for PD	0	0%																																								
MD-SI1060	WSD inspection of Plumbing Installation (PL)	4	0%																																								
MD-SI1090	Obtain Water Certificate and water supply connection - FS	4	0%																																								
MD-SI1100	Obtain Water Certificate and water supply connection - PL	4	0%																																								
North Ventilation Building																																											
NVB-SI1090	Submit WWO46 Part IV for PD	0	0%																																								
NVB-SI1110	WSD inspection of Plumbing Installation (PL)	4	0%																																								

ID		Activity	Duration (Days)	Duration % Complete	Start	Finish	Total Float	2018												2019												2020								
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
		VUP-SI1080	WSD inspection of Plumbing Installation (FS)	4	100%																																			
		VUP-SI1095	Obtain Water Certificate and water supply connection - FS	4	0%																																			
		VUP-SI2000	Final Submission of Form FSI 314 / 501 to FSD	0	0%																																			
		VUP-SI2010	FSD Inspection	42	0%																																			
		VUP-SI2020	Obtain FSI Certificate FS 172	0	0%																																			
		Toll Control Building & Toll Collector Subway																																						
		TCB-SI2000	Submit WWO46 Part IV for PD	0	0%																																			
		TCB-SI2020	WSD inspection of Plumbing Installation (PL)	4	0%																																			
		TCB-SI2030	WSD inspection of Plumbing Installation (FS)	4	50%																																			
		TCB-SI2040	Water Samples Test	24	0%																																			
		TCB-SI2045	Obtain Water Certificate and water supply connection - FS	4	0%																																			
		TCB-SI2050	Obtain Water Certificate and water supply connection - PL	4	0%																																			
		TCB-SI3000	Submit CT2B	0	0%																																			
		TCB-SI3010	EMSD examines site acceptance report and acceptance	36	0%																																			
		TCB-SI3020	Submit WWO46 part IV for CT plumbing works	0	0%																																			
		TCB-SI3030	WSD inspection and water connection for CT plumbing works	4	0%																																			
		TCB-SI4020	Obtain FSI Certificate FS 172	0	0%																																			
		Satellite Control Building																																						
		SCB-SI1030	Obtain DG Licence	0	100%																																			
		SCB-SI1040	Submit WWO46 Part IV for PD	0	0%																																			
		SCB-SI1050	Submit WWO46 Part IV for FS	0	0%																																			
		SCB-SI1060	WSD inspection of Plumbing Installation (PL)	4	0%																																			
		SCB-SI1070	WSD inspection of Plumbing Installation (FS)	4	0%																																			
		SCB-SI1080	Water Samples Test	24	0%																																			
		SCB-SI1090	Obtain Water Certificate and water supply connection - FS	1	0%																																			
		SCB-SI1100	Obtain Water Certificate and water supply connection - PL	1	0%																																			
		SCB-SI1110	Final Submission of Form FSI 314 / 501 to FSD	0	0%																																			
		SCB-SI1120	FSD Inspection	29	0%																																			
		South Ventilation Building																																						
		SVB-SI1090	Submit WWO46 Part IV for PD	0	0%																																			
		SVB-SI1110	WSD inspection of Plumbing Installation (PL)	4	0%																																			
		SVB-SI1120	WSD inspection of Plumbing Installation (FS)	4	0%																																			
		SVB-SI1130	Water Samples Test	24	0%																																			
		SVB-SI1135	Obtain Water Certificate and water supply connection - FS	4	0%																																			
		SVB-SI1140	Obtain Water Certificate and water supply connection - PL	4	0%																																			
		SVB-SI2000	Final Submission of Form FSI 314 / 501 to FSD	0	100%																																			
		SVB-SI2010	FSD Inspection	13	50%																																			
		SVB-SI2020	Obtain FSI Certificate FS 172	0	0%																																			
		Tunnel																																						
		TNL-10TC2000	Submit FS Form 501	0	100%																																			
TNL-10TC2010	FSD inspection & re-inspection	42	0%																																					
TNL-10TC2020	Obtain Fire Certificate	0	0%																																					
Others Works for Road Opening																																								
OW110	Works Substantially Completed at North Side	0	0%																																					
OW120	Hard Landscaping Works & Irrigation Systems	96	0%																																					
OW130	Street Furniture	96	0%																																					
OW135	All T&C Completed	0	0%																																					
OW140	Toll Collection System Test	70	0%																																					
OW145	ELV System Test	70	0%																																					
OW155	Interfacing T&C with C5	70	0%																																					