

ID	Activity	Days	Start	Finish	2018 Dec 7	2018 Dec 24	2019 Jan 31	2019 Feb 07	2019 Feb 14	2019 Feb 21	2019 Feb 28	2019 Mar 04	2019 Mar 11	2019 Mar 18	2019 Mar 25	2019 Apr 01	2019 Apr 08	2019 Apr 15
Three Monthly Programme 20/01/19 - 20/04/19																		
Contract Dates																		
Key Dates																		
KD04A	KD4A - C&ED & FSD Substructure, Boundary Wall, ELS Removal	0		30-Mar-19*														
Portion Access Dates																		
P230	Access to Portion X (Day 240)	0	01-Jan-19 A															
P240	Access to Portion I (Day 329)	0	31-Mar-19															
Portion Possession Dates																		
P225	Possession to Portion XVa (Day 236)	0	28-Dec-18 A															
P235	Possession to Portion XVIa (Day 236)	0	28-Dec-18 A															
Method Statements																		
Maintenance Depot																		
MS1220	ICE & ER Approval of MS for Maintenance Depot (E&M)	12	12-Dec-18 A	28-Dec-18 A														
Custom & Excise Department Building																		
MS1230	Prepare & Submit MS for C&ED Building (E&M)	24	12-Dec-18 A	12-Jan-19 A														
MS1240	ICE & ER Approval of MS for C&ED Building (E&M)	12	14-Jan-19 A	26-Jan-19														
Fire Services Department Building																		
MS1110	Prepare & Submit MS for Fire Services Building (Civil)	24	28-Nov-18 A	28-Dec-18 A														
MS1120	ICE & ER Approval of MS for Fire Services Building (Civil)	12	29-Dec-18 A	12-Jan-19 A														
MS1250	Prepare & Submit MS for Fire Services Building (E&M)	24	14-Jan-19 A	13-Feb-19														
MS1260	ICE & ER Approval of MS for Fire Services Building (E&M)	12	14-Feb-19	27-Feb-19														
Satellite Control Building																		
MS1130	Prepare & Submit MS for Satellite Control Building (Civil)	24	29-Dec-18 A	26-Jan-19														
MS1140	ICE & ER Approval of MS for Satellite Control Building (Civil)	12	28-Jan-19	13-Feb-19														
MS1270	Prepare & Submit MS for Satellite Control Building (E&M)	24	14-Feb-19	13-Mar-19														
MS1280	ICE & ER Approval of MS for Satellite Control Building (E&M)	12	14-Mar-19	27-Mar-19														
E&M Design																		
Section A - Tunnel Ventilation System																		
A025	Tunnel Ventilation Fan Pressure Calculations - Approval	28	28-Nov-18 A	25-Dec-18 A														
A030	Acoustic Calculations	60	28-Nov-18 A	26-Jan-19														
A035	Acoustic Calculations - Approval	28	27-Jan-19	23-Feb-19														

THREE MONTHLY ROLLING PROGRAMME

HY/2017/10 TM-CLKL - Northern Connection Tunnel Buildings, Electrical and Mechanical Works

20/01/19 - 20/04/19

Date	Revision	Checked	Approved
20-Jan-			

ID	Activity	Days	Start	Finish	2018	2019																	
					Dec 7	24	January				February				March				April				
							31	07	14	21	28	04	11	18	25	04	11	18	25	01	08	15	
A070	Design Proposal of Power Loading Assessment of TVS	60	02-Dec-18 A	30-Jan-19																			
A075	Design Proposal of Power Loading Assessment of TVS - Approval	28	31-Jan-19	27-Feb-19																			
A100	TVS -Cable Sizing and Voltage Drop for TVFs	60	18-Dec-18 A	15-Feb-19																			
A105	TVS -Cable Sizing and Voltage Drop for TVFs - Approval	28	16-Feb-19	15-Mar-19																			
A110	TVS -Structural Calculation -Fan Support	60	15-Jan-19 A	15-Mar-19																			
A115	TVS -Structural Calculation -Fan Support - Approval	28	16-Mar-19	12-Apr-19																			
A120	TVS -Structural Calculation -Duct Support	60	15-Jan-19 A	15-Mar-19																			
A125	TVS -Structural Calculation -Duct Support - Approval	28	16-Mar-19	12-Apr-19																			
A130	TVS -Structural Calculation -Ceiling Mounted Fan Supports	60	15-Jan-19 A	15-Mar-19																			
A135	TVS -Structural Calculation -Ceiling Mounted Fan Supports - Approval	28	16-Mar-19	12-Apr-19																			
A140	TVS -Structural Calculation -Vertical Fan Supports	60	15-Jan-19 A	15-Mar-19																			
A145	TVS -Structural Calculation -Vertical Fan Supports - Approval	28	16-Mar-19	12-Apr-19																			
A150	TVS -Structural Calculation -Horizontal Air Duct Supports	60	15-Jan-19 A	15-Mar-19																			
A155	TVS -Structural Calculation -Horizontal Air Duct Supports - Approval	28	16-Mar-19	12-Apr-19																			
A165	Tunnel Cable Sizing and Voltage Drop Verification - Approval	30	05-Dec-18 A	03-Jan-19 A																			
A170	Tunnel Cable Containment Calculation	60	03-Nov-18 A	01-Jan-19 A																			
A175	Tunnel Cable Containment Calculation - Approval	30	02-Jan-19 A	31-Jan-19																			
Section B - Tunnel Lighting and Road Lighting System																							
B055	Design Proposal of Road / Street Lighting System - Approval	30	26-Nov-18 A	25-Dec-18 A																			
B060	Road Lighting Lux Calculation	60	17-Nov-18 A	15-Jan-19 A																			
B065	Road Lighting Lux Calculation - Approval	30	16-Jan-19 A	14-Feb-19																			
Section C - Building Services of MVAC System																							
TCB																							
C035	TCB -Pump head calculation - Approval	28	02-Dec-18 A	29-Dec-18 A																			
C065	TCB -Acoustic Performance Calculation - Approval	28	29-Nov-18 A	26-Dec-18 A																			
ADB																							
C120	ADB -Acoustic Performance Calculation	60	08-Nov-18 A	06-Jan-19 A																			
C125	ADB -Acoustic Performance Calculation - Approval	28	07-Jan-19 A	03-Feb-19																			
NVB																							
C150	NVB -Fan Static Pressure Calculation	60	25-Oct-18 A	23-Dec-18 A																			
C155	NVB -Fan Static Pressure Calculation - Approval	28	24-Dec-18 A	20-Jan-19																			

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HY/2017/10 TM-CLKL - Northern Connection Tunnel Buildings, Electrical and Mechanical Works

20/01/19 - 20/04/19

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Date	Revision	Checked	Approved
20-Jan-			

ID	Activity	Days	Start	Finish	2018	2019																
					December		January				February				March				April			
					7	24	31	07	14	21	28	04	11	18	25	04	11	18	25	01	08	15
SVB																						
C190	SVB -AC Cooling Capacity Calculation	60	03-Mar-19*	01-May-19																		
C200	SVB -Mechanical Ventilation Capacity Calculation	60	04-Apr-19*	02-Jun-19																		
C240	SVB -Staircase Pressurization System Calculation	60	19-Jan-19 A	19-Mar-19																		
C245	SVB -Staircase Pressurization System Calculation - Approval	28	20-Mar-19	16-Apr-19																		
CEDB																						
C250	CEDB -AC Cooling Capacity Calculation	60	09-Nov-18 A	07-Jan-19 A																		
C255	CEDB -AC Cooling Capacity Calculation - Approval	28	08-Jan-19 A	04-Feb-19																		
C260	CEDB -Mechanical Ventilation Capacity Calculation	60	11-Dec-18 A	08-Feb-19																		
C265	CEDB -Mechanical Ventilation Capacity Calculation - Approval	28	09-Feb-19	08-Mar-19																		
C270	CEDB -Fan Static Pressure Calculation	60	22-Jan-19*	22-Mar-19																		
C275	CEDB -Fan Static Pressure Calculation - Approval	28	23-Mar-19	19-Apr-19																		
C280	CEDB -Acoustic Performance Calculation	60	26-Mar-19*	24-May-19																		
C290	CEDB -Refrigerant Pipes Sizing Calculation	60	30-Mar-19*	28-May-19																		
FSDB																						
C300	FSDB -AC Cooling Capacity Calculation	60	09-Nov-18 A	07-Jan-19 A																		
C305	FSDB -AC Cooling Capacity Calculation - Approval	28	08-Jan-19 A	04-Feb-19																		
C310	FSDB -Mechanical Ventilation Capacity Calculation	60	11-Dec-18 A	08-Feb-19																		
C315	FSDB -Mechanical Ventilation Capacity Calculation - Approval	28	09-Feb-19	08-Mar-19																		
C320	FSDB -Fan Static Pressure Calculation	60	22-Jan-19*	22-Mar-19																		
C325	FSDB -Fan Static Pressure Calculation - Approval	28	23-Mar-19	19-Apr-19																		
C330	FSDB -Acoustic Performance Calculation	60	26-Mar-19*	24-May-19																		
C340	FSDB -Refrigerant Pipes Sizing Calculation	60	30-Mar-19*	28-May-19																		
SCB																						
C350	SCB -AC Cooling Capacity Calculation	60	16-Jan-19 A	16-Mar-19																		
C355	SCB -AC Cooling Capacity Calculation - Approval	28	17-Mar-19	13-Apr-19																		
C360	SCB -Mechanical Ventilation Capacity Calculation	60	17-Feb-19*	17-Apr-19																		
C365	SCB -Mechanical Ventilation Capacity Calculation - Approval	28	18-Apr-19	15-May-19																		
C370	SCB -Fan Static Pressure Calculation	60	31-Mar-19*	29-May-19																		
MD																						
C415	MD -AHU/PAU Static Pressure Calculation - Approval	28	09-Dec-18 A	05-Jan-19 A																		

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HY/2017/10 TM-CLKL - Northern Connection Tunnel Buildings, Electrical and Mechanical Works

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P3	Date	Revision	Checked	Approved
	20-Jan-			

ID	Activity	Days	Start	Finish	2018	2019																
					er	January				February				March				April				
					7	24	31	07	14	21	28	04	11	18	25	04	11	18	25	01	08	15
C435	MD -Fan Static Pressure Calculation - Approval	28	08-Dec-18 A	04-Jan-19 A																		
C440	MD -Acoustic Performance Calculation	60	11-Dec-18 A	08-Feb-19																		
C445	MD -Acoustic Performance Calculation - Approval	28	09-Feb-19	08-Mar-19																		
Vehicular Underpass																						
C465	Vehicle Underpass -Fan Static Pressure Calculation - Approval	28	28-Nov-18 A	25-Dec-18 A																		
C470	Vehicle Underpass -Acoustic Performance Calculation	60	01-Dec-18 A	29-Jan-19																		
C475	Vehicle Underpass -Acoustic Performance Calculation - Approval	28	30-Jan-19	26-Feb-19																		
Section D - Building Services of Electrical System																						
ADB																						
D135	ADB -Cable Sizing and Voltage Drop Verification - Approval	30	29-Nov-18 A	28-Dec-18 A																		
D165	ADB -Cable Containment Calculation - Approval	30	09-Dec-18 A	07-Jan-19 A																		
D175	ADB -Earthing Resistance Calculation - Approval	30	29-Nov-18 A	28-Dec-18 A																		
D185	ADB -Power Factor Correction & Harmonic Current AnalysisCalculation - Apprc	30	29-Nov-18 A	28-Dec-18 A																		
SVB																						
D290	SVB -UPS and Battery Capacity Calculations	60	23-Mar-19*	21-May-19																		
D300	SVB -Electrical Loading Demand Calculation	60	07-Mar-19*	05-May-19																		
D330	SVB -Generator Calculation	60	23-Mar-19*	21-May-19																		
D340	SVB -Fuel Tank Calculation	60	23-Mar-19*	21-May-19																		
SCB																						
D390	SCB -UPS and Battery Capacity Calculations	60	20-Jan-19*	20-Mar-19																		
D395	SCB -UPS and Battery Capacity Calculations - Approval	30	21-Mar-19	19-Apr-19																		
D400	SCB -Electrical Loading Demand Calculation	60	20-Jan-19*	20-Mar-19																		
D405	SCB -Electrical Loading Demand Calculation - Approval	30	21-Mar-19	19-Apr-19																		
D410	SCB -Lux Level Calculation	60	24-Feb-19*	24-Apr-19																		
D420	SCB -Cable Sizing and Voltage Drop Verification	60	14-Apr-19*	12-Jun-19																		
D430	SCB -Generator Calculation	60	28-Dec-18 A	25-Feb-19																		
D435	SCB -Generator Calculation - Approval	30	26-Feb-19	27-Mar-19																		
D440	SCB -Fuel Tank Calculation	60	28-Dec-18 A	25-Feb-19																		
D445	SCB -Fuel Tank Calculation - Approval	30	26-Feb-19	27-Mar-19																		
D460	SCB -Earthing Resistance Calculation	60	14-Apr-19*	12-Jun-19																		
D470	SCB -Power Factor Correction & Harmonic Current Analysis Calculation	60	14-Apr-19*	12-Jun-19																		

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Date	Revision	Checked	Approved
20-Jan-			

ID	Activity	Days	Start	Finish	2019																		
					January					February					March					April			
					7	24	31	07	14	21	28	04	11	18	25	04	11	18	25	01	08	15	
CEDB																							
D480	CEDB -UPS and Battery Capacity Calculations	60	04-Jan-19 A	04-Mar-19																			
D485	CEDB -UPS and Battery Capacity Calculations - Approval	30	05-Mar-19	03-Apr-19																			
D490	CEDB -Electrical Loading Demand Calculation	60	13-Nov-18 A	11-Jan-19 A																			
D495	CEDB -Electrical Loading Demand Calculation - Approval	30	12-Jan-19 A	10-Feb-19																			
D500	CEDB -Lux Level Calculation	60	22-Jan-19*	22-Mar-19																			
D505	CEDB -Lux Level Calculation - Approval	30	23-Mar-19	21-Apr-19																			
D510	CEDB -Cable Sizing and Voltage Drop Verification	60	16-Feb-19*	16-Apr-19																			
D515	CEDB -Cable Sizing and Voltage Drop Verification - Approval	30	17-Apr-19	16-May-19																			
D520	CEDB -Calculation of Total Electrical Load	60	13-Nov-18 A	11-Jan-19 A																			
D525	CEDB -Calculation of Total Electrical Load - Approval	30	12-Jan-19 A	10-Feb-19																			
D530	CEDB -Generator Calculation	60	15-Dec-18 A	12-Feb-19																			
D535	CEDB -Generator Calculation - Approval	30	13-Feb-19	14-Mar-19																			
D540	CEDB -Fuel Tank Calculation	60	15-Dec-18 A	12-Feb-19																			
D545	CEDB -Fuel Tank Calculation - Approval	30	13-Feb-19	14-Mar-19																			
D550	CEDB -Cable Containment Calculation	60	15-Apr-19*	13-Jun-19																			
D560	CEDB -Earthing Resistance Calculation	60	16-Feb-19*	16-Apr-19																			
D565	CEDB -Earthing Resistance Calculation - Approval	30	17-Apr-19	16-May-19																			
D570	CEDB -Power Factor Correction & Harmonic Current Analysis Calculation	60	16-Feb-19*	16-Apr-19																			
D575	CEDB -Power Factor Correction & Harmonic Current Analysis Calculation - Approval	30	17-Apr-19	16-May-19																			
FSDB																							
D580	FSDB -UPS and Battery Capacity Calculations	60	26-Dec-18 A	23-Feb-19																			
D585	FSDB -UPS and Battery Capacity Calculations - Approval	30	24-Feb-19	25-Mar-19																			
D590	FSDB -Electrical Loading Demand Calculation	60	13-Nov-18 A	11-Jan-19 A																			
D595	FSDB -Electrical Loading Demand Calculation - Approval	30	12-Jan-19 A	10-Feb-19																			
D600	FSDB -Lux Level Calculation	60	23-Jan-19*	23-Mar-19																			
D605	FSDB -Lux Level Calculation - Approval	30	24-Mar-19	22-Apr-19																			
D610	FSDB -Cable Sizing and Voltage Drop Verification	60	17-Feb-19*	17-Apr-19																			
D615	FSDB -Cable Sizing and Voltage Drop Verification - Approval	30	18-Apr-19	17-May-19																			
D620	FSDB -Calculation of Total Electrical Load	60	13-Nov-18 A	11-Jan-19 A																			
D625	FSDB -Calculation of Total Electrical Load - Approval	30	12-Jan-19 A	10-Feb-19																			

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HY/2017/10 TM-CLKL - Northern Connection Tunnel Buildings, Electrical and Mechanical Works											20-Jan-			
20/01/19 - 20/04/19														

ID	Activity	Days	Start	Finish	2018	2019																	
					er	January				February				March				April					
					7	24	31	07	14	21	28	04	11	18	25	04	11	18	25	01	08	15	
D630	FSDB -Generator Calculation	60	22-Dec-18 A	19-Feb-19																			
D635	FSDB -Generator Calculation - Approval	30	20-Feb-19	21-Mar-19																			
D640	FSDB -Fuel Tank Calculation	60	22-Dec-18 A	19-Feb-19																			
D645	FSDB -Fuel Tank Calculation - Approval	30	20-Feb-19	21-Mar-19																			
D660	FSDB -Earthing Resistance Calculation	60	17-Feb-19*	17-Apr-19																			
D665	FSDB -Earthing Resistance Calculation - Approval	30	18-Apr-19	17-May-19																			
D670	FSDB -Power Factor Correction & Harmonic Current Analysis Calculation	60	17-Feb-19*	17-Apr-19																			
D675	FSDB -Power Factor Correction & Harmonic Current Analysis Calculation - Appr	30	18-Apr-19	17-May-19																			
MD																							
D700	MD -Cable Sizing and Voltage Drop Verification	60	26-Oct-18 A	24-Dec-18 A																			
D705	MD -Cable Sizing and Voltage Drop Verification - Approval	30	25-Dec-18 A	23-Jan-19																			
D730	MD -Cable Containment Calculation	60	14-Nov-18 A	12-Jan-19 A																			
D735	MD -Cable Containment Calculation - Approval	30	13-Jan-19 A	11-Feb-19																			
D740	MD -Earthing Resistance Calculation	60	26-Oct-18 A	24-Dec-18 A																			
D745	MD -Earthing Resistance Calculation - Approval	30	25-Dec-18 A	23-Jan-19																			
D750	MD -Power Factor Correction & Harmonic Current Analysis Calculation	60	26-Oct-18 A	24-Dec-18 A																			
D755	MD -Power Factor Correction & Harmonic Current Analysis Calculation - Apprc	30	25-Dec-18 A	23-Jan-19																			
Section E - Building Services of Fire Services System																							
Tunnel & Service Gallery																							
E015	FS and Sprinkler Water Tanks Effective Volumes Calculation - Approval	30	15-Dec-18 A	13-Jan-19 A																			
E025	FS Pump Head Calculation for Tunnel - Approval	30	13-Dec-18 A	11-Jan-19 A																			
E035	FS Pump Head Calculation for Services Gallery - Approval	30	13-Dec-18 A	11-Jan-19 A																			
E045	Sprinkler Pump Head Calculation for Services Gallery - Approval	30	13-Dec-18 A	11-Jan-19 A																			
SVB																							
E180	SVB -FS Pump Head Calculation	60	23-Mar-19*	21-May-19																			
E190	SVB -Sprinkler Pump Head Calculation	60	23-Mar-19*	21-May-19																			
E200	SVB -Battery Capacity Calculation	60	23-Mar-19*	21-May-19																			
E210	SVB -FM200 System Design Calculation	60	22-Jan-19*	22-Mar-19																			
E215	SVB -FM200 System Design Calculation - Approval	30	23-Mar-19	21-Apr-19																			
SCB																							
E220	SCB -FS Pump Head Calculation	60	10-Mar-19*	08-May-19																			

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HY/2017/10 TM-CLKL - Northern Connection Tunnel Buildings, Electrical and Mechanical Works

20/01/19 - 20/04/19

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Date	Revision	Checked	Approved
20-Jan-			

ID	Activity	Days	Start	Finish	2018							2019																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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E230	SCB -Sprinkler Pump Head Calculation	60	10-Mar-19*	08-May-19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

ID	Activity	Days	Start	Finish	2018	2019																
					er	January				February				March				April				
					7	24	31	07	14	21	28	04	11	18	25	04	11	18	25	01	08	15
F080	ADB - Pump Head Calculation	60	09-Nov-18 A	07-Jan-19 A																		
F085	ADB - Pump Head Calculation - Approval	30	08-Jan-19 A	06-Feb-19																		
F090	ADB - Pressure Vessel Calculation	60	09-Nov-18 A	07-Jan-19 A																		
F095	ADB - Pressure Vessel Calculation - Approval	30	08-Jan-19 A	06-Feb-19																		
F105	ADB - Rainwater Analysis and Pipe Work Calculation - Approval	30	06-Dec-18 A	04-Jan-19 A																		
F135	ADB - Drainage Sump Pumps and Pump Pits Calculation - Approval	30	17-Dec-18 A	15-Jan-19 A																		
NVB																						
F145	NVB - Pump Head Calculation - Approval	30	17-Dec-18 A	15-Jan-19 A																		
F155	NVB - Pressure Vessel Calculation - Approval	30	17-Dec-18 A	15-Jan-19 A																		
SVB																						
F220	SVB - Hydraulic Analysis of Waste Water Systems	60	17-Apr-19*	15-Jun-19																		
CEDB																						
F230	CEDB - Pump Head Calculation	60	27-Mar-19*	25-May-19																		
F240	CEDB - Pressure Vessel Calculation	60	27-Mar-19*	25-May-19																		
F250	CEDB - Rainwater Analysis and Pipe Work Calculation	60	22-Feb-19*	22-Apr-19																		
F260	CEDB - Hydraulic Analysis of Waste Water Systems	60	24-Dec-18 A	21-Feb-19																		
F265	CEDB - Hydraulic Analysis of Waste Water Systems - Approval	30	22-Feb-19	23-Mar-19																		
FSDB																						
F270	FSDB - Pump Head Calculation	60	28-Mar-19*	26-May-19																		
F280	FSDB - Pressure Vessel Calculation	60	28-Mar-19*	26-May-19																		
F290	FSDB - Rainwater Analysis and Pipe Work Calculation	60	22-Feb-19*	22-Apr-19																		
F300	FSDB - Hydraulic Analysis of Waste Water Systems	60	24-Dec-18 A	21-Feb-19																		
F305	FSDB - Hydraulic Analysis of Waste Water Systems - Approval	30	22-Feb-19	23-Mar-19																		
MD																						
F310	MD - Drainage Sump Pumps and Pump Pits Calculation	60	19-Dec-18 A	16-Feb-19																		
F315	MD - Drainage Sump Pumps and Pump Pits Calculation - Approval	30	17-Feb-19	18-Mar-19																		
F320	MD - Pump Head Calculation	60	19-Dec-18 A	16-Feb-19																		
F325	MD - Pump Head Calculation - Approval	30	17-Feb-19	18-Mar-19																		
F330	MD - Pressure Vessel Calculation	60	19-Dec-18 A	16-Feb-19																		
F335	MD - Pressure Vessel Calculation - Approval	30	17-Feb-19	18-Mar-19																		
F340	MD - Rainwater Analysis and Pipe Work Calculation	60	09-Nov-18 A	07-Jan-19 A																		

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ID	Activity	Days	Start	Finish	2018				2019													
					December		January		February			March			April							
					7	24	31	07	14	21	28	04	11	18	25	04	11	18	25	01	08	15
F345	MD - Rainwater Analysis and Pipe Work Calculation - Approval	30	08-Jan-19 A	06-Feb-19																		
Vehicular Underpass																						
F360	Vehicular underpass - Drainage Sump Pumps and Pump PitsCalculation	60	18-Nov-18 A	16-Jan-19 A																		
F365	Vehicular underpass - Drainage Sump Pumps and Pump PitsCalculation - App	30	17-Jan-19 A	15-Feb-19																		
F370	Vehicular underpass - Pump Head Calculation	60	18-Nov-18 A	16-Jan-19 A																		
F375	Vehicular underpass - Pump Head Calculation - Approval	30	17-Jan-19 A	15-Feb-19																		
F380	Vehicular underpass - Pressure Vessel Calculation	60	18-Nov-18 A	16-Jan-19 A																		
F385	Vehicular underpass - Pressure Vessel Calculation - Approval	30	17-Jan-19 A	15-Feb-19																		
F390	Vehicular underpass - Rainwater Analysis and Pipe WorkCalculation	60	30-Oct-18 A	28-Dec-18 A																		
F395	Vehicular underpass - Rainwater Analysis and Pipe WorkCalculation - Approva	30	29-Dec-18 A	27-Jan-19																		
Section G - ELV System																						
G045	System Design for CCTV - Approval	30	03-Dec-18 A	01-Jan-19 A																		
G110	System Design for Building Management System	60	24-Oct-18 A	22-Dec-18 A																		
G115	System Design for Building Management System - Approval	30	23-Dec-18 A	21-Jan-19																		
Key Date 4A - FSD Building Substructure, Boundary Wall, and C&ED Building Substructure																						
FSD Building Substructure																						
FSD142	Socket H-Piles (Pile No. 15-21)	12	18-Dec-18 A	26-Dec-18 A																		
FSD143	Socket H-Piles (Pile No. 22-28)	12	27-Dec-18 A	05-Jan-19 A																		
FSD144	Socket H-Piles (Pile No. 29-35)	12	06-Jan-19 A	16-Jan-19 A																		
FSD145	Socket H-Piles (Pile No. 36-37)	3	17-Jan-19 A	20-Jan-19 A																		
FSD150	Loading Test	14	21-Jan-19	08-Feb-19																		
FSD160	Building Substructure	22	09-Feb-19	06-Mar-19																		
FSD170	Removal of ELS	16	07-Mar-19	25-Mar-19																		
Boundary Wall for FSD Building																						
FSD190	Boundary Wall for FSD Building - Bay A	24	17-Jan-19 A	16-Feb-19																		
FSD250	Boundary Wall for FSD Building - Bay B1	24	24-Dec-18 A	17-Jan-19 A																		
FSD260	Boundary Wall for FSD Building - Bay B2	24	24-Dec-18 A	13-Feb-19																		
FSD270	Boundary Wall for FSD Building - Bay B3	24	24-Dec-18 A	17-Jan-19 A																		
FSD280	Boundary Wall for FSD Building - Bay B4	39	23-Jan-19*	12-Mar-19																		
FSD290	Boundary Wall for FSD Building - Bay B5	39	23-Jan-19	12-Mar-19																		
FSD300	Boundary Wall for FSD Building - Bay B6	23	23-Jan-19	21-Feb-19																		

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					er	January				February				March				April					
					7	24	31	07	14	21	28	04	11	18	25	04	11	18	25	01	08	15	
FSD310	Boundary Wall for FSD Building - Bay B7	39	23-Jan-19	12-Mar-19																			
FSD320	Boundary Wall for FSD Building - Bay B8	23	23-Jan-19	21-Feb-19																			
C&ED Building Substructure																							
CED152	Socket H-Piling (No. 17-24)	11	29-Dec-18 A	08-Jan-19 A																			
CED153	Socket H-Piling (No. 25-32)	11	09-Jan-19 A	20-Jan-19 A																			
CED154	Socket H-Piling (No. 33-40)	11	21-Jan-19	01-Feb-19																			
CED155	Socket H-Piling (No. 41-48)	11	02-Feb-19	18-Feb-19																			
CED156	Socket H-Piling (No. 49-52)	10	19-Feb-19	01-Mar-19																			
CED170	Loading Test	14	02-Mar-19	18-Mar-19																			
CED180	Building Substructure	15	19-Mar-19	04-Apr-19																			
CED190	Removal of ELS	10	06-Apr-19	17-Apr-19																			
CED200	KD4AAchieved	0		17-Apr-19																			
Key Date 1 - Toll Control Building (TCB) & TCSS Provision																							
Toll Control Building (TCB)																							
TCB175	Roof Columns & Scaffolding	10	22-Dec-18 A	07-Jan-19 A																			
TCB180	Roof Slab	12	13-Dec-18 A	11-Jan-19 A																			
TCB190	Top Roof	10	21-Jan-19	31-Jan-19																			
TCSS Provision																							
TCB210	ABWF Works to enable TCSS installation	90	18-Jan-19 A	11-May-19																			
TCB220	E&M Works to enable TCSS installation	90	15-Mar-19	05-Jul-19																			
TCB232	Blockwork Walls and Plaster (1/F - Middle Area)	12	15-Dec-18 A	02-Jan-19 A																			
TCB233	Blockwork Walls and Plaster (1/F - West Side)	12	03-Jan-19 A	16-Jan-19 A																			
TCB243	Blockwork Walls and Plaster (2/F - East Side)	12	17-Jan-19 A	30-Jan-19																			
TCB253	Blockwork Walls and Plaster (2/F - Middle Area)	12	31-Jan-19	16-Feb-19																			
TCB263	Blockwork Walls and Plaster (2/F - West Side)	12	18-Feb-19	02-Mar-19																			
Key Date 4 - E&M Works in Vehicular Underpass Area & TCSS Provision																							
E&M Works																							
VU120	Jet Fans installation	24	21-Jan-19*	20-Feb-19																			
VU130	Post Drill and Bracket Fixing	18	21-Feb-19	13-Mar-19																			
VU140	Cabling Works	36	14-Mar-19	29-Apr-19																			
VU170	Cable containment in Ventilation Duct	24	21-Jan-19*	20-Feb-19																			

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					December			January				February			March				April				
					7	24	31	07	14	21	28	04	11	18	25	04	11	18	25	01	08	15	
VU180	Dampers installation in Ventilation Duct	24	21-Feb-19	20-Mar-19																			
Key Date 2 - Administration Building, Maintenance Depot, Kiosk N2, TCSS Provision																							
Administration Building (ADB)																							
Building Structure																							
ADB170	Foundation and Backfill	14	28-Dec-18 A	14-Feb-19																			
ADB180	Ground Floor	14	31-Jan-19	19-Feb-19																			
ADB190	First Floor	21	20-Feb-19	15-Mar-19																			
ADB200	Roof Slab	28	16-Mar-19	18-Apr-19																			
Provision for TCSS Installation																							
ADB230	Blockwork Walls and Plaster	70	30-Mar-19	26-Jun-19																			
Maintenance Depot																							
Depot Structure																							
MD155	Foundation and Backfill	14	15-Jan-19 A	31-Jan-19																			
MD160	Ground Floor	14	14-Jan-19 A	20-Feb-19																			
MD170	Roof Slab	24	21-Feb-19	20-Mar-19																			
MD180	Top Roof	18	21-Mar-19	11-Apr-19																			
Provision for TCSS Installation																							
MD190	Blockwork Walls and Plaster	60	12-Apr-19	26-Jun-19																			
Kiosk N2																							
N2-130	ABWF Works to enable TCSS installation	18	20-Dec-18 A	14-Jan-19 A																			
N2-140	E&M Works to enable TCSS installation	18	21-Jan-19	13-Feb-19																			
Key Date 6 - E&M Works for Administration Building, Maintenance Depot, North Vent Building, Kiosk N2																							
E&M Works for Administration Building (Structure Completed under KD2)																							
EADB11	ADB First Floor Completed with Scaffolding Removed	0		29-Mar-19																			
EADB12	ABWF Works	133	30-Mar-19	09-Sep-19																			
EADB13	E&M Installation	133	11-Apr-19	20-Sep-19																			
E&M Works for Maintenance Depot (Structure Completed under KD2)																							
EMD110	Maintenance Depot Structure Completed	0		11-Apr-19																			
EMD120	ABWF Works	104	12-Apr-19	17-Aug-19																			
E&M Works for North Ventilation Building																							
E&M Works																							

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					January					February					March					April			
					7	24	31	07	14	21	28	04	11	18	25	04	11	18	25	01	08	15	
EN140	ABWF Works - 1st Fix	12	15-Feb-19	28-Feb-19																			
EN150	E&M works - Stage 1	12	01-Mar-19	14-Mar-19																			
EN151	E&M works - Stage 2	12	15-Mar-19	28-Mar-19																			
EN152	E&M works - Stage 3	12	29-Mar-19	12-Apr-19																			
EN155	ABWF Works - Final Fix	12	13-Apr-19	30-Apr-19																			
Plant Room																							
E&M Works																							
EPR130	E&M Installation	90	20-Dec-18 A	12-Apr-19																			
EPR140	External Works	82	19-Feb-19	30-May-19																			
EPR150	T&C	37	13-Apr-19	30-May-19																			
PR151	ABWF Works	78	03-Nov-18 A	09-Feb-19																			
Approach Roads																							
Under Portions IX, XI, XX																							
AR130	Cabling works	238	07-Jan-19 A	25-Oct-19																			
AR140	Road lighting installation & termination	238	04-Feb-19	22-Nov-19																			
Under Portion X																							
AR160	Access Portions X	0		01-Jan-19 A																			
AR180	Cabling works in portion X	260	02-Jan-19 A	15-Nov-19																			
AR190	Road lighting installation & termination in portion X	260	16-Jan-19 A	29-Nov-19																			
Key Date 6B - E&M Works for South Vent Duct, Tunnel, and Approach Roads																							
E&M Works																							
SVD110	Access to Portions I	0		31-Mar-19																			
SVD150	E&M Installation at Service Gallery	261	01-Apr-19	17-Feb-20																			
SVD160	E&M Installation at Road Level & OHVD	261	01-Apr-19	17-Feb-20																			
Key Date 10 - FSD Building Structure & E&M Works																							
Building Structure																							
FSD200	ELS Removed for FSD Substructure (under KD 4A)	0		25-Mar-19																			
FSD210	Ground Floor	28	26-Mar-19	02-May-19																			
Key Date 7A - E&M Works for Approach Roads at South Side																							
Design and Procurement																							
DP810	Tunnel and Approach Road Lighting System	206	01-Nov-18 A	15-Jul-19																			

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ID	Activity	Days	Start	Finish	2018	2019																	
					er	January					February					March					April		
					7	24	31	07	14	21	28	04	11	18	25	04	11	18	25	01	08	15	
DP820	CMCS System and ELV System	206	01-Nov-18 A	15-Jul-19																			
DP830	Eletrical System	206	01-Nov-18 A	15-Jul-19																			
DP840	Building Services System	206	01-Nov-18 A	15-Jul-19																			
DP850	Plumbing and Drainage System (Tunnel and Roads)	206	01-Nov-18 A	15-Jul-19																			
DP860	Fire Services System	206	01-Nov-18 A	15-Jul-19																			
DP870	Other Related Works to enable E&M Works	206	01-Nov-18 A	15-Jul-19																			
Key Date 9 - C&ED Building & E&M Works																							
Building Structure																							
CED210	ELS Removed for C&ED Substructure (under KD 4A)	0		17-Apr-19																			◆
CED220	Ground Floor	22	18-Apr-19	17-May-19																			■
Key Date 11 - Landscape Soft Works & Trees Protection																							
Trees Protection																							
SL190	Protection of Existing Trees	613	06-Aug-18 A	28-Aug-20																			

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