

Enhanced Security Systems Project				Classic WBS Layout				10-Jul-18 09:07																										
Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish																													
						2018					2019					2020																		
						J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M		
<b>Enhanced Security Systems Project</b>						<b>29-Jul-18</b>																												
<b>Milestone</b>						<b>04-Jan-20</b>																												
A1300	Project Concept Initiation	0.00	100%	21-Jul-17		Initiation																												
A1290	Contract Award	0.00	0%		13-Aug-18	Contract Award																												
<b>Milestones Phase 1</b>						<b>21-Jul-19, Milestones Phase 1</b>																												
A1580	Complete Engineering Assesment of Tower Installation works	0.00	0%		15-Oct-18	Complete Engineering Assesment of Tower Installation works																												
A1600	Complete Mobilisation for FOT Onshore Tower Installation works	0.00	0%		19-Jan-19	Complete Mobilisation for FOT Onshore Tower Installation works																												
A4240	Complete Mobilisation for FOT Offshore Tower Installation works	0.00	0%		20-Jan-19	Complete Mobilisation for FOT Offshore Tower Installation works																												
A4230	Complete Mobilisation for BOGT Onshore Tower Installation works	0.00	0%		31-Jan-19	Complete Mobilisation for BOGT Onshore Tower Installation works																												
A1590	Complete Mobilisation for BOGT Offshore Tower Installation works	0.00	0%		02-Feb-19	Complete Mobilisation for BOGT Offshore Tower Installation works																												
A1620	Mechanical Completion for FOT Offshore Tower CLP	0.00	0%		15-May-19	Mechanical Completion for FOT Offshore Tower CLP																												
A1340	Complete Installation of FOT Citadel Fence	0.00	0%		19-May-19	Complete Installation of FOT Citadel Fence																												
A4250	Mechanical Completion for BOGT Offshore Tower CLP	0.00	0%		07-Jul-19	Mechanical Completion for BOGT Offshore Tower CLP																												
A4270	Complete Tower Installation works for FOT ( Antenna,Cameras etc)	0.00	0%		08-Jul-19	Complete Tower Installation works for FOT ( Antenna,Cameras etc)																												
A4260	Complete Tower Installation works for BOGT ( Antenna,Cameras etc)	0.00	0%		21-Jul-19	Complete Tower Installation works for BOGT ( Antenna,Cameras etc)																												
<b>Milestones Phase 2</b>						<b>04-Jan-20</b>																												
A3470	Complete Installation and Commissioning of IA Central server	0.00	0%		24-Aug-19	Complete Installation and Commissioning of IA Central server																												
A1360	Complete Installation and Commissioning of Bonga Security Systems	0.00	0%		14-Dec-19	Complete Installation and Commissioning of Bonga Security Systems																												
A1380	Complete Installation and Commissioning of EA Security Systems	0.00	0%		14-Dec-19	Complete Installation and Commissioning of EA Security Systems																												
A1350	Complete Installation and Commissioning of FOT Security Systems	0.00	0%		04-Jan-20	Complete Installation and Commissioning of FOT Security Systems																												
A1370	Complete Installation and Commissioning of BOGT Security Systems	0.00	0%		04-Jan-20	Complete Installation and Commissioning of BOGT Security Systems																												
<b>Value Assurance</b>						<b>23-Jul-18, Value Assurance</b>																												
A1210	Detailed Project Schedule	10.00	30%	11-Jun-18	29-Jun-18	Detailed Project Schedule																												
A1220	Project Cost Estimate	8.00	0%	21-Jun-18	02-Jul-18	Project Cost Estimate																												
A1230	Cost and Schedule Risk Analysis (CSRA)	10.00	0%	03-Jul-18	16-Jul-18	Cost and Schedule Risk Analysis (CSRA)																												
A1240	PAR/ESAR (Including closeout of recommendations)	5.00	0%	17-Jul-18	23-Jul-18	PAR/ESAR (Including closeout of recommendations)																												
<b>Pre-Contract Award</b>						<b>13-Aug-18, Pre-Contract Award</b>																												
<b>Contracting</b>						<b>13-Aug-18, Contracting</b>																												
A1000	Project Concept Initiation (SPDC)	6.00	100%	24-Jul-17	31-Jul-17 A	Initiation (SPDC)																												
A1010	Conclude NAPIMS Engagement	22.00	100%	01-Aug-17	30-Aug-17 A	NAPIMS Engagement																												
A1020	MTB Submission (Part-A)	32.00	100%	31-Aug-17	13-Oct-17 A	Submission (Part-A)																												
A1030	NAPIMS Submission (Part-A)	20.00	100%	16-Oct-17	10-Nov-17 A	NAPIMS Submission (Part-A)																												
A1040	Tech ITT Preparation	65.00	100%	13-Nov-17	09-Feb-18 A	Tech ITT Preparation																												
A1050	NAPIMS Alignment and Approval of Technical ITT	10.00	100%	12-Feb-18	20-Jun-18 A	NAPIMS Alignment and Approval of Technical ITT																												
A1060	Issue ITT & Receive bids - Single source using Facility upgrade project (FUP)	23.00	0%	21-Jun-18	23-Jul-18	Issue ITT & Receive bids - Single source using Facility upgrade project (FUP)																												
A1110	Evaluation of bid & Award Approval (MTB)	10.00	0%	24-Jul-18	06-Aug-18	Evaluation of bid & Award Approval (MTB)																												
A1310	Contract Award & Kick Off Meeting	5.00	0%	07-Aug-18	13-Aug-18	Contract Award & Kick Off Meeting																												
<b>Permit and Consent</b>						<b>01-Aug-18, Permit and Consent</b>																												
A1250	Permit & Consent (Incl Permit from Aviation Regulator)	30.00	0%	21-Jun-18	01-Aug-18	Permit & Consent (Incl Permit from Aviation Regulator)																												
<b>Phase 1</b>						<b>24-Jul-19, Phase 1</b>																												
<b>Contract Mobilisation</b>						<b>17-Sep-18, Contract Mobilisation</b>																												
A3810	Project Organisation & Key Personnel Chart	10.00	0%	14-Aug-18	27-Aug-18	Project Organisation & Key Personnel Chart																												
A3820	Project Management deliverables	15.00	0%	28-Aug-18	17-Sep-18	Project Management deliverables																												
<b>Detailed Engineering</b>						<b>15-Oct-18, Detailed Engineering</b>																												
A3480	Engineering Assesment of Tower Installation works including Intergrity Check	25.00	0%	28-Aug-18	01-Oct-18	Engineering Assesment of Tower Installation works including Intergrity Check																												
A3490	Engineering reports/deliverables/Documentations	10.00	0%	02-Oct-18	15-Oct-18	Engineering reports/deliverables/Documentations																												
<b>Procurement</b>						<b>15-Apr-19, Procurement</b>																												
A4220	Procure Bulk materials	45.00	0%	16-Oct-18	17-Dec-18	Procure Bulk materials																												
A3500	Procure Tower Steel members,Camera,antennas,aviation lights etc	130.00	0%	16-Oct-18	15-Apr-19	Procure Tower Steel members,Camera,antennas,aviation lights etc																												

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Construction		212.00		02-Oct-18	24-Jul-19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

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Date

Revision

Checked

Approved





Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	2018												2019												2020		
						J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M
A1730	Screening Equipment	130.00	0%	25-Sep-18	25-Mar-19																											
A1740	Video Management System	130.00	0%	25-Sep-18	25-Mar-19																											
A1750	Main Security Control Room	130.00	0%	25-Sep-18	25-Mar-19																											
A1760	Automatic Number Plate Recognition (ANPR) System	130.00	0%	25-Sep-18	25-Mar-19																											
A1770	Pipeline ROW and Perimeter Security Systems	130.00	0%	25-Sep-18	25-Mar-19																											
A1780	Civil Construction Materials Incl additional citadel fence material	130.00	0%	25-Sep-18	25-Mar-19																											
Construction and Installation		565.00		14-Aug-18	29-Feb-20																											
FOT		404.00		14-Aug-18	29-Feb-20																											
Mobilization		29.00		14-Aug-18	22-Sep-18																											
A1390	Provision of site offices, accommodation and associated utilities	20.00	0%	14-Aug-18	10-Sep-18																											
A1280	Mobilization of Personnel and Equipment	10.00	0%	11-Sep-18	22-Sep-18																											
Civil Construction & Building		205.00		23-Sep-18	19-May-19																											
A1400	Foundation for Citadel Fence (2 nos 6km) - 160m / day	100.00	0%	23-Sep-18	16-Jan-19																											
A1910	Structural Steel Erection - Citadel Fence (2 nos 6km fence) - 20 / day (assuming 10m d	60.00	0%	02-Dec-18	09-Feb-19																											
A1920	Pipeline Security Citadel Fence Installation (2 nos 6km fence) - 170m / day	70.00	0%	31-Dec-18	21-Mar-19																											
A1410	Perimeter Security Citadel Fence (8.5km)- 170m/day	50.00	0%	23-Mar-19	19-May-19																											
Security Management System (SMS)		42.00		26-Mar-19	13-May-19																											
A1420	SMS Primary and Fail-over Servers	14.00	0%	26-Mar-19	10-Apr-19																											
A1430	Systems and Integration Licenses	14.00	0%	11-Apr-19	27-Apr-19																											
A1800	Workstations	14.00	0%	28-Apr-19	13-May-19																											
Access Control System		42.00		14-May-19	01-Jul-19																											
A1440	Internal Building Access Control	14.00	0%	14-May-19	29-May-19																											
A1450	Entry Check Point (ECO) Gates - Total 8 Gates	14.00	0%	30-May-19	15-Jun-19																											
A1810	Iris Biometric System - Princeton Identity	14.00	0%	16-Jun-19	01-Jul-19																											
Wide Area Detection System including Equipment, Assessories & Integration Licenses		56.00		02-Jul-19	04-Sep-19																											
A1460	Thermal Radar	14.00	0%	02-Jul-19	17-Jul-19																											
A1470	X-Band Radar	14.00	0%	18-Jul-19	03-Aug-19																											
A1830	Optical PTZ Cameras	14.00	0%	04-Aug-19	19-Aug-19																											
A1840	Mounting Towers and Poles	14.00	0%	20-Aug-19	04-Sep-19																											
Video Management System		70.00		26-Mar-19	15-Jun-19																											
A1480	Fixed Cameras	14.00	0%	26-Mar-19	10-Apr-19																											
A1490	Thermal Radar	14.00	0%	11-Apr-19	27-Apr-19																											
A1850	Optical PTZ Cameras	14.00	0%	28-Apr-19	13-May-19																											
A1860	Mounting Towers and Poles	14.00	0%	14-May-19	29-May-19																											
A1900	Automatic Number Plate Recognition (ANPR) System-Genetec Autovu	14.00	0%	30-May-19	15-Jun-19																											
Screening Equipment		42.00		16-Jun-19	03-Aug-19																											
A1500	Baggage & Personnel Screening	14.00	0%	16-Jun-19	01-Jul-19																											
A1510	Bomb Blast Container	14.00	0%	02-Jul-19	17-Jul-19																											
A1890	Explosive Trace/Particle Detector	14.00	0%	18-Jul-19	03-Aug-19																											
Pipeline ROW and Perimeter Security Systems		56.00		04-Aug-19	07-Oct-19																											
A1520	Fence Mounted Perimeter Intrusion Detection System	14.00	0%	04-Aug-19	19-Aug-19																											
A1530	Fence Mounted Pipeline ROW Intrusion Detection System	14.00	0%	20-Aug-19	04-Sep-19																											
A1870	Perimeter Security Lighting	14.00	0%	05-Sep-19	21-Sep-19																											
A1880	Pipeline ROW Securty Lighting	14.00	0%	22-Sep-19	07-Oct-19																											
Security Command and Control		28.00		08-Oct-19	09-Nov-19																											
A1540	Main Security Control Room	14.00	0%	08-Oct-19	23-Oct-19																											
A1550	Main Security Equipment Room	14.00	0%	24-Oct-19	09-Nov-19																											
Pre-commissioning		24.00		10-Nov-19	07-Dec-19																											
A1160	Fabrication inspection and testing	12.00	0%	10-Nov-19	23-Nov-19																											
A1170	Completion testing	12.00	0%	24-Nov-19	07-Dec-19																											

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						J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	
	Commissioning	24.00		08-Dec-19	04-Jan-20																											04-Jan-20	
A1560	Site acceptance tests	12.00	0%	08-Dec-19	21-Dec-19																											Site acceptance tests	
A1570	Environmental performance testing	12.00	0%	22-Dec-19	04-Jan-20																											Environmental performance testing	
	Documentation and Training	36.00		05-Jan-20	15-Feb-20																											15-Feb-20	
A1660	Information Management Compliance	12.00	0%	05-Jan-20	18-Jan-20																											Information Management Compliance	
A1670	Training	12.00	0%	19-Jan-20	01-Feb-20																											Training	
A1690	As-built documentation	12.00	0%	02-Feb-20	15-Feb-20																											As-built documentation	
	Demobilization	12.00		16-Feb-20	29-Feb-20																											29-Feb-20	
A1610	Demobilise plant, equipment and materials from site	12.00	0%	16-Feb-20	29-Feb-20																											Demobilise plant, equipment and materials from site	
	BOGT	324.00		04-Dec-18	29-Feb-20																											29-Feb-20	
	Mobilization	29.00		04-Dec-18	12-Jan-19																											12-Jan-19	
A1960	Provision of site offices, accommodation and associated utilities	20.00	0%	04-Dec-18	31-Dec-18																											Provision of site offices, accommodation and associated utilities	
A1930	Mobilization of Personnel and Equipment	10.00	0%	01-Jan-19	12-Jan-19																											Mobilization of Personnel and Equipment	
	Civil Construction & Building	30.00		13-Jan-19	16-Feb-19																											16-Feb-19	
A1980	Perimeter Security Citadel Fence	30.00	0%	13-Jan-19	16-Feb-19																											Perimeter Security Citadel Fence	
	Security Management System (SMS)	42.00		26-Mar-19	13-May-19																											13-May-19	
A1990	SMS Primary and Fail-over Servers	14.00	0%	26-Mar-19	10-Apr-19																											SMS Primary and Fail-over Servers	
A2000	Systems and Integration Licenses	14.00	0%	11-Apr-19	27-Apr-19																											Systems and Integration Licenses	
A2190	Workstations	14.00	0%	28-Apr-19	13-May-19																											Workstations	
	Access Control System	42.00		14-May-19	01-Jul-19																											01-Jul-19	
A2010	Internal Building Access Control	14.00	0%	14-May-19	29-May-19																											Internal Building Access Control	
A2020	Entry Check Point (ECO) Gates - Total 8 Gates	14.00	0%	30-May-19	15-Jun-19																											Entry Check Point (ECO) Gates - Total 8 Gates	
A2200	Iris Biometric System - Princeton Identity	14.00	0%	16-Jun-19	01-Jul-19																											Iris Biometric System - Princeton Identity	
	Wide Area Detection System including Equipment, Assessories & Integration Licenses	56.00		02-Jul-19	04-Sep-19																											04-Sep-19	
A2030	Thermal Radar	14.00	0%	02-Jul-19	17-Jul-19																											Thermal Radar	
A2040	X-Band Radar	14.00	0%	18-Jul-19	03-Aug-19																											X-Band Radar	
A2220	Optical PTZ Cameras	14.00	0%	04-Aug-19	19-Aug-19																											Optical PTZ Cameras	
A2230	Mounting Towers and Poles	14.00	0%	20-Aug-19	04-Sep-19																											Mounting Towers and Poles	
	Video Management System	70.00		26-Mar-19	15-Jun-19																											15-Jun-19	
A2050	Fixed Cameras	14.00	0%	26-Mar-19	10-Apr-19																											Fixed Cameras	
A2060	Thermal Radar	14.00	0%	11-Apr-19	27-Apr-19																											Thermal Radar	
A2240	Optical PTZ Cameras	14.00	0%	28-Apr-19	13-May-19																											Optical PTZ Cameras	
A2250	Mounting Towers and Poles	14.00	0%	14-May-19	29-May-19																											Mounting Towers and Poles	
A2290	Automatic Number Plate Recognition (ANPR) System-Genetec Autovue	14.00	0%	30-May-19	15-Jun-19																											Automatic Number Plate Recognition (ANPR) System-Genetec Autovue	
	Screening Equipment	42.00		16-Jun-19	03-Aug-19																											03-Aug-19	
A2070	Baggage & Personnel Screening	14.00	0%	16-Jun-19	01-Jul-19																											Baggage & Personnel Screening	
A2080	Bomb Blast Container	14.00	0%	02-Jul-19	17-Jul-19																											Bomb Blast Container	
A2280	Explosive Trace/Particle Detector	14.00	0%	18-Jul-19	03-Aug-19																											Explosive Trace/Particle Detector	
	Pipeline ROW and Perimeter Security Systems	56.00		04-Aug-19	07-Oct-19																											07-Oct-19	
A2090	Fence Mounted Perimeter Intrusion Detection System	14.00	0%	04-Aug-19	19-Aug-19																											Fence Mounted Perimeter Intrusion Detection System	
A2100	Fence Mounted Pipeline ROW Intrusion Detection System	14.00	0%	20-Aug-19	04-Sep-19																												



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<div></div>	A2130	Site acceptance tests	12.00	0%	08-Dec-19	21-Dec-19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

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Demobilization					12.00		26-Jan-20	08-Feb-20	Demobilization																											
A2930 Demobilise plant, equipment and materials from site					12.00	0%	26-Jan-20	08-Feb-20	Demobilise plant, equipment and materials from site																											
Bonga					362.00		12-Feb-19	08-Feb-20	Bonga																											
Mobilization					29.00		12-Feb-19	23-Mar-19	Mobilization																											
A2350 Provision of site offices, accommodation and associated utilities					20.00	0%	12-Feb-19	11-Mar-19	Provision of site offices, accommodation and associated utilities																											
A2320 Mobilization of Personnel and Equipment					10.00	0%	12-Mar-19	23-Mar-19	Mobilization of Personnel and Equipment																											
Civil Construction & Building					0.00				Civil Construction & Building																											
Security Management System (SMS)					42.00		26-Mar-19	13-May-19	Security Management System (SMS)																											
A2380 SMS Primary and Fail-over Servers					14.00	0%	26-Mar-19	10-Apr-19	SMS Primary and Fail-over Servers																											
A2390 Systems and Integration Licenses					14.00	0%	11-Apr-19	27-Apr-19	Systems and Integration Licenses																											
A2580 Workstations					14.00	0%	28-Apr-19	13-May-19	Workstations																											
Access Control System					28.00		14-May-19	15-Jun-19	Access Control System																											
A2400 Internal Building Access Control					14.00	0%	14-May-19	29-May-19	Internal Building Access Control																											
A2600 Physical Barrier System					14.00	0%	30-May-19	15-Jun-19	Physical Barrier System																											
Wide Area Detection System including Equipment, Assessories & Integration Licenses					56.00		16-Jun-19	19-Aug-19	Wide Area Detection System including Equipment, Assessories & Integration Licenses																											
A2420 Thermal Radar					14.00	0%	16-Jun-19	01-Jul-19	Thermal Radar																											
A2430 X-Band Radar					14.00	0%	02-Jul-19	17-Jul-19	X-Band Radar																											
A2610 Optical PTZ Cameras					14.00	0%	18-Jul-19	03-Aug-19	Optical PTZ Cameras																											
A2620 Mounting Towers and Poles					14.00	0%	04-Aug-19	19-Aug-19	Mounting Towers and Poles																											
Video Management System					70.00		26-Mar-19	15-Jun-19	Video Management System																											
A2440 Fixed Cameras					14.00	0%	26-Mar-19	10-Apr-19	Fixed Cameras																											
A2450 Thermal Radar					14.00	0%	11-Apr-19	27-Apr-19	Thermal Radar																											
A2630 Optical PTZ Cameras					14.00	0%	28-Apr-19	13-May-19	Optical PTZ Cameras																											
A2640 Mounting Towers and Poles					14.00	0%	14-May-19	29-May-19	Mounting Towers and Poles																											
A2680 Automatic Number Plate Recognition (ANPR) System-Genetec Autovu					14.00	0%	30-May-19	15-Jun-19	Automatic Number Plate Recognition (ANPR) System-Genetec Autovu																											
Screening Equipment					0.00				Screening Equipment																											
Pipeline ROW and Perimeter Security Systems					56.00		16-Jun-19	19-Aug-19	Pipeline ROW and Perimeter Security Systems																											
A2480 Fence Mounted Perimeter Intrusion Detection System					14.00	0%	16-Jun-19	01-Jul-19	Fence Mounted Perimeter Intrusion Detection System																											
A2490 Fence Mounted Pipeline ROW Intrusion Detection System					14.00	0%	02-Jul-19	17-Jul-19	Fence Mounted Pipeline ROW Intrusion Detection System																											
A2650 Perimeter Security Lighting					14.00	0%	18-Jul-19	03-Aug-19	Perimeter Security Lighting																											
A2660 Pipeline ROW Secury Lighting					14.00	0%	04-Aug-19	19-Aug-19	Pipeline ROW Secury Lighting																											
Security Command and Control					28.00		20-Aug-19	21-Sep-19	Security Command and Control																											
A2500 Main Security Control Room					14.00	0%	20-Aug-19	04-Sep-19	Main Security Control Room																											
A2510 Main Security Equipment Room					14.00	0%	05-Sep-19	21-Sep-19	Main Security Equipment Room																											
Pre-commissioning					36.00		22-Sep-19	02-Nov-19	Pre-commissioning																											
A2330 Fabrication inspection and testing					18.00	0%	22-Sep-19	12-Oct-19	Fabrication inspection and testing																											
A2340 Completion testing					18.00	0%	13-Oct-19	02-Nov-19	Completion testing																											
Commissioning					36.00		03-Nov-19	14-Dec-19	Commissioning																											
A2520 Site acceptance tests					18.00	0%	03-Nov-19	23-Nov-19	Site acceptance tests																											
A2530 Environmental performance testing					18.00	0%	24-Nov-19	14-Dec-19	Environmental performance testing																											
Documentation and Training					36.00		15-Dec-19	25-Jan-20	Documentation and Training																											
A2550 Information Management Compliance					12.00	0%	15-Dec-19	28-Dec-19	Information Management Compliance																											
A2560 Training					12.00	0%	29-Dec-19	11-Jan-20	Training																											
A2570 As-built documentation					12.00	0%	12-Jan-20	25-Jan-20	As-built documentation																											
Demobilization					12.00		26-Jan-20	08-Feb-20	Demobilization																											
A2540 Demobilise plant, equipment and materials from site					12.00	0%	26-Jan-20	08-Feb-20	Demobilise plant, equipment and materials from site																											
IA Central Server					250.00		12-Feb-19	19-Oct-19	IA Central Server																											
Mobilization					29.00		12-Feb-19	23-Mar-19	Mobilization																											
A3130 Provision of site offices, accommodation and associated utilities					20.00	0%	12-Feb-19	11-Mar-19	Provision of site offices, accommodation and associated utilities																											
A3100 Mobilization of Personnel and Equipment					10.00	0%	12-Mar-19	23-Mar-19	Mobilization of Personnel and Equipment																											

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critic...

Miles...

Date

Revision

Checked

Approved

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	2018												2019												2020		
						J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M
1	Civil Construction & Building	0.00																														
	Security Management System (SMS)	42.00		26-Mar-19	13-May-19																											
	A3160	SMS Primary and Fail-over Servers	14.00	0%	26-Mar-19	10-Apr-19																										
	A3170	Systems and Integration Licenses	14.00	0%	11-Apr-19	27-Apr-19																										
	A3360	Workstations	14.00	0%	28-Apr-19	13-May-19																										
	Access Control System	0.00																														
	Wide Area Detection System including Equipment ,Assessories & Integration Licenses	0.00																														
	Video Management System	28.00		14-May-19	15-Jun-19																											
	A3220	Fixed Cameras	14.00	0%	14-May-19	29-May-19																										
	A3460	Automatic Number Plate Recognition (ANPR) System-Genetec Autovu	14.00	0%	30-May-19	15-Jun-19																										
	Screening Equipment	0.00																														
	Pipeline ROW and Perimeter Security Systems	56.00		24-Mar-19	27-May-19																											
	A3260	Fence Mounted Perimeter Intrusion Detection System	14.00	0%	24-Mar-19	08-Apr-19																										
	A3270	Fence Mounted Pipeline ROW Intrusion Detection System	14.00	0%	09-Apr-19	24-Apr-19																										
	A3430	Perimeter Security Lighting	14.00	0%	25-Apr-19	11-May-19																										
	A3440	Pipeline ROW Securty Lighting	14.00	0%	12-May-19	27-May-19																										
	Security Command and Control	28.00		28-May-19	29-Jun-19																											
	A3280	Main Security Control Room	14.00	0%	28-May-19	12-Jun-19																										
	A3290	Main Security Equipment Room	14.00	0%	13-Jun-19	29-Jun-19																										
	Pre-commissioning	24.00		30-Jun-19	27-Jul-19																											
	A3110	Fabrication inspection and testing	12.00	0%	30-Jun-19	13-Jul-19																										
	A3120	Completion testing	12.00	0%	14-Jul-19	27-Jul-19																										
	Commissioning	24.00		28-Jul-19	24-Aug-19																											
	A3300	Site acceptance tests	12.00	0%	28-Jul-19	10-Aug-19																										
	A3310	Environmental performance testing	12.00	0%	11-Aug-19	24-Aug-19																										
	Documentation and Training	36.00		25-Aug-19	05-Oct-19																											
	A3330	Information Management Compliance	12.00	0%	25-Aug-19	07-Sep-19																										
	A3340	Training	12.00	0%	08-Sep-19	21-Sep-19																										
	A3350	As-built documentation	12.00	0%	22-Sep-19	05-Oct-19																										
	Demobilization	12.00		06-Oct-19	19-Oct-19																											
	A3320	Demobilise plant, equipment and materials from site	12.00	0%	06-Oct-19	19-Oct-19																										
	Commissioning/Handover		0.00																													

