

Appendix B

Construction Programme

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		
HY2017/10 - Works Programme Three Month Rolling Programme 20-Nov-19																																					
Contract Dates																																					
Key Dates																																					
KD03	KD03 - Satellite Control Bldg & TCSS Provision	0	0%																																		
KD05	KD05 - E&M for Toll Area,N1,Underpass,Plant Rm,Footbridges/Roads	0	0%																																		
KD06	KD06 - E&M for Admin Bldg, Depot, Training Ground, N Vent Bldg, N2	0	0%																																		
KD06C	KD06C - E&M for South Vent Building	0	0%																																		
Portion Access Dates																																					
P360	Access to Portion IVa (ML02)	0	100%	30-Oct-19 A																																	
P365	Access to Portion IVa (ML03)	0	0%	30-Nov-19																																	
P380	Access to Portion XVIII	0	100%	30-Oct-19 A																																	
P390	Access to Portion Va	0	0%	02-Dec-19																																	
P400	Access to Portion Vb	0	100%	30-Oct-19 A																																	
P410	Access to Portion Vd	0	100%	30-Oct-19 A																																	
P420	Access to Portion II - 8 Jan 2020	0	0%	08-Jan-20*																																	
P430	Access to Portion VId (Day 641)	0	0%	06-Feb-20																																	
P440	Access to Portion IVb	0	0%	30-Nov-19																																	
P450	Access to Portion IVc	0	0%	30-Jan-20																																	
Portion Possession Dates																																					
P325	Possession to Portion XXII (Day 483)	0	0%	20-Nov-19																																	
P335	Possession to Portion XXIII (Day 483)	0	0%	20-Nov-19																																	
P345	Possession to Portion VIb (Day 483)	0	0%	20-Nov-19																																	
P355	Possession to Portion VII	0	0%	30-Nov-19																																	
Portion Handover Dates																																					
H110	Vacate Portion XVIIb (Day 137 after Possession)	0	0%																																		
Major Design Submission & Approval																																					
Toll Control Building																																					
MVAC System																																					
TCB-EMD1095	Authorities Review and Comment of AHU/PAU Static Pressure Calculation	56	50%	23-Aug-18 A																																	
TCB-EMD1115	Authorities Review and Comment of MVAC Pump head calculation	56	50%	23-Aug-18 A																																	
Electrical System																																					
TCB-EMD1015	Authorities Review and Comment of UPS and Battery Capacity Calculations	56	50%	22-Aug-18 A																																	
TCB-EMD1055	Authorities Review and Comment of Generator Calculation	56	50%	15-Aug-18 A																																	
Fire Service System																																					
TCB-EMD1175	Authorities Review and Comment of FS Pump Head Calculation	56	50%	01-Aug-18 A																																	
TCB-EMD1195	Authorities Review and Comment of Sprinkler Pump Head Calculation	56	50%	14-Aug-18 A																																	
TCB-EMD1215	Authorities Review and Comment of FM200 System Design Calculation	56	50%	13-Aug-18 A																																	
Plumbing & Drainage System																																					
TCB-EMD1235	Authorities Review and Comment of Pump Head Calculation	56	50%	07-Aug-18 A																																	
TCB-EMD1275	Authorities Review and Comment of Hot water system capacity calculation	56	50%	07-Aug-18 A																																	
TCB-EMD1395	Authorities Review and Comment of Drainage Sump Pumps and Pump Pits Calculation	56	50%	23-Jul-18 A																																	
Administration Building																																					
MVAC System						</																															

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P 2	Date	Revision	Checked	Approved
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P 7	Date	Revision	Checked	Approved
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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														
VU-MD1060	Manufacture - CMCS Equipment	62	100%	20-May-19 A																																													
VU-MD1062	FAT - CMCS Equipment	7	100%	19-Aug-19 A																																													
VU-MD1065	Shipping to HK - CMCS Equipment	21	50%	13-Nov-19 A																																													
VU-MD1070	Manufacture & Delivery to HK - other ELV Equipment	90	87.78%	18-Jun-19 A																																													
Tunnel																																																	
TUN-MD1009	Manufacture - Tunnel Lighting System (4th Batch)	90	84.44%	20-Jun-19 A																																													
TUN-MD1015	Manufacture & Delivery to HK - Gas detection	90	80%	11-Oct-19 A																																													
TUN-MD1030	Manufacture & Delivery to HK - FS Pump	60	73.33%	20-Jul-19 A																																													
TUN-MD1040	Manufacture - CMCS Equipment	62	100%	20-May-19 A																																													
TUN-MD1042	FAT - CMCS Equipment	21	100%	19-Aug-19 A																																													
TUN-MD1045	Shipping to HK - CMCS Equipment	7	50%	13-Nov-19 A																																													
TUN-MD1050	Manufacture & Delivery to HK - other ELV Equipment	90	93.33%	18-Jun-19 A																																													
TUN-MD1060	Manufacture & Delivery to HK - Sump Pump	109	83.49%	11-Oct-19 A																																													
TUN-MD1070	Manufacture - AQMS Equipment	69	85%	20-May-19 A																																													
TUN-MD1090	Shipping to HK - AQMS Equipment	7	0%	26-Sep-19 A																																													
Approach Road																																																	
AR-MD1000	Manufacture & Delivery to HK - Road Lighting Fitting	90	92.22%	21-Mar-19 A																																													
AR-MD1010	Manufacture - CMCS Equipment	62	100%	20-May-19 A																																													
AR-MD1015	FAT - CMCS Equipment	7	100%	30-Oct-19 A																																													
AR-MD1018	Shipping to HK - CMCS Equipment	14	100%	31-Oct-19 A																																													
AR-MD1020	Manufacture & Delivery to HK - other ELV Equipment	83	86.75%	18-Jun-19 A																																													
Key Date 1 - Toll Control Building (TCB) & TCSS Provision																																																	
ABWF Works (for All)																																																	
ATCB1010	Door and Window Frames	82	93.9%	04-Mar-19 A																																													
ATCB1120	External Cladding and Wall Plastering	94	89%	01-Apr-19 A																																													
ATCB1130	ABWF second fix & final fix	90	45%	27-Aug-19 A																																													
Key Date 2 - Administration Building, Maintenance Depot, Kiosk N2, TCSS Provision																																																	
Administration Building (ADB)																																																	

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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											
TNL-SG1080	Ceiling Mounted Module Installation CH5000 - 3050	30	69%	30-May-19 A																																										
TNL-SG1090	High Level 2nd Fix and Final Fix Installation CH5000 - 3050	43	10%	15-Oct-19 A																																										
TNL-SG1100	Cabling Works CH5000 - 3050	28	0%	20-Jan-20																																										
TNL-SG1110	Low Level 2nd Fix and Final Fix Installation CH5000 - 3050	24	0%	25-Feb-20																																										
CH3050 - 2500																																														
TNL-SG1120	Drilling works CH3050 - 2500	3	30%	17-Jul-19 A																																										
TNL-SG1130	Wall Mounted Pipe Module Installation CH3050 - 2500	12	30%	24-Jul-19 A																																										
TNL-SG1140	Ceiling Mounted Module Installation CH3050 - 2500	12	30%	31-Jul-19 A																																										
TNL-SG1160	Cabling Works CH3050 - 2500	13	0%	25-Feb-20																																										
Road Level & OHVD																																														
Ch 7200 - 5000																																														
Ch 7200 - 6700																																														
TNU-RL1800	FH/ HR pipe installation - CH7200 to 6700	8	95%	02-Apr-19 A																																										
TNU-RL1880	High level wiring works and remaining High level works in the middle of tunnels - CH7200 to 6700	20	60%	22-Jul-19 A																																										
TNU-RL1910	Low level works - FS nicle module - CH7200 to 6700	10	80%	18-Sep-19 A																																										
TNU-RL1930	Low level works - FS nicle connection - CH7200 to 6700	10	50%	21-Oct-19 A																																										
TNU-RL1940	Final connection to small powers - CH7200 to 6700	10	0%	03-Dec-19																																										
TNU-RL1970	Cladding works - CH7200 to 6700	13	0%	14-Dec-19 A																																										
Ch 6700 - 6100																																														
TNU-RL1010	Lighting in the middle of tunnels - CH6700 to 6100	9	100%	11-Jun-19 A																																										
TNU-RL1030	Cabling Works on Brackets - CH6700 to 6100	17	78%	16-Apr-19 A																																										
TNU-RL1040	MSFD delivery in OHVD - CH6700 to 6100	11	95%	18-May-19 A																																										
TNU-RL1050	MSFD installation works in OHVD - CH6700 to 6100	11	95%	18-May-19 A																																										
TNU-RL1060	High level wiring works and remaining High level works in the middle of tunnels - CH6700 to 6100	24	40%	22-Jul-19 A																																										
TNU-RL1070	Low level works - FS nicle module - CH6700 to 6100	12	80%	21-Oct-19 A																																										
TNU-RL1080	Low level works - FS nicle connection - CH6700 to 6100	12	50%	28-Oct-19 A																																										
TNU-RL1090	Final connection to small powers - CH6700 to 6100	10	0%	20-Dec-19																																										
TNU-RL1100	Cladding works - CH6700 to 6100	15	0%	04-Jan-20																																										
Ch 6100 - 5600																																														
TNU-RL1140	Cabling Works on Brackets - CH6100 to 5600	1																																												

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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-1F1040	ABWF Works ready for E&M Mobilization to LV Switch Room - 1/F	0	0%	21-Jan-20																							♦											
C&EDB-1F1050	E&M Installation - LV Switch Room - 1/F	60	0%	21-Jan-20																																		
C&EDB-1F1080	ABWF Works ready for E&M Mobilization to Electrical Plant Rooms - 1/F	0	0%	21-Jan-20																							♦											
C&EDB-1F1090	E&M Installation - Electrical Plant Rooms - 1/F	90	0%	21-Jan-20																																		
2/F																																						
C&EDB-2F1000	ABWF Works ready for E&M Mobilization to General Areas - 2/F	0	0%	21-Feb-20																							♦											
C&EDB-2F1010	E&M Installation - 1st fix - 2/F	40	0%	21-Feb-20																																		
C&EDB-2F1050	ABWF Works ready for E&M Mobilization to Electrical Plant Rooms - 2/F	0	0%	21-Feb-20																							♦											
C&EDB-2F1060	E&M Installation - Electrical Plant Rooms - 2/F	90	0%	21-Feb-20																																		
C&EDB-2F1070	ABWF Works ready for E&M Mobilization to FS Plant Rooms - 2/F	0	0%	21-Feb-20																							♦											
C&EDB-2F1080	E&M Installation - FS Plant Rooms - 2/F	90	0%	21-Feb-20																																		
C&EDB-2F1090	ABWF Works ready for E&M Mobilization to Elv Plant Rooms - 2/F	0	0%	21-Feb-20																							♦											
C&EDB-2F1100	E&M Installation - Elv Plant Rooms - 2/F	90	0%	21-Feb-20																																		
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	0%	20-Feb-20																																		
Trees Protection																																						
SL198	Protection Existing Trees & Submit Report with Photographic Record No.9	41	78.05%	15-Sep-19 A																																		
SL199	Protection Existing Trees & Submit Report with Photographic Record No.10	41	0%	30-Nov-19																																		
SL200	Protection Existing Trees & Submit Report with Photographic Record No.11	41	0%	21-Jan-20																																		
Key Date 8 - All Works for Tunnel Comissioning & Opening																																						
Petrol Filling Station																																						
Structure																																						
PS120	Excavation	20	0%	20-Nov-19																																		
PS130	Footing	20	0%	13-Dec-19																																		
PS140	Petrol Filling Station Roof	14	0%	09-Jan-20																																		
PS150	Structure for Petrol Filling Station	36	0%	09-Jan-20																																		
PS160	Underground Fuel Tank Structure	36	0%	09-Jan-20																																		
PS170	Backfilling	20	0%	24-Feb-20																																		
E&M Works																																						
EPS110	Miscellaneous ABWF Works	42	0%	24-Feb-20																																		
EPS120	Fuel Tank/Fuel Pipe System Installation	42	0%	24-Feb-20																																		
Statutory Inspections and approvals																																						
Administration Building																																						
ADB-SI1010	Submit WWO46 Part IV for PD	0	0%	31-Dec-19																							♦											
ADB-SI1030	WSD inspection of Plumbing Installation (PL)	4	0%	10-Jan-20																																		

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