

ID	Activity	Days	Start	Finish	2018														
					July					August				September			October		
					7	24	01	08	15	22	29	05	12	19	26	02	09	16	23
Three Monthly Programme 20/07/18 - 20/10/18																			
Contract Dates																			
Commencement of the Works																			
C010	Commencement of the Works	0	07-May-18																
Portion Access Dates																			
P140	Access to Portion XI (Day 56)	0	01-Jul-18			◆													
P150	Access to Portion XX (Day 56)	0	01-Jul-18			◆													
P160	Access to Portion IX (Day 56)	0	01-Jul-18			◆													
P190	Access to Portion XVa (Day 161)	0	14-Oct-18															◆	
P200	Access to Portion XVIa (Day 161)	0	14-Oct-18															◆	
Portion Possession Dates																			
P115	Possession to Portion WA18 (Day of Commencement)	0	07-May-18																
P110	Possession to Portion XII (Day of Commencement)	0	07-May-18																
P120	Possession to Portion VIII (Day 25)	0	31-May-18																
P130	Possession to Portion XIV (Day 46)	0	21-Jun-18		◆														
P145	Possession to Portion WA6 (Day 91)	0	05-Aug-18							◆									
P185	Possession to Portion Ve (Day 132)	0	15-Sep-18															◆	
P195	Possession to Portion XIII (16 Sep 2018)	0	16-Sep-18*															◆	
General Procurement																			
P1010	Submit and Approval of Major Material	26	07-May-18	06-Jun-18															
P1020	Conctere Material	50	07-Jun-18	06-Aug-18															
P1030	Rebar Material	50	07-Jun-18	06-Aug-18															
P1040	Steelfixer	50	07-Jun-18	06-Aug-18															
P1050	Formwork Falsework Erector	50	07-Jun-18	06-Aug-18															
P1080	Cladding	70	07-Jun-18	29-Aug-18															
P1060	ABWF Material	70	07-Jun-18	29-Aug-18															
P1070	ABWF Erector	70	07-Jun-18	29-Aug-18															
Method Statements																			
Plant Room																			
MS1010	Prepare & Submit MS for Plant Room (Civil)	24	07-May-18	04-Jun-18															
MS1020	ICE & ER Approval of MS for Plant Room (Civil)	12	05-Jun-18	19-Jun-18															

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P1	Date	Revision	Checked	Approved
	20/07/18			

ID	Activity	Days	Start	Finish	2018																
					July							August				September			October		
					7	24	01	08	15	22	29	05	12	19	26	02	09	16	23	30	07
MS1150	Prepare & Submit MS for Plant Room (E&M)	24	20-Jun-18	18-Jul-18 A	[Gantt bar: 20-Jun-18 to 18-Jul-18]																
MS1160	ICE & ER Approval of MS for Plant Room (E&M)	12	19-Jul-18	01-Aug-18	[Gantt bar: 19-Jul-18 to 01-Aug-18]																
Toll Control Building																					
MS1030	Prepare & Submit MS for Toll Control Building (Civil)	14	07-May-18	23-May-18																	
MS1040	ICE & ER Approval of MS for Toll Control Building (Civil)	12	24-May-18	06-Jun-18																	
MS1170	Prepare & Submit MS for Toll Control Building (E&M)	14	07-Jun-18	13-Jun-18																	
MS1180	ICE & ER Approval of MS for Toll Control Building (E&M)	12	25-Jun-18	09-Jul-18 A	[Gantt bar: 25-Jun-18 to 09-Jul-18]																
Administration Building																					
MS1050	Prepare & Submit MS for Administration Building (Civil)	24	07-May-18	04-Jun-18																	
MS1060	ICE & ER Approval of MS for Administration Building (Civil)	12	05-Jun-18	19-Jun-18																	
MS1190	Prepare & Submit MS for Administration Building (E&M)	24	20-Jun-18	18-Jul-18 A	[Gantt bar: 20-Jun-18 to 18-Jul-18]																
MS1200	ICE & ER Approval of MS for Administration Building (E&M)	12	19-Jul-18	01-Aug-18	[Gantt bar: 19-Jul-18 to 01-Aug-18]																
Maintenance Depot																					
MS1070	Prepare & Submit MS for Maintenance Depot (Civil)	24	24-May-18	21-Jun-18	[Gantt bar: 24-May-18 to 21-Jun-18]																
MS1080	ICE & ER Approval of MS for Maintenance Depot (Civil)	12	22-Jun-18	06-Jul-18 A	[Gantt bar: 22-Jun-18 to 06-Jul-18]																
MS1210	Prepare & Submit MS for Maintenance Depot (E&M)	24	07-Jul-18	03-Aug-18	[Gantt bar: 07-Jul-18 to 03-Aug-18]																
MS1220	ICE & ER Approval of MS for Maintenance Depot (E&M)	12	04-Aug-18	17-Aug-18	[Gantt bar: 04-Aug-18 to 17-Aug-18]																
Custom & Excise Department Building																					
MS1090	Prepare & Submit MS for C&ED Building (Civil)	24	22-Jun-18	20-Jul-18	[Gantt bar: 22-Jun-18 to 20-Jul-18]																
MS1100	ICE & ER Approval of MS for C&ED Building (Civil)	12	21-Jul-18	03-Aug-18	[Gantt bar: 21-Jul-18 to 03-Aug-18]																
MS1230	Prepare & Submit MS for C&ED Building (E&M)	24	04-Aug-18	31-Aug-18	[Gantt bar: 04-Aug-18 to 31-Aug-18]																
MS1240	ICE & ER Approval of MS for C&ED Building (E&M)	12	01-Sep-18	14-Sep-18	[Gantt bar: 01-Sep-18 to 14-Sep-18]																
Fire Services Department Building																					
MS1110	Prepare & Submit MS for Fire Services Building (Civil)	24	21-Jul-18	17-Aug-18	[Gantt bar: 21-Jul-18 to 17-Aug-18]																
MS1120	ICE & ER Approval of MS for Fire Services Building (Civil)	12	18-Aug-18	31-Aug-18	[Gantt bar: 18-Aug-18 to 31-Aug-18]																
MS1250	Prepare & Submit MS for Fire Services Building (E&M)	24	01-Sep-18	29-Sep-18	[Gantt bar: 01-Sep-18 to 29-Sep-18]																
MS1260	ICE & ER Approval of MS for Fire Services Building (E&M)	12	02-Oct-18	15-Oct-18	[Gantt bar: 02-Oct-18 to 15-Oct-18]																
Satellite Control Building																					
MS1130	Prepare & Submit MS for Satellite Control Building (Civil)	24	18-Aug-18	14-Sep-18	[Gantt bar: 18-Aug-18 to 14-Sep-18]																
MS1140	ICE & ER Approval of MS for Satellite Control Building (Civil)	12	15-Sep-18	29-Sep-18	[Gantt bar: 15-Sep-18 to 29-Sep-18]																
MS1270	Prepare & Submit MS for Satellite Control Building (E&M)	24	02-Oct-18	30-Oct-18	[Gantt bar: 02-Oct-18 to 30-Oct-18]																

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Date	Revision	Checked	Approved
20/07/18			

ID	Activity	Days	Start	Finish	2018														
					July					August				September			October		
					7	24	01	08	15	22	29	05	12	19	26	02	09	16	23
General Submission (First Submission)																			
GS110	Prepare & Submit Subcontractor Management Plan	17	07-May-18	23-May-18															
GS120	Prepare & Submit Environmental Management Plan	32	07-May-18	07-Jun-18															
GS130	Prepare & Submit Safety Management Plan	22	07-May-18	28-May-18															
E&M Design																			
Section A - Tunnel Ventilation System																			
A050	Jet Fan Static Calculation for Vehicle Underpass	60	13-May-18	11-Jul-18															
A055	Jet Fan Static Calculation for Vehicle Underpass - Approval	28	12-Jul-18	08-Aug-18															
A010	Design Proposal of Tunnel Ventilation System	60	18-Aug-18*	16-Oct-18															
A060	Pressurization Fan Static Calculation for Vehicle Underpass	60	22-Aug-18*	20-Oct-18															
A040	TVS -Smoke Extraction Fan Static Calculation for Service Gallery	60	13-Sep-18*	11-Nov-18															
A080	TVS -Design Proposal including the Smoke Extraction Strategy	60	13-Sep-18*	11-Nov-18															
A090	TVS -Control Logic Review with FSD	60	13-Sep-18*	11-Nov-18															
A020	Tunnel Ventilation Fan Pressure Calculations	60	29-Sep-18*	27-Nov-18															
A160	Tunnel Cable Sizing and Voltage Drop Verification	60	06-Oct-18*	04-Dec-18															
A015	Design Proposal of Tunnel Ventilation System - Approval	31	17-Oct-18	16-Nov-18															
Section B - Tunnel Lighting and Road Lighting System																			
B010	Design Proposal of Tunnel Lighting System (TLS)	60	04-Aug-18*	02-Oct-18															
B020	Tunnel lighting control	60	08-Sep-18*	06-Nov-18															
B030	TLS -Lux Calculation	60	08-Sep-18*	06-Nov-18															
B040	TLS -Structure support design calculation for tunnel lighting	60	08-Sep-18*	06-Nov-18															
B050	Design Proposal of Road / Street Lighting System	60	27-Sep-18*	25-Nov-18															
B015	Design Proposal of Tunnel Lighting System (TLS) - Approval	30	03-Oct-18	01-Nov-18															
Section C - Building Services of MMAC System																			
TCB																			
C040	TCB -Mechanical Ventilation Capacity Calculation	60	17-Jun-18	15-Aug-18															
C020	TCB -AHU/PAU Static Pressure Calculation	60	02-Jul-18	30-Aug-18															
C050	TCB -Fan Static Pressure Calculation	60	29-Jul-18*	26-Sep-18															
C012	TCB -AC Cooling Capacity Calculation	60	31-Jul-18*	28-Sep-18															
C045	TCB -Mechanical Ventilation Capacity Calculation - Approval	28	16-Aug-18	12-Sep-18															
C025	TCB -AHU/PAU Static Pressure Calculation - Approval	28	31-Aug-18	27-Sep-18															

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Date	Revision	Checked	Approved
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ID	Activity	Days	Start	Finish	2018													
					July					August				September				October
					7	24	01	08	15	22	29	05	12	19	26	02	09	16
E050	Foam system design calculation for Services Gallery	60	12-Jun-18	10-Aug-18	[Bar from 12-Jun-18 to 10-Aug-18]													
E055	Foam system design calculation for Services Gallery - Approval	30	11-Aug-18	09-Sep-18						[Bar from 11-Aug-18 to 09-Sep-18]								
E020	FS Pump Head Calculation for Tunnel	60	14-Oct-18*	12-Dec-18										[Bar from 14-Oct-18 to 12-Dec-18]				
E030	FS Pump Head Calculation for Services Gallery	60	14-Oct-18*	12-Dec-18										[Bar from 14-Oct-18 to 12-Dec-18]				
E040	Sprinkler Pump Head Calculation for Services Gallery	60	14-Oct-18*	12-Dec-18										[Bar from 14-Oct-18 to 12-Dec-18]				
E010	FS and Sprinkler Water Tanks Effective Volumes Calculation	60	16-Oct-18*	14-Dec-18										[Bar from 16-Oct-18 to 14-Dec-18]				
TCB																		
E090	TCB -FM200 System Design Calculation	60	22-Jun-18	20-Aug-18	[Bar from 22-Jun-18 to 20-Aug-18]													
E080	TCB -Battery Capacity Calculation	60	02-Jul-18	30-Aug-18	[Bar from 02-Jul-18 to 30-Aug-18]													
E095	TCB -FM200 System Design Calculation - Approval	30	21-Aug-18	19-Sep-18						[Bar from 21-Aug-18 to 19-Sep-18]								
E085	TCB -Battery Capacity Calculation - Approval	30	31-Aug-18	29-Sep-18						[Bar from 31-Aug-18 to 29-Sep-18]								
E060	TCB -FS Pump Head Calculation	60	13-Sep-18*	11-Nov-18						[Bar from 13-Sep-18 to 11-Nov-18]								
E070	TCB -Sprinkler Pump Head Calculation	60	13-Sep-18*	11-Nov-18						[Bar from 13-Sep-18 to 11-Nov-18]								
ADB																		
E130	ADB -FM200 System Design Calculation	60	22-Jun-18	20-Aug-18	[Bar from 22-Jun-18 to 20-Aug-18]													
E120	ADB -Battery Capacity Calculation	60	29-Jul-18*	26-Sep-18						[Bar from 29-Jul-18 to 26-Sep-18]								
E135	ADB -FM200 System Design Calculation - Approval	30	21-Aug-18	19-Sep-18						[Bar from 21-Aug-18 to 19-Sep-18]								
E110	ADB -Sprinkler Pump Head Calculation	60	13-Sep-18*	11-Nov-18						[Bar from 13-Sep-18 to 11-Nov-18]								
E100	ADB -FS Pump Head Calculation	60	13-Sep-18*	11-Nov-18						[Bar from 13-Sep-18 to 11-Nov-18]								
E125	ADB -Battery Capacity Calculation - Approval	30	27-Sep-18	26-Oct-18						[Bar from 27-Sep-18 to 26-Oct-18]								
NVB																		
E160	NVB -Battery Capacity Calculation	60	20-Jun-18	18-Aug-18	[Bar from 20-Jun-18 to 18-Aug-18]													
E170	NVB -FM200 System Design Calculation	60	22-Jun-18	20-Aug-18	[Bar from 22-Jun-18 to 20-Aug-18]													
E140	NVB -FS Pump Head Calculation	60	19-Aug-18*	17-Oct-18						[Bar from 19-Aug-18 to 17-Oct-18]								
E150	NVB -Sprinkler Pump Head Calculation	60	19-Aug-18*	17-Oct-18						[Bar from 19-Aug-18 to 17-Oct-18]								
E165	NVB -Battery Capacity Calculation - Approval	30	19-Aug-18	17-Sep-18						[Bar from 19-Aug-18 to 17-Sep-18]								
E175	NVB -FM200 System Design Calculation - Approval	30	21-Aug-18	19-Sep-18						[Bar from 21-Aug-18 to 19-Sep-18]								
E145	NVB -FS Pump Head Calculation - Approval	30	18-Oct-18	16-Nov-18						[Bar from 18-Oct-18 to 16-Nov-18]								
E155	NVB -Sprinkler Pump Head Calculation - Approval	30	18-Oct-18	16-Nov-18						[Bar from 18-Oct-18 to 16-Nov-18]								
MD																		
E330	MD -FS Pump Head Calculation	60	21-Aug-18*	19-Oct-18						[Bar from 21-Aug-18 to 19-Oct-18]								

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ID	Activity	Days	Start	Finish	2018													
					July					August				September			October	
					7	24	01	08	15	22	29	05	12	19	26	02	09	16
Key Date 1 - Toll Control Building (TCB) & TCSS Provision																		
Toll Control Building (TCB)																		
TCB110	Possess Portion XII	0		07-May-18														
TCB120	Site Clearance & Trial Pits	12	07-May-18	19-May-18														
TCB130	Excavation (GL3-5)	12	21-May-18	06-Jun-18														
TCB135	Excavation (Remaining)	12	21-May-18	16-Jul-18 A	■													
TCB140	Basement Raft (GL3-5)	12	07-Jun-18	21-Jun-18	■													
TCB145	Basement Raft (Remaining)	12	25-Jun-18	23-Jul-18	■													
TCB150	Ground Floor Slab - Formwork	12	24-Jul-18	06-Aug-18	■													
TCB152	Ground Floor Slab - Rebar	12	02-Aug-18	15-Aug-18	■													
TCB154	Ground Floor Slab - Concrete	2	16-Aug-18	17-Aug-18	■													
TCB160	Remove G/F Slab Formwork	2	18-Aug-18	20-Aug-18	■													
TCB161	Level 1 Columns & Scaffolding	10	21-Aug-18	31-Aug-18	■													
TCB162	Level 1 Slab	12	01-Sep-18	14-Sep-18	■													
TCB171	Remove 1/F Slab Formwork	2	15-Sep-18	17-Sep-18	■													
TCB172	Level 2 Columns & Scaffolding	10	18-Sep-18	29-Sep-18	■													
TCB173	Level 2 Slab	12	02-Oct-18	15-Oct-18	■													
TCB174	Remove 2/F Slab Formwork	2	16-Oct-18	18-Oct-18	■													
TCB175	Roof Columns & Scaffolding	10	19-Oct-18	30-Oct-18	■													
TCSS Provision																		
TCB200	Blockwork Walls and Plaster (G/F)	12	02-Oct-18	15-Oct-18	■													
TCB231	Blockwork Walls and Plaster (1/F - East Side)	12	16-Oct-18	30-Oct-18	■													
Key Date 4 - E&M Works in Vehicular Underpass Area & TCSS Provision																		
E&M Works																		
VU110	Access Portion XI	0		01-Jul-18 A	◆													
Key Date 2 - Administration Building, Maintenance Depot, Kiosk N2, TCSS Provision																		
Administration Building (ADB)																		
Piling Works																		
ADB12	Predrilling (No 1-6)	7	21-Jun-18	28-Jun-18	■													
ADB11	Possess Portion XIV	0		21-Jun-18	◆													
ADB12	Predrilling (No 7-12)	7	29-Jun-18	07-Jul-18 A	■													

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