1         Contract Key Date         1066 days         01/1/16         30/05/20           2         Decasesion Data         0.04/26         01/1/16         01/1/16         01/1/16           3         Contract Commentaries Date         0.04/26         01/1/16         01/1/16         01/1/16           4         Section 61 - Acidy Phine 164. GP3         61 days         01/0/16         01/0/16         01/0/16           5         Section 61 - Acidy Phine 164. GP3         62 days         01/0/16         01/0/16         01/0/16           6         Section 61 - Acid Cy Info 100 phicures 1 sepositie         426 days         01/0/16         01/0/16         01/0/16           6         Section 7 - Acid Cy Info 104. DESC Add EL EL EL E. March 106         01/0/16         01/0/16         01/0/16         01/0/16         01/0/16           6         Section 7 - Acid Cy Info 104. DESC Add Constructon New 2/4/V Trench at Ly         01/0/16<	D	Task Name	Duration	Start	Finish	January 2019 February 201
9         Contract Communication Date         0.dsy         0.111/16         0.111/16           Section A: LPS Sta Offse Building         410 days         191/276         310/276           Section A: LPS Sta Offse Building         410 days         191/276         310/276           Section A: LPS Sta Offse Building         122 days         10.0297         311/276           Section B: LPS Starbard Research & associated input work         122 days         10.0297         311/276           Section F: Alexa Starp days         10.0297         311/276         311/276           Section F: Alexa Starp days         10.0297         310/267         310/267           Section F: Alexa Starp days         10.0297         310/267         310/2676           Section F: Alexa Starp days         10.0178         300/2678         300/2678           Section F: Alexa Starp days         10.0178         300/2678         300/2678           Section F: Line Starp days anotal AAA         122 days         01.01678         300/2678           Section F: Line Starp days anotal AAA         122 days         01.01678         300/2678           Section F: Line Starp days anotal AAA         122 days         01.01678         300/2678           Section F: Line Starp days anotal AAA         120 days         01.016778	1	Contract Key Date	1308 days	01/11/16	31/05/20	
Section A1 - Modify Printing at Ear. GRS         61 drage         0111/16         3110/18           Section A2 - LoS site Office Datability         410 days         162/12/16         1000/18           Section A2 - Area C1 - Head IU G structures & Temp, Access for Empolyne's Speciality         426 days         012/12/16         1000/18           Section A2 - Area C1 - Head A MSBL101 for Empolyne's Speciality         457 days         501/17/16         1000/18           Section A2 - Area C1 - Head A MSBL101 for Empolyne's Speciality         457 days         101/17/6         2100/18           Section A1 - Model File AS Spannel L1G - Expact & Communition New 275KV Trench at LV         777 days         0101/16         3000/18           Section A1 - Model File AS Spannel L1G - Expact & Communition New 275KV Trench at LV         777 days         0101/16         3000/18           Section A1 - Cas Signapprotend work at Area C11         745 days         0101/16         3000/18         3000/18           Section A1 - Cas Signapprotend work at Area C11         745 days         0101/16         1011/16         3000/18           Section A1 - L1O Chimmy Flue and A&AD & pipe ack formation         310 days         0101/16         3100/18         3010/18           Section A1 - Life Bright accement and a work a         46 days         0111/16         410/19         3100/18         3011/16	2	Possession Date	1308 days	01/11/16	31/05/20	
5         Section X2 - UPS Bits Offane Exalting         410 days         181/21/8         310/21/8           6         Section X2 - Sunchapper elocation & associated top-up work         122 days         01/20/17         11/22/16         11/02/18           7         Section C2 - Sunchapper elocation & associated top-up work         122 days         01/20/17         31/22/17         11/02/18           8         Section C - OF Pump Equity (Stage at 15 & 16, 15 & 16, 15 & 16 days         221/21/8         11/05/18         31/05/18           10         Section D - Form Alling AS, AsA at 15 & 16, 16, 16 Enotish Stafe Toller         51/6 days         01/01/17         31/05/18           11         Section D - Form Alling AS, AsA at 15 & 16, 16, 16 Enotish Stafe Toller         51/6 days         01/01/17         31/05/18           12         Section D - Comm Finise TReads         Asa 20 day         01/04/18         01/04/19         31/04/18           13         Section D - Link Gridge A sociated AAA         Asa 20 day         01/04/19         11/17/16         31/17/16           14         Section D - Link Gridge A sociated AAA         45 days         01/04/17         31/02/18           15         Section D - Link Gridge A sociated AAA         45 days         01/07/19         31/02/18           15         Section D - Link Gridge A sociated AAA	3	Contract Commencement Date	0 days	01/11/16	01/11/16	
9         Section B1 - Area C122 incl. all UC structures. & Temp. Access for Employer's Specialit         426 days         12/12/16         100/12/16           9         Section C - Area C3, HHSG & MOSELLO IN FERO/Perf & Specialit         426 days         13/12/16         13/02/17         31/12/17           10         Section D - CW / Isong Equip. Rm No. 4         43         55 days         01/04/17         31/02/17           10         Section D - CW / Isong Equip. Rm No. 4         40         355 days         01/04/17         31/02/16           3         Section D - CW / Isong Equip. Rm No. 4         40         355 days         01/04/17         31/02/16           3         Section D - CW / Isong Equip. Rm No. 4         40         40         400/116         30/04/16           3         Section H - Gas Support foundation & Anne Area C11         745 days         01/01/16         30/04/16           5         Section H - Life Olds Resource and Al Al D S pips rack formation         31/9 days         01/01/16         31/04/17         31/04/17           6         Section H - Life Olds Resource and Al Al D S pips rack formation         00 days         01/01/16         31/04/17         31/04/17           6         Section H - Life Olds Resource Al Al Al D S pips rack formation         00 days         01/01/16         30/04/16	4	Section A1 - Modify Plinth at Ext. GRS	61 days	01/11/16	31/12/16	
Section D2         - Surching relocation & associated top-up works         122 days         01/08/17         01/08/17         01/08/17         01/08/17         01/08/17         01/08/17         01/08/17         01/08/17         01/08/17         01/08/17         01/08/17         01/08/17         01/08/17         01/08/18           0         Section D - Romaining of MSBU10 - HBSO, AAA at U.9 & LB, Ext. & Demolin Bito Difference         01/08/17         01/08/18	5	Section A2 - LPS Site Office Building	410 days	18/12/16	31/01/18	
5         Section C - Area C3, HISC & MSBUTO RE Endoyer's Specialist         457 days         141/216         1403/18           6         Section D - CW Fum Figup, Rm No. 4         365 days         21/06/17           8         Section D - CW Fum Figup, Rm No. 4         365 days         01/04/17         31/03/18           2         Section F - Was Borga & Handing Facilies         275 days         01/06/17         31/06/18           2         Section F - Uses Strange & Handing Facilies         275 days         01/06/17         30/06/18           3         Section F - Loss Support Location A No. 4 CW Inste         727 days         01/06/17         51/17           5         Section F - Loss Support Location A Area C10         745 days         01/01/18         151/176           6         Section F - Shurk Resorts RA Foundation         755 days         00/01/17         150/01/18           6         Section J - Shurk Resorts RA Foundation         700 days         01/11/16         150/01/18           7         Section J - Cable Route CPX182 cable diversion & whole of work except defarred works         30 days         01/11/16         150/218           8         Section J - Cable Route CPX182 cable diversion & whole of work except defarred works out in the days         01/11/16         150/218           8         Section J - Cable Route	5	Section B1 - Area C1&2 incl. all UG structures & Temp. Access for Empolyer's Specialis	426 days	12/12/16	10/02/18	
9         Section D. Fernalming of MSBU10, HRSG, AAA ALL 94, L2, Ext, & Demolers, Biel Toilet         516 days         221/21/6         221/01/6         210/01/7         310/31%           1         Section E Middle If A South of L10. Expose & Construction New 275kV Trench ALLY.         577 days         01/11/16         310/31%           3         Section E Middle If A South of L10. Expose & Construction New 275kV Trench ALLY.         577 days         01/11/16         310/31%           3         Section H Gas Stappot Hundlein A Struch at Area C11         76 days         01/01/18         151/118           5         Section H Gas Stappot Hundlein A Struch at Area C11         76 days         01/01/18         151/118           6         Section H Link Bright A Strandsten AAA         455 days         60/01/17         63/04/17         63/04/17           8         Section J Link Bright A Strandsten AAA         455 days         60/01/17         63/04/18         10/01/18         10/01/18         10/01/18         10/01/18         10/01/18         10/01/18         10/01/18         10/01/18         10/01/18         10/01/18         10/01/18         10/01/18         10/01/16         10/01/16         10/01/18         10/01/18         10/01/18         10/01/18         10/01/18         10/01/18         10/01/18         10/01/18         10/01/16	7	Section B2 - Surcharge relocation & assoicated top-up works	122 days	01/09/17	31/12/17	
0         Section D- CW Fung Equip. Rm No. 4         386 days         00/04/17         3103/18           1         Section F- Middle Rd S Sould 10.10. Expose A construction New 275KV Trench 11.W         480 days         00/05/17         3103/18           2         Section C- Demin. Plent Road No.3 Outlaid         273 days         00/05/18         3003/18           4         Section C- Modification at No.4 CW Inske         122 days         00/05/18         3003/18           5         Section H- Gas Support toundation & trench at Area C11         745 days         01/01/18         1511/18           6         Section H- CRS Improvement work at Area C10         441 days         05/08/17         1511/18           7         Section H- Cas Support toundation & trench at Area         455 days         06/01/17         3003/18           8         Section I- Cable Route CPK 45 Caubed diversion & whole diversion & 417 days         08/02/18         3103/18         1003/19           9         Section J- Cable Route CPK 42 Caubed diversion & whole diversion & 417 days         08/02/19         1011/16         301/16           9         Deferred works during QLP         336 days         01/07/19         3105/20         10/07/19         105/20           0         Deferred works during QLP         336 days         01/07/16         30/05/17	8	Section C - Area C3, HRSG & MSBU10 for Empolyer's Specialist	457 days	13/12/16	14/03/18	
1         Section F Mickel RA & South of L10. Expose & Construction New 275N/ Tranch at LW         977 (asys         91/1916         3105/18           2         Section G Demin. Plant Road & N.3. Outfall         273 days         01/00/18         3105/18           3         Section G Demin. Plant Road & N.3. Outfall         273 days         01/00/18         3000/18           4         Section G Demin. Plant Road & N.3. Outfall         273 days         01/00/18         3000/18           5         Section H GoS Support foundation & Krench at Area C11         745 days         01/01/18         15/11/18           6         Section H Link Endog & Sacciand AAA. L0 & pipe rack formation         310 days         01/01/18         15/11/18           7         Section J Link Endog & Sacciand AAA.         455 days         00/01/17         05/01/18           8         Section J Caule Route CPX182 cable diversion & whole of work except deferred         750 days         01/11/16         3103/18           9         Section J Caule Route CPX182 cable diversion & whole of work except deferred         750 days         01/11/16         8001/11           1         Deferred days formation Strang Submissions         14 days         01/11/16         8001/11         16/01/11           6         Deferemot Apoproaral Strang Submission S Approval from HEC for Genera	)	Section D - Remaining of MSBU10, HRSG, A&A at L9 & L8, Ext. & Demolish Site Toilet	516 days	22/12/16	21/05/18	
2         Section F-Ues Storage & Handling Facilities         488 days         0100171         3000176           4         Section C - Modification at Na. 4 CW Intake         122 days         0100176         3000176           5         Section H- Gas Support Intaka A Na 20 CHI         745 days         0100176         1571178           6         Section H- Gas Support Intaka A Na 20 CHI         745 days         0100171         1571178           7         Section H- Inc Kas Support Intandation & Incent A A Irage CHI         745 days         0100171         1571178           7         Section H- Link Endoce A RA A         405 days         0100171         1571178           7         Section IS - Linc Emanch SH F Faundation         00 days         0101710         3103979           8         Section IS - All remaining wrisk except deferred works         417 days         0802016         3103979           9         Deforted works during DLP         336 days         0117171         310520           9         Deforted works during DLP         336 days         0117171         310520           9         Deforted works during DLP         30 days         011116         3011176           11         Mabilization         14 days         011116         3011176           11 <td>0</td> <td>Section D - CW Pump Equip. Rm No. 4</td> <td>365 days</td> <td>01/04/17</td> <td>31/03/18</td> <td></td>	0	Section D - CW Pump Equip. Rm No. 4	365 days	01/04/17	31/03/18	
3         Section C - Demin. Plant Road & No.3 Outfail         273 days         0100116         3000018           6         Section C - Modification and A CW Intake         122 days         0100216         3000018           6         Section H1 - Gas Support foundation & trunch at Area C11         745 days         0111116         1511118           6         Section H3 - LOS Ripmorement work at Ace C10         441 days         0100116         1511118           7         Section H3 - LIO Chimmey Flue and ASA US 2 pips rack formation         319 days         0100116         5101118           8         Section L3 - Insenting Section S A lemaning work except deferred works         417 days         000218         310319           1         Section J - Cable Route CPX182 cable diversion & whole of work except deferred works during DLP         36 days         011116         3011218           2         Deferrad works during DLP         36 days         011116         110147176         0000218           4         Section J - Cable Route CPX182 cable diversion & whole of work except deferred works during DLP         36 days         011116         110116           4         300 days         011116         3101216         0101176         14 days           4         Section J - Cable Route CPX182 cable diversion & whole of work except deferred works         45	1	Section E - Middel Rd & South of L10. Expose & Construction New 275kV Trench at LN	577 days	01/11/16	31/05/18	
4         Section G - Modification at No. 4 CW Intake         112 days         01/00/16         3000/16           Section H - Cass Support Numbers A Area C10         441 days         01/01/16         1511/18           6         Section H - Cass Support Numbers A Area C10         441 days         01/01/18         1511/18           7         Section H - Link Bingle A associated AAA         455 days         01/01/19         31/03/19           8         Section B - All remaining work accept deferred works         417 days         00/01/19         31/03/19           9         Section D - All remaining work accept deferred works         417 days         01/01/16         30/02/18           1         Section D - All remaining work accept deferred works         417 days         01/07/19         31/05/20           3         General & Prelimaxy         52 days         01/11/16         30/02/18         Section D - Cable Root CPX182 cable diversion & whole of work except vorks to be carried out in DLP         50 days         01/01/16         12/01/16           4         Sature Transportary Store Office and Utilities         30 days         01/01/16         12/01/16           5         Formal Action Store Carree Construction         7 days         08/01/17         16/01/17           6         Formal Scantroling Removal         14 days <t< td=""><td>2</td><td>Section F - Urea Storage &amp; Handling Factilies</td><td>488 days</td><td>01/05/17</td><td>31/08/18</td><td></td></t<>	2	Section F - Urea Storage & Handling Factilies	488 days	01/05/17	31/08/18	
Section H1 - Gas Support foundation & Yench at Ana C11         74 days         011118           Section H2 - GRS Improvement work at Area C10         441 days         0100/17         15111/18           Section H3 - L10 Chimney Flue and A&A 19 & pipe rack formation         319 days         0100/17         155111/8           Section H3 - L10 Chimney Flue and A&A 19 & pipe rack formation         90 days         0100/17         0550/18           Section L2 - Shurt Reador SR4 Foundation         90 days         0100/17         0550/18           Section L3 - Allermaning work except deferred works         417 days         0400/21         3103219           Section L3 - Cable Route CPX182 cable diversion & whole of work except deforred         790 days         01111/6         301218           Ceneral A Preliminary         552 days         01111/6         3001116         301116           Fell Mohaling         90 days         01111/6         301116         301116           Fell Minary         552 days         01111/6         14111/6         221216           Fell Minary         Section J - Cable Route CPX182 cable diversion & whole of work except deformation         14 days         01111/6         14111/6           Fell Minary         Section H3         45 days         01111/6         14111/6         141111/6           Fellerick and	,	Section G - Demin. Plant Road & No.3 Outfall	273 days	01/01/18	30/09/18	
5         Section H2 - GRS Improvement work at Area C10         441 days         01/02/118         15/11/18           5         Section H2 - IG Chimery Plue and A&LA So pipe neck formation         319 days         0/10/118         15/11/18           5         Section H2 - IO Chimery Plue and A&LA So pipe neck formation         90 days         0/10/119         31/03/19           6         Section L3 - All remaining work except deferred works         417 days         0/00/119         31/03/19           7         Section L3 - All remaining work except deferred works         417 days         0/00/119         31/06/20           7         Optimization Section L3 - Cable Rote CPX182 cable diversion & whole of work except deferred         700 days         0/11/1/16         30/12/18           7         Section L3 - Cable Rote CPX182 cable diversion & whole of work except deferred         700 days         0/11/1/16         30/12/18           7         Section D1P         36 days         0/11/1/16         30/02/18         1/00/17           7         Deferred works during D1P         52 days         0/11/16         1/01/17         1/01/17           7         Deferred works during D1P         54 days         0/11/16         1/01/17         1/01/17           8         Function D1 Tower Crane Erection         1/0 days         1/01/17	ŧ	Section G - Modification at No. 4 CW Intake	122 days	01/06/18	30/09/18	
5         Section H2 - GRS Improvement work at Area C10         441 days         01/07/17         15/11/18           6         Section H2 - GRS Improvement work at Area C10         319 days         01/01/18         15/11/18           6         Section H1 - Link Bridge & associated A&A         455 days         00/01/17         05/03/19           7         Section B2 - Shart Reactor SAF Expandation         90 days         01/01/18         15/11/18           7         Section D1 - Alle Route CPX182 cable diversion 8, whole of work excapt deferred         700 days         01/01/16         30/12/18           7         Section D1 - Cable Route CPX182 cable diversion 8, whole of work excapt deferred         700 days         01/01/16         30/12/18           8         Section D1 DLP         336 days         01/01/16         30/11/16         30/11/16           9         Deferred works during DLP         336 days         01/01/16         14/01/16         14/11/16           16         Freil Mobilization         14 days         01/11/16         15/11/16         15/11/16           17         Deferred works during DLP         5 days         01/11/16         15/11/16         15/11/16           16         Freil Mobilization         14 days         01/11/16         15/11/16         15/11/16	5	Section H1 - Gas Support foundation & trench at Area C11	745 days	01/11/16	15/11/18	
Section H3 - L10 Chilmory Flue and A&A L9 & pipe rack formation         319 days         01/1/16         51/1/18           Section H1 - Link Bridge Associated A&A         455 days         00/01/17         05/00/18         13/03/19           Section J2 - Shunt Reactor SR4 Foundation         90 days         00/11/19         31/03/19         Image: Control Conten Control Control Control Control Control Control Control Contr	ز		441 days	01/09/17	15/11/18	
3         Section 11 - Link Endige & associated A&A         455 days         06/01/17         05/04/18           3         Section 15 - All remaining work except deferred works         477 days         08/02/18         31/03/19           3         Section 15 - All remaining work except deferred works         477 days         08/02/18         31/03/19           3         Section 17 - Cable Route CPX182 cable diversion & whole of work except deferred works         790 days         01/11/16         30/12/18           4         Deferred works during DLP         336 days         01/11/16         30/11/16         30/11/16           5         Section 17 convers during DLP         336 days         01/11/16         30/11/16         30/11/16           6         General & Preliminary         552 days         01/11/16         30/11/16         30/11/16           7         Permit Applications & Statuary Submissions         45 days         00/11/16         20/11/16         13/11/16           7         Tower Crane Construction         7 days         03/04/17         11/04/17         10/04/17           8         Extending Unities scanning & Excavation Premit         45 days         00/11/16         20/01/18           1         Tower Crane Crane Construction         12 days         03/04/17         10/04/17	/		-			
9         Social 2 - Shurt Reactor SR4 Foundation         90 days         91/01/19         31/03/19           1         Social 3 - Alt remaining work except detered works         417 days         08/02/18         31/03/19           2         Deterred works during DLP         336 days         01/01/16         30/12/18           2         Deterred works during DLP         336 days         01/01/16         06/05/18           3         General 4 Proliminary         552 days         01/11/16         30/12/18           4         Satu D Temporary Site Office and Utilities         14 days         01/11/16         14/11/16           5         Full Mobilization         14 days         00/11/16         16/11/16         20/12/16           7         Existing Utilities scanning & Exavation Permit         45 days         01/11/16         11/16/16         16/11/16           8         Tower Crane Erection         7 days         03/04/17         10/04/17         10/04/17           1         1.10 MSE External Scattoling Perroval         14 days         20/04/18         22/04/18           3         Submission and Approval         14 days         03/04/17         03/01/17         20/01/18           1         1.10 MSE External Scattoling Peroval         20 days         01/11/16 </td <td>3</td> <td></td> <td>•</td> <td></td> <td></td> <td></td>	3		•			
2         Section 13 - Alt remaining work accept deferred works         417 days         0902/18         3103270         anonumber of the provided of the	9	-	•			
works to be carried out in DLP386 days01/07/192Deferred works during DLP386 days01/07/183General & Preliminary552 days01/11/164Set up Temporary Site Office and Utilities30 days01/11/165Full Mobilization14 days01/11/166Full Mobilization14 days01/11/167Full Mobilization45 days01/11/166Existing Utilities scanning & Excavation Permit45 days01/11/167Foundation of Tower Crane Construction7 days23/04/187Tower Crane Eraction5 days23/04/1810Tower Crane (including Foundation)14 days23/04/18110 MSE External Scaffolding Removal12/04/1718/04/17110 MSE External Scaffolding Removal450 days01/11/162400 High Model, CSD & Consent (If required)90 days01/11/167BM Model, CSD & Consent (If required)90 days01/11/168BM Model, CSD & Consent (If required)90 days01/11/169Metal Cladding, Louve & windows shop drawing submission8 D Approval30 days30/01/1711Metal Cladding, Louve & windows shop drawing submission100 days31/03/1728/09/1712Order, Off Site Fabrication and Delivery (S. Steel & Cladding & Louves)190 days31/03/1713Structure Steelwork Shop Drawing & Approval60 days31/03/1728/09/1714Metal Cladding, Louve & windows shop drawing submissi	)	Section I3 - All remaining work except deferred works	417 days	08/02/18	31/03/19	
B         General & Preliminary         552 days         01/11/16         6000/18           Image: Set up Temporary Site Office and Utilities         30 days         01/11/16         30 /11/16         30 /11/16           Image: Set up Temporary Site Office and Utilities         30 days         01/11/16         1/11/16         30 /11/16           Image: Set up Temporary Site Office and Utilities scanning & Excavation Permit         45 days         01/11/16         1/11/16         1/11/16           Image: Set up Temporary Site Office and Utilities scanning & Excavation Permit         45 days         0/11/116         1/11/16         1/11/16           Image: Set up Temporary Site Office and Utilities scanning & Excavation Permit         45 days         0/11/116         1/11/16         1/11/16           Image: Set up Temp Set Up Temp Verb Submission Reproval from HEC for General Works         2/200/17         0/01/18         2/200/18           Image: Set Up Temp Verb Submission & Approval from HEC for General Works         2/00 days         0/11/16         2/200/18           Image: Set Up Temp Verb Submission & Approval from HEC         2/00 days         0/11/16         2/200/17           Image: Set Up Temp Verb Submission & Approval         6/0 days         0/01/17         2/800/17           Image: Set Up Temporary Set Up Submission & Approval         6/0 days         3/0/01/17         2/800/1			790 days	01/11/16	30/12/18	Section J - Cable Route CPX1&2 cable diversion & whole of work except deferr
4         Set up Temporary Site Office and Utilities         30 days         01/11/16         30/11/16           5         Full Mobilization         14 days         01/11/16         14/11/16           6         Full Mobilization         14 days         00/11/16         12/12/16           7         Existing Utilities scanning & Excavation Permit         45 days         06/11/16         12/12/16           7         Foundation of Tower Crane Construction         7 days         05/01/17         11/04/17           8         Foundation of Tower Crane Cinctuction         5 days         12/04/17         16/04/17           9         Tower Crane Effection         120 days         12/09/17         16/04/17           10         NBS External Scaffolding rection         120 days         06/05/18           2         L10 MSB External Scaffolding rection         450 days         0/11/16         24/01/18           3         Submission and Approval         450 days         0/11/16         24/01/18           4         Method Statement / Temp Work Submission & Approval from HEC         200 days         0/11/16         24/01/18           5         BD Approval & Connection Design Submission & BD Approval         30 days         30/01/17         30/03/17           6         Gays <td>2</td> <td>Deferred works during DLP</td> <td>336 days</td> <td>01/07/19</td> <td>31/05/20</td> <td></td>	2	Deferred works during DLP	336 days	01/07/19	31/05/20	
Full Mebilization         14 days         01/11/16         14/11/16           Permit Applications & Statuary Submissions         45 days         08/11/16         12/12/16           Existing Utilities scanning & Excavation Permit         45 days         01/11/16         15/12/16           Tower Crane Construction         7 days         05/04/17         11/04/17           Tower Crane (Including Foundation)         14 days         23/04/18         06/05/18           L10 MSB External Scatfolding records         14 days         09/04/18         22/04/17           Submission and Approval         14 days         09/04/18         22/04/17           BD Approval & Connectin Design Submission & Approval from HEC for General Works         240 days         01/11/16         28/02/17           BB M Model, CSD & CKDW Submission & Approval         90 days         01/12/16         28/02/17           Structure Steelwork Connection Design Submission & BD Approval         30 days         30/11/2         28/02/17           Structure Steelwork Shop Drawing & Approval         30 days         30/11/2         28/02/17           Metal Cladding, Louvre & windows submission & BD Approval         30 days         30/01/17         30/03/17           Corder, Off Site Fabrication and Delivery (S. Steel & Cladding & Louvres)         18/0         4/02/17         30/03/17 <td>\$</td> <td>General &amp; Preliminary</td> <td>552 days</td> <td>01/11/16</td> <td>06/05/18</td> <td></td>	\$	General & Preliminary	552 days	01/11/16	06/05/18	
Full Mebilization         14 days         01/11/16         14/11/16           Permit Applications & Statuary Submissions         45 days         08/11/16         12/12/16           Existing Utilities scanning & Excavation Permit         45 days         01/11/16         15/12/16           Tower Crane Construction         7 days         05/04/17         11/04/17           Tower Crane (Including Foundation)         14 days         23/04/18         06/05/18           L10 MSB External Scatfolding records         14 days         09/04/18         22/04/17           Submission and Approval         14 days         09/04/18         22/04/17           BD Approval & Connectin Design Submission & Approval from HEC for General Works         240 days         01/11/16         28/02/17           BB M Model, CSD & CKDW Submission & Approval         90 days         01/12/16         28/02/17           Structure Steelwork Connection Design Submission & BD Approval         30 days         30/11/2         28/02/17           Structure Steelwork Shop Drawing & Approval         30 days         30/11/2         28/02/17           Metal Cladding, Louvre & windows submission & BD Approval         30 days         30/01/17         30/03/17           Corder, Off Site Fabrication and Delivery (S. Steel & Cladding & Louvres)         18/0         4/02/17         30/03/17 <td>1</td> <td>Set up Temporary Site Office and Utilities</td> <td>30 days</td> <td>01/11/16</td> <td>30/11/16</td> <td></td>	1	Set up Temporary Site Office and Utilities	30 days	01/11/16	30/11/16	
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<ul> <li>Method Statement / Temp Work Submission &amp; Approval from HEC for General Works</li> <li>BD Approval &amp; Consent (If required)</li> <li>90 days</li> <li>01/12/16</li> <li>28/02/17</li> <li>BIM Model, CSD &amp; CBWD Submission &amp; Approval from HEC</li> <li>200 days</li> <li>01/12/16</li> <li>18/06/17</li> <li>Structure Steelwork Connection Design Submission &amp; BD Approval</li> <li>30 days</li> <li>30/01/17</li> <li>28/02/17</li> <li>Structure Steelwork Shop Drawing &amp; Approval</li> <li>30 days</li> <li>30/01/17</li> <li>28/02/17</li> <li>Metal Cladding, louvre &amp; windows submission &amp; BD Approval</li> <li>60 days</li> <li>30/01/17</li> <li>30/03/17</li> <li>Metal Cladding, louvre &amp; windows submission &amp; BD Approval</li> <li>60 days</li> <li>31/03/17</li> <li>30/03/17</li> <li>26/09/17</li> <li>Order, Off Site Fabrication and Delivery (S. Steel &amp; Cladding &amp; louvres)</li> <li>180 days</li> <li>31/03/17</li> <li>28/06/17</li> <li>20 CW Culver (Inlet) ELS BD approval &amp; consent</li> <li>90 days</li> <li>31/03/17</li> <li>28/07/17</li> <li>26/07/17</li> <li>Sumission &amp; Approval of Steel Flue Assessment Report and Design Drawings</li> <li>210 days</li> <li>21/0 days</li> <li>21/0 days</li> <li>21/0 days</li> <li>21/0 days</li> <li>21/0 days</li> <li>21/0 1/17</li> <li>26/07/17</li> <li>26/07/17</li></ul>	3	5	•			-
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			-			-
		Inlet Culvert Box Verical Puddle Pipes Installation	7 days	05/09/17	11/09/17	-
4     Template setting in at L10 Turbo Block Foundation     45 days     12/10/17     25/11/17		•	-			-

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Half

rred works to be carried out in DLP

ID Task	Name	Duration	Start	Finish	January 2019	
55	Template setting of holding down bolts at HRSG Column Base	45 days	16/08/17	29/09/17		
56	I-beam/ Channel Base Installation on top of Transformer Foundations at Transformer A	32 days	12/10/17	12/11/17		
57	Overhead crane rail installation	14 days	15/01/18	28/01/18		
3	Overhead Crane Erection at Turbine Hall using Access through a Temporary Opening at L10 MSB Roof between GL 10-G to 10-H and 10-2 and 10-6	21 days	29/01/18	18/02/18		
)	Condenser Assembly and Erection using Access through a Temporary Opening at L10 MSB below 1/F along GL 10-6 from GL 10-B to 10-C including a Clear Space below 1/F between GL 10-B to 10-C	89 days	01/02/18	30/04/18		
0	Installation of Power Train Equipment including Air Inlet Duct using Access through a Temporary Façade Opening at L10 MSB below 1/F along GL 10-6 from GL 10-F to 10-H including a Clear Space below 1/F of the above Area	89 days	07/02/18	06/05/18		
51	Installation of Equipment in L10 HRSG Area after the Temporary Paving was Removed to Expose the Respective Foundations by the Contractor	78 days	15/08/18	31/10/18		
2	Installation of Embedded Materials such as Holding Down Bolts for Equipment Foundati	200 days	30/07/17	14/02/18		
3 <b>S</b> e	ection A1 - Modify Plinth at Ext. GRS	61 days	01/11/16	31/12/16		
4	Existing Plinth Removal	18 days	01/11/16	18/11/16		
5	Wall Base & Plinth Construction	45 days	17/11/16	31/12/16		
i Pi	pe Rcak at Unit 9 North (VO under El No. 6)	197 days	29/01/17	14/08/17		
7	Consent and BA10 Submissions	0 days	29/01/17	29/01/17		
8	Hoarding & Plant Load Test	18 days	30/01/17	16/02/17		
9	Footing Construction & Reinstatement	120 days	17/02/17	16/06/17		
C	Structural Steel Fabrication, Delivery & Erection	60 days	16/06/17	14/08/17		
1 <b>S</b> e	ection A2 - LPS Site Office Building	457 days	01/11/16	31/01/18		
2	Submissions of Shop Drawings and Approval	90 days	01/11/16	29/01/17		
;	Submisson & Approval of CSD & CBWD	60 days	15/01/17	15/03/17		
	Complete site clearance by HKE	0 days	01/11/16	01/11/16		
5	Demolish of existing site office	21 days	01/11/16	21/11/16		
3	BA 10 Application	0 days	01/11/16	01/11/16		
7	Erection of Hording	7 days	01/11/16	07/11/16		
3	Plate Load Test	7 days	08/11/16	14/11/16		
9	Installation of Earthing Grid	18 days	15/11/16	02/12/16		
0	Construction of pad footing, bearing wall, columns up to G/F	45 days	03/12/16	16/01/17		
1	Chinese New Year	10 days	27/01/17	05/02/17		
2	Backfill & UG Drainage within Building	75 days	17/01/17	01/04/17		
3	Backfill & Blinding	4 days	02/04/17	05/04/17		
4	Construct G/F on-grade slab & External Scaffold Erection	12 days	06/04/17	17/04/17		
85 86	RC Walls, Columns and Slab up to 1/F RC Walls, Columns and Slab up to R/F	100 days 40 days	18/04/17 13/07/17	26/07/17 21/08/17		
57	Parapet Wall, FS Water Tank, Top Roofs + RC curb, hatch door etc	21 days	22/08/17	11/09/17		
8	Waterproofing for Liift pit + Water test	14 days	15/08/17	28/08/17		
9	G/F Window, Louvre, Doors Frame & Shutter Frame	30 days	26/08/17	24/09/17		
0	G/F Finishing Works	45 days	09/09/17	23/10/17		
90	G/F Plumbing & Drainage Works	30 days	09/10/17	07/11/17		
2	G/F Sanitary Fitting and Cubicles	30 days	30/10/17	28/11/17		
3	G/F Other sundry metal, railing, etc	45 days	24/10/17	07/12/17		
4	G/F Placing Furnitures	10 days	21/01/18	30/01/18		
5	1/F Window, Louvre & Door Frames	30 days	21/09/17	20/10/17		
6	1/F Finishing Works	45 days	05/10/17	18/11/17		
7	1/F Plumbing, Sanitary Fittings & Drainage Works	21 days	04/11/17	24/11/17		
8	1/F Other sundry metal, railing, etc	60 days	21/10/17	19/12/17		
9	R+UR/F Waterproofing Installation + Testing	45 days	03/10/17	16/11/17		
00	R/F Finishing Works (incl. Water Tank & FS Pump Room)	45 days	03/10/17	16/11/17		
01	R/F Plumbing Works	14 days	17/11/17	30/11/17		
02	R/F Sundry Metal, Handrail & Glazed Railing	30 days	17/11/17	16/12/17		
03	Installation of Door a& Shutter leafs	30 days	17/11/17	16/12/17		
104	Handover of lift shaft	0 days	28/08/17	28/08/17		
05	Lift Installation + EMSD Inspection + Issue of Lift Cert	90 days	29/08/17	26/11/17		

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ID	Task Name	Duration	Start	Finish		
06	Electrial Installation		24/10/17	16/01/18	January 2019	Febr
00	Fire Service Installation	85 days 85 days	24/10/17	16/01/18		
)7 )8	MVAC Installation	85 days	24/10/17	16/01/18		
09	Testing & Commissioning Works	10 days	07/01/18	16/01/18		
10	External Wall Finishing Works	45 days	03/10/17	16/11/17		
10	Removal of Scaffolding	14 days	17/11/17	30/11/17		
112	External UG P&D and Road Works	100 days	22/08/17	29/11/17		
113	WWO046 Completion	0 days	22/00/17	29/11/17		
114	FSD Inspection	0 days	16/01/18	16/01/18		
115	Submit BA 13 Inspection	14 days	17/01/18	30/01/18		
116	Expected OP Issue	0 days	31/01/18	31/01/18		
117	Section B1 - Area C1&2 incl. all UG structures & Temp. Access for Empolyer's	277 days	10/05/17	10/02/18		
	Specialist	211 days	10/03/17	10/02/10		
118	C.W. Culvert System (Area C1 & C2) (~160m)	277 days	10/05/17	10/02/18		
119	Excavation to Formation Level (+1.1mPD)	18 days	10/05/17	27/05/17		
120	Construction of Binding & Plinth	14 days	19/05/17	01/06/17		
121	Pile Laying	14 days	02/06/17	15/06/17		
122	Thrust Box + Manhole Construction	14 days	16/06/17	29/06/17		
123	Water Test	4 days	30/06/17	03/07/17		
124	Backfill	7 days	04/07/17	10/07/17		
125	Return area to Sunley for L11 piling	120 days	11/07/17	07/11/17		
126	Cutting Sheet pile	14 days	08/11/17	21/11/17		
127	All underground Utilities	60 days	22/11/17	20/01/18		
128	Backfill & Reinstatement & Formation of Access	60 days	13/12/17	10/02/18		
129	Supporting Structure for Overhead Crane	30 days	16/12/17	14/01/18		
130	Section B2 - Surcharge relocation & assoicated top-up works	229 days	17/05/17	31/12/17		
131	Roadworks and External Works	229 days	17/05/17	31/12/17		
132	Surface Drainage Modification	60 days	17/05/17	15/07/17		
133	Remove of Surcharge Fill (~21500 m3)@ Area C2, C10 & C15 to Area B1, B2, D2, D3 and D4	45 days	01/09/17	15/10/17		
134	Construction of Access Road	60 days	16/10/17	14/12/17		
135	Existing Band Drains Cut-down (2520 nos)	90 days	03/10/17	31/12/17		
136	Section C - Area C3, HRSG & MSBU10 for Empolyer's Specialist	499 days	01/11/16	14/03/18		
137	HRSG Area Equipment Rm & Fdn - South (Area C7)	201 days	02/07/17	18/01/18		
138	Excavation to Formation Level	14 days	02/07/17	15/07/17		
139	Pile Head Treatment	14 days	16/07/17	29/07/17		
140	Pile Cap & Tie Beam - GL 10-H to 10H-H, 10-H5 to 10-9	60 days	23/07/17	20/09/17		
141	Pit Constructions	30 days	22/08/17	20/09/17		
142	All Underground Utilities	60 days	21/09/17	19/11/17		
143	Backfill & Reinstatement & Formation of Access Road	60 days	20/11/17	18/01/18		
144	HRSG Equipment Room	175 days	21/09/17	14/03/18		
145	Plate Load Test	10 days	21/09/17	30/09/17		
146	Underground Drainage	14 days	01/10/17	14/10/17		
147	HRSG Equipment RM Foundation + Backfill	18 days	15/10/17	01/11/17		
148	Construct G/F	14 days	02/11/17	15/11/17		
149	Roof Construction	24 days	16/11/17	09/12/17		
150	Parapet Wall	14 days	10/12/17	23/12/17		
151	ABWF Works	30 days	14/01/18	12/02/18		
152	Building Service Installations	30 days	13/02/18	14/03/18		
153	Ready for BA 13 Application	0 days	14/03/18	14/03/18		
154	Main Station Building Fdn, G/F &1/F	409 days	01/11/16	14/12/17		
155	Installation of Dewatering Well & King Post for Type A	14 days	01/11/16	14/11/16		
156	BD Consent for ELS Phase I MSBU10 Foundation	0 days	23/12/16	23/12/16		
157	BD Consent for ELS Phase II MSBU10 Foundation	0 days	13/01/17	13/01/17		
158	Turbo Block (Col portion)	21 days	22/08/17	11/09/17		
159	Turbo Block (Upper Portion) for handover to erection contractor	30 days	12/09/17	11/10/17		

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ר  כ	Task Name	Duration	Start	Finish
160	Substructure & G/F- GL SC1 to 10-F, 10-1 to 10-6	307 days	24/12/16	26/10/17
161	Excavation to Formation Level (Tx Bay Area + upto 10-D)	14 days	24/12/16	06/01/17
162	Cut-down Pile Head & treatment	45 days	28/12/16	10/02/17
163	Construction of Transformer Bay Foundations	60 days	11/02/17	11/04/17
164	Pile Cap & Tie Beam, Pits Construction	60 days	12/04/17	10/06/17
165	Bearing Wall, Column Post and G/F Plinths	60 days	11/06/17	09/08/17
166	Excavation, Waling & Struct (Type A & Type C)	60 days	26/04/17	24/06/17
167	CEP Drain Pit /Sump Pit Construction	14 days	25/06/17	08/07/17
168	Arrival of CW Culvert piping materials incl. flexible joint & other cast in materials	0 days	30/12/16	30/12/16
169	Construction of Culvert Outlet Box (1st pour)	18 days	25/06/17	12/07/17
170	Construction of Tie Beam/ Ground Beam + Outlet Box 2nd Pour	40 days	13/07/17	21/08/17
171	Construction of Culvert Inlet Box & Ground Beams	45 days	22/08/17	05/10/17
172	Backfill + Slabs & Drainage at G/F Area	21 days	06/10/17	26/10/17
173	Turbo Block Foundation (1st portion) + Temp work	35 days	18/07/17	21/08/17
174	Substructure & G/F- GL 10-F to 10-H, 10-1 to 10-6	278 days	07/01/17	11/10/17
175	Excavation to Formation Level (+2.425mPD & 5.025mPD)	60 days	07/01/17	07/03/17
176	Existing Sheet Pile Cut-down	7 days	08/03/17	14/03/17
177	Pile Head Treatment	14 days	15/03/17	28/03/17
178	Pile Cap & Tie Beam Construction	90 days	29/03/17	26/03/17
179	Complete excavation at Type B & Plate Load Test	65 days	15/03/17	18/05/17
180	Blow Down Sump (1st pour) + Mass Concrete for tie beams	50 days	27/06/17	15/08/17
181	Remaining Tie Beams + Column Post at North of Turbo Block	30 days	16/08/17	15/08/17
182	Backfill, Bearing Wall, Drainage and G/F Slab Construction	21 days	15/09/17	05/10/17
183	Pile Caps & Tie Beam at South of Turbo Block	30 days	22/08/17	20/09/17
184	Turbo Block Foundation (GL 10-F to H)	21 days	21/09/17	11/10/17
185	G/F & 1/F & Maintenance Floor	115 days	22/08/17	14/12/17
186		-	22/08/17	
	Steel Column & Beam Erections (other than for roof truss)	70 days		30/10/17
187	R.C. Structure Construction	45 days	31/10/17	14/12/17
188	Transformer Area	95 days	10/08/17	12/11/17
189	Fire Wall Construction	50 days	10/08/17	28/09/17
190	Slab & Plinths Construction + Backfill	45 days	29/09/17	12/11/17
191	C.W. Culvert System (Area C3)	202 days	11/06/17	29/12/17
192	Excavation to Formation Level	14 days	11/06/17	24/06/17
193	Construction of Binding & Plinth	3 days	25/06/17	27/06/17
194	CW Pipe Laying	14 days	28/06/17	11/07/17
195	Thrust Box Construction	14 days	12/07/17	25/07/17
196	Water Test	10 days	26/07/17	04/08/17
197	Backfill	14 days	05/08/17	18/08/17
198	Pile Cap & Tie Beam + Underground UU + Backfill	60 days	31/10/17	29/12/17
199	Section D - Remaining of MSBU10, HRSG, A&A at L9 & L8, CW Pump Equip. Rm No. 4 Ext. & Demolish Site Toilet	419 days	29/03/17	21/05/18
200	C.W Culvert System (Area C5)	142 days	30/12/17	20/05/18
201	Excavation to Formation Level (-2.8mPD) with ELS Installation	30 days	30/12/17	28/01/18
202	Construction of Binding & Plinth	7 days	29/01/18	04/02/18
203	Penstock Trial & Preparation for connection to existing outlet pipe	0 days	04/02/18	04/02/18
204	Pipe Laying (2 Pipes)	21 days	05/02/18	25/02/18
205	Water Test	10 days	26/02/18	07/03/18
206	Backfill	14 days	08/03/18	21/03/18
207	All underground Utilities	60 days	22/03/18	20/05/18
208	Backfill & Reinstatement & Formation of Access	60 days	22/03/18	20/05/18
209	HRSG Area Fdn - North (Area C6)	356 days	22/03/10 29/03/17	19/03/18
210	Excavation to Formation Level	21 days	29/03/17	18/04/17
210	Pile Head Treatment	14 days	19/04/17	02/05/17
211	Fdn North of HRSG Area GL 10-H to 10H-H, 10-1to 10H-5	-	03/05/17	02/05/17
212	Pan North of HRSG Area GL 10-H to 10H-H, 10-1to 10H-5 Pit Constructions	60 days	21/09/17	20/10/17
213		30 days		
214	Backfill	60 days	21/10/17	19/12/17

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-	ask Name	Duration	Start	Finish	January 2019	Fe
215	Underground UU & Formation of Access	90 days	20/12/17	19/03/18	Sandary 2013	
216	Main Station Building - Unit L10 Superstructure	229 days	05/10/17	21/05/18		
217	2/F	28 days	31/10/17	27/11/17		
218	Steel Beam Erection	18 days	31/10/17	17/11/17		
219	R.C. Structure Construction	10 days	18/11/17	27/11/17		
220	3/F	20 days	18/11/17	07/12/17		
221	Steel Beam Erection	18 days	18/11/17	05/12/17		
222	R.C. Structure Construction	10 days	28/11/17	07/12/17		
223	4/F	18 days	06/12/17	23/12/17		
224	Steel Beam Erection	18 days	06/12/17	23/12/17		
225	R.C. Structure Construction	10 days	08/12/17	17/12/17		
226	5/F & Roof except GL 10-G to 10-H and 10-2 to 10-6	168 days	05/10/17	21/03/18		
227	Steel Roof Truss Preparation	60 days	05/10/17	03/12/17		
228	Steel Roof Truss Erection + 2d Truss Bolt & Nut	35 days	04/12/17	07/01/18		
229	Steel Roof & Crane Rail Erection	21 days	25/12/17	14/01/18		
230	Slab Construction	45 days	18/12/17	31/01/18		
231	Upper Roof - Steel Roof Erection	21 days	15/01/18	04/02/18		
232	Upper roof RC construction	45 days	05/02/18	21/03/18		
233	Staircase Constructions	75 days	31/10/17	13/01/18		
234	Ceiling Scaffolding & Fendolite Installation to S. Steel Works	120 days	20/12/17	18/04/18		
235	External Metal Cladding Installation	120 days	24/12/17	22/04/18		
236	Internal ABWF Works	150 days	14/11/17	12/04/18		
237	BS Installation	175 days	28/11/17	21/05/18		
238	275kV Cable Trench (Area C5 &C6)	61 days	22/03/18	21/05/18		
239	Cable & Pipe Trench (C5 Area)	45 days	22/03/18	05/05/18		
240	Cable Trench (C6 Area)	45 days	07/04/18	21/05/18		
241	MSB UnitL9 - A&A	105 days	08/01/18	22/04/18		
242	Hack-off Lean Concrete	60 days	08/01/18	08/03/18		
243	Pipe Rack Support Construction	45 days	09/03/18	22/04/18		
244	MSB UnitL8 - A&A	120 days	02/09/17	30/12/17		
245	A&A Works	120 days	02/09/17	30/12/17		
246	C.W. Pump Equipment Room	276 days	28/06/17	31/03/18		
247	BA 10 Application	0 days	28/06/17	28/06/17		
248	Removal of RC fin from existing CW Pump Room	14 days	29/06/17	12/07/17		
249	Tree Transplant & falling	30 days	13/07/17	11/08/17		
250	Excavation & Raft Footing	45 days	12/08/17	25/09/17		
251	Underground Drainage + Backfill	18 days	26/09/17	13/10/17		
252	Construct G/F	14 days	14/10/17	27/10/17		
253	Roof Construction	45 days	28/10/17	11/12/17		
253	Parapet Wall	18 days	12/12/17	29/12/17		
255	ABWF Works	40 days	11/01/18	19/02/18		
256	Building Service Installations	40 days	20/02/18	31/03/18		
257	Extenal Pipe Rack Extension & Reinstatement Works	150 days	28/10/17	26/03/18		
258	Ready for BA 13 Application	0 days	31/03/18	31/03/18		
259	Demolition Work - Temporary Site Toilet	60 days	31/03/18 31/01/18	31/03/18 31/03/18		
260	Demolition of Temp. Site Toilet	60 days	31/01/18	31/03/18		
261	Section E - Middel Rd & South of L10. Expose & Construction New 275kV Trench at LMX	337 days	29/06/17	31/05/18 31/05/18		
262	275kV Cable Trench	120 days	29/01/18	28/05/18		
262	275kV Cable Trench Re-excavation (~172m)	120 days	29/01/18	28/05/18		
263	C.W. Culvert System (Area C9a & C15)	337 days	29/01/18 29/06/17	31/05/18		
265	Removal of existing paving block	8 days	29/06/17	06/07/17		
265	Install ELS Phase 1 + consent	-	07/07/17	04/09/17		
267	Excavation & Blinding & Construct Plinth	60 days	07/07/17	04/09/17		
267	Pipe Laying & Thrust Box	30 days	05/09/17	03/12/17		
269	Water Test and Backfill	60 days 14 days	05/10/17	17/12/17		

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#### Appendix J

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March 2019

	Task Name	Duration	Start	Finish
270	Underground UU and Reinstatement	120 days	18/12/17	16/04/18
271	Install ELS Phase 2 + consent	21 days	15/08/17	04/09/17
272	Blinding & Concrete Plinth	30 days	05/09/17	04/10/17
273	Pipe Laying and Thrust Box	45 days	04/12/17	17/01/18
274	Water Test & Backfill	14 days	18/01/18	31/01/18
275	Underground UU and Reinstatement	120 days	01/02/18	31/05/18
276	Section F -Urea Storage & Handling Factilies	488 days	01/05/17	31/08/18
277	Urea Handling & Storage Plant House, Electrical Room & Pipe Rack	488 days	01/05/17	31/08/18
278	BA 10 Application	7 days	01/05/17	07/05/17
279	Excavation to Formation Level	10 days	26/09/17	05/10/17
280	Plate Load Test	14 days	06/10/17	19/10/17
281	Raft Foundation (Urea HandIng Rm + Ele Rm)	30 days	20/10/17	18/11/17
282	Backfill	21 days	19/11/17	09/12/17
283	Construct G/F	21 days	10/12/17	30/12/17
284	Roof Construction	90 days	31/12/17	30/03/18
285	Parapet Wall	14 days	31/03/18	13/04/18
286	ABWF Works	60 days	14/04/18	12/06/18
287	Building Service Installations	80 days	13/06/18	31/08/18
288	Ready for BA 13 Application	0 days	31/08/18	31/08/18
289	Plate Load Test	14 days	06/10/17	19/10/17
290	Pipe Rack Foundation	28 days	20/10/17	16/11/17
291	Supporting Tower (4 no.) (9.55m in Height)	60 days	17/11/17	15/01/18
292	Pipe Rack Truss (3 no. )17.3m Span	60 days	16/01/18	16/03/18
293	Section G - Demin. Plant Road & Modification at No. 4 CW Intake	273 days	01/01/18	30/09/18
294	C.W Culvert System (Area C9b)	273 days	01/01/18	30/09/18
295	Site possession	0 days	01/01/18	01/01/18
296	Removal of paving block & ELS Installation + consent	60 days	01/01/18	01/03/18
297	Excavation to Formation Level with ELS Installation	30 days	02/03/18	31/03/18
298	Construction of Blinding & Plinth	21 days	01/04/18	21/04/18
299	Pipe Laying (2 pipes x ~45m)	30 days	22/04/18	21/05/18
300	Construction of Thrust Box	14 days	22/05/18	04/06/18
301	Water Test	7 days	05/06/18	11/06/18
302	Backfill	16 days	12/06/18	27/06/18
303	All underground Utilities	50 days	28/06/18	16/08/18
304	Backfill & Reinstatement & Formation of Access	45 days	17/08/18	30/09/18
305	Modification Works - No. 4 C.W. Intake & No.3 C.W. Outfall	183 days	01/04/18	<b>30/09/18</b>
306	No. 3 C.W. Outfall Modification	90 days	01/04/18	29/06/18
307	No. 4 C.W. Intake Modification	90 days	01/04/18	30/09/18
308		-	21/05/18	15/11/18
309	Section H1 - Gas Support foundation & trench at Area C11	179 days		
	GRS Support Foundation	179 days	21/05/18	15/11/18
310	Temporary Protection, advance work etc	14 days	21/05/18	03/06/18
311	Gas Pipe Footing	165 days	04/06/18	15/11/18
312	Gas Pipe Trench	90 days	18/08/18	15/11/18
313	Section H2 - GRS Improvement work at Area C10	441 days	01/09/17	15/11/18
314	GRS Area Improvement Works	441 days	01/09/17	15/11/18
315	Retaining Wall Construction	90 days	01/09/17	29/11/17
316	Removal of Surcharge and Backfill	45 days	30/11/17	13/01/18
317	Footing Construction	240 days	14/01/18	10/09/18
318	Topping up, finish and Misc. Works	66 days	11/09/18	15/11/18
319	Section H3 - L10 Chimney Flue and A&A L9	318 days	01/01/18	15/11/18
320	No.4 Chimney Steel Flue	318 days	01/01/18	15/11/18
321	Consent, documentation and site preparation	0 days	01/01/18	01/01/18
322	Steel Flue Preparation & installation	150 days	02/01/18	31/05/18
323	Install Steel Cover at Windshield	45 days	01/06/18	15/07/18
324	Install Steel Cover at Roof	30 days	16/07/18	14/08/18
325	Modification & Reinstatement Works	55 days	15/08/18	08/10/18
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March 2019

ין י	ask Name	Duration	Start	Finish	
6	E & M Installation	38 days	09/10/18	15/11/18	January 2019 February 2019
,	L9 A&A	120 days	19/07/18	15/11/18	
	Section I1 - Link Bridge & associated A&A	94 days	01/01/18	05/04/18	
+	Link Bridge	94 days	01/01/18	05/04/18	
	Design & Shop Drawings	0 days	01/01/18	01/01/18	
+	Site preparation	14 days	02/01/18	15/01/18	
	Link Bridge between Unit L9 & L10	60 days	05/02/18	05/04/18	
+	Section I2 - Shunt Reactor SR4 Foundation	•	05/02/18	31/03/19	
+		90 days			
_	Shunt Reactor Compound SR4	90 days	01/01/19	31/03/19	
	Modification Work at Shunt Reactor SR4	90 days	01/01/19	31/03/19	
_	Section I3 - All remaining work except deferred works	417 days	08/02/18	31/03/19	
_	Remaining Works	417 days	08/02/18	31/03/19	
	Demolition of Canopy @ Jetty Guard Hose & Toilet)	30 days	02/08/18	31/08/18	
	Demolition of Existing Contractor Shed	60 days	01/09/18	30/10/18	
	Seurity Fence Erection	20 days	31/10/18	19/11/18	
	All External Works & Road Works	417 days	08/02/18	31/03/19	
	Deferred Works - L10 MSB and HRSG	395 days	02/03/18	31/03/19	
	Construction of L10 MSB Roof BetweenGL 10-G to 10-H and 10-2 to 10-6 After the Overhead Crane Installation	30 days	02/03/18	31/03/18	
1	Construction of Walls and Ceilings of Lube Oil Tank Room at L10 MSB	92 days	01/05/18	31/07/18	
	Construction of Walls of L10 MSB Below Level +18mPD along GL10-6 form GL10-F to 10-H and Walls of L10 MSB along GL10-H from GL10-5 to 10-6 including the associated Building Elements	92 days	01/05/18	31/07/18	
	Construction of Walls of L10 MSB Below 1/F along GL10-6 from GL10-B to10-C and the associated Staircases including the Enclosure Walls between G/F and 1/F.	184 days	01/05/18	31/10/18	
	Construction of Internal Partition Wall at 1/F of L10 MSB along GL10-C from GL10-2 to 10-3	32 days	15/05/18	15/06/18	
	Removal of Temporary Paving Within L10 HRSG Area to Expose all respective Equipment Foundations	14 days	01/08/18	14/08/18	
	Construction of Foundation Plinths and Walls of Lube Oil Storage Tank	93 days	15/08/18	15/11/18	
	Construction of Metal Fence and the associated Fire Services Installations and Installation of Removable Shelter Transformer Area	121 days	01/12/18	31/03/19	
	Deferred Works - External Works	182 days	01/10/18	31/03/19	
	Final Reinstatement of Access Roads and Pavement Surrounding and within L10 MSB and L10 HRSG Area	151 days	01/10/18	28/02/19	
	FSD Inspection	14 days	02/03/19	15/03/19	
	BD OP Inspection	14 days	18/03/19	31/03/19	
	Section J - Cable Route CPX1&2 cable diversion & whole of work except deferred works to be carried out in DLP	1127 days	01/05/17	31/05/20	
	275kV Cable Diversion	1127 days	01/05/17	31/05/20	
1	Part I (1km in Length, 1.1m to 1.5m Deep) (Works in existing Trench)	426 days	01/05/17	30/06/18	
1	Tentative Commencement Date Of Civil Works	0 days	01/05/17	01/05/17	
	Trail Pit & Trench at Joint Bay	120 days	01/05/17	28/08/17	
+	Implementation of TTA	7 days	22/08/17	28/08/17	
+	Remove the Concrete Road Cover	60 days	29/08/17	27/10/17	
+	Cable Trench Re-excavation (by Mechanical Method)	120 days	03/09/17	31/12/17	
+	Completion Date of Trench Excavation for Site Handover	0 days	31/12/17	31/12/17	
	Tentative Period for Backfilling and Road Reinstatement (Excluding Joint Bay and Trench at Station Road)	91 days	01/04/18	30/06/18	
-	Part II (630m in Length, 1.1m to 1.5m Deep) (Works in existing Trench)	485 days	01/11/17	28/02/19	
+	Tentative Commencement Date Of Civil Works	0 days	01/11/17	01/11/17	
-	Implementation of TTA	-		09/11/17	
+		9 days	01/11/17		
	Remove the Concrete Road Cover Trench Excavation and Installation of Road Decking at Joint Bay (Including Part I & II)	60 days 145 days	10/11/17 09/01/18	08/01/18 02/06/18	
	Cable Trench Re-excavation (by Mechanical Method)	90 days	03/06/18	31/08/18	
+	Completion Date of Trench Excavation for Site Handover	0 days	31/08/18	31/08/18	
	002 Rev4 Master Progra Critical Split	Split	1	Mile	estone  Summary

	Appendix J
	29/03/18
February 2019	Half * March 2019
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ID	Task Name	Duration	Start	Finish	January 2019	February 2019
372	Tentative Period for Backfilling and Road Reinstatement (Including Joint Bay at Part I, but excluding Joint Bay SJ3)	90 days	01/12/18	28/02/19		
373	Part III (400m in Length, 1.3m to 1.5m Deep) (Works in New Trench)	518 days	01/07/18	30/11/19		
374	Tentative Commencement Date Of Civil Works	0 days	01/07/18	01/07/18		
375	Implementation of TTA	9 days	01/07/18	09/07/18		
376	Remove the Concrete Road Cover	90 days	10/07/18	07/10/18		
377	Cable Trench Excavation with shoring	260 days	31/07/18	16/04/19		
378	Construction of New Joint Bay	45 days	17/04/19	31/05/19		
379	Completion Date of Trench Excavation for Site Handover	0 days	31/05/19	31/05/19		
380	Tentative Period for Backfilling and Road Reinstatement (excluding new slab but including SJ3)	91 days	01/09/19	30/11/19		
381	Part IV (Hand Dig Tunnel) + Defer portion	701 days	01/07/18	31/05/20		
382	Tentative Commencement Date Of Civil Works	0 days	01/07/18	01/07/18		
383	Trial Pits / Trenches	30 days	01/07/18	30/07/18		
384	Existing Drainage Diversion, if any	20 days	31/07/18	19/08/18		
385	Formation of Temp. Cable Pit	90 days	20/08/18	17/11/18		
386	Hand Dig Tunel (15m)	150 days	18/11/18	16/04/19		
387	Excavtion for new RC Works	90 days	17/01/19	16/04/19		
388	Construction of new RC Works	45 days	17/04/19	31/05/19		
389	Backfill & reinstatement except new trench	30 days	01/06/19	30/06/19		
390	Completion Date of Trench for Site Handover	0 days	30/06/19	30/06/19		
391	Deferred Works - Cable Diversion CPX1 and CPX2 (during DLP)	274 days	01/09/19	31/05/20		
392	Formation of Wall Opening between existing trench CPX1 and new Joint Bay	7 days	01/09/19	07/09/19		
393	Breaking up for Road Paving and Excavation down to Cable Tiles of Existing Trench CPX2	31 days	01/12/19	31/12/19		
394	Demolition of Existing Trench CPX1 and CPX2	30 days	01/04/20	30/04/20		
395	Final Reinstatement of the CPX1 and CPX2 Areas	31 days	01/05/20	31/05/20		
396	Deferred Works - Shunt Reactor Compound SR4 (during DLP)	153 days	01/07/19	30/11/19		
397	Trench Re-excavation and Cable Supports Installation for Shunt Reactor Compound SR4	62 days	01/07/19	31/08/19		
398	Backfilling and Road Re-instatement of Shunt Reactor SR4 and Associated Trench	30 days	01/11/19	30/11/19		

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Critical Split ..... Task

Split Milestone ♦

Summary

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		29/03/18
)19	 March 2019	Πdi

No.	Description	2019
INU.		Jan Feb Mar
	Erection Key Date	H/T 31-Jan
		O CW In Ser
Α	HRSG PORTION	
A-01	Install Casing (Bottom/Side/Top) with Structure	
		Bottom/Side/Top Casing Install Dismantle (
A-02	Upper/Lower Connection Pipe	
A-03	Module Install (Bundle Tube Block)	
A-04	Down Commer Pipe	
A-05	Drum Lifting / HDR Level Adjustment	
A-06	Critical Piping/connecting piping (Main Steam, Aux, R/H, HP/LP Feed Water)	
A-07	Other piping	• •
A-08	Access Platform / Hand Rail	
A-09	Inside Baffle Plate & Seismic Tie Adjust / Setting	
A-10	SCR System	

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No.	Description		2019	M
	Erection Key Date	Jan	Feb	Mar
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		31-	Jan	
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		CW In		
		Ser		
A-11	Inlet Duct Structure / Include Pipe Rack (U9-U10			
A 40	Connection)	_		
A-12	Inlet Duct			
A-13	Exhaust Duct Structure			
A-14	Exhaust Duct	<b>•</b>		
A-15	Aux Equip(B/D Tank, HP/IP Feed Water Pump, LP Eco		_	
	Recirculation Pump, etc.)			
	HP/IP Feed Water Pump			
	Reserve feed water Tank			
A-16	Insulation		Press	sure P
	insulation	•	11000	
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		•	+	•
A-17	Painting			
A-18	Install Catalyst			
A-19	Steam Blowing out(other scope) & alkaline boiling out			

App<mark>endix J</mark> F O

No.	Description		2019
		Jan	Feb Mar
	Erection Key Date	-	$\rightarrow$
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		001	
	Installation of Temporary piping, Support & Silencer		•
	Excection of Steam blowing out		
	Dismantle of Temporary iping, Support & Silencer		
	Excection of Steam boiling out		
В	GT/ST/GEN PORTION		
B-1	Turbine O/H Crane		
B-2	Condenser		
B-3	Install ST		
		•	<b>+</b>
		∳-● In	stall
			Final
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No.	Description	2019
	Erection Key Date	Jan Feb Mar
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		Lube Oil Fl
B-4	Install GEN	•-••
		Final Alignment
		Prepare
		•-••-•
		<b>↓ ↓ ↓</b>
B-5	Install GT	Lube Oil Fl
D-0		Final Alignment
		• • •
		P/T
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No.	Description	2019 Jan Feb Mar
	Erection Key Date	H/T 31-Jan O CW In Ser
B-6	Aux Equipment	Final Alignment / Fill u
B-7	Insulation	Insulation V
B-8	Painting	
В-9	Switchgear/Hoist/Hoist for condenser	

No.	Description		2019	
		Jan	Feb	Mar
	Erection Key Date		$\geq$	
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		0		
		cw		
		In Ser		
С	ERECTRICAL & INSTRUMENTATION PORTION			
C-1	Transformer & Ancillaries (G Tx, U Tx, Ex Tx, SFC Tx)			
C-2	EQUIPMENT INSTALLATION	1		
	Generator & Ancillaries			
	Isolated Phase Busducts			
	Switchgear and Accessories			
	UPS, Batterys, Battery Charger System & DBs			
	Electrical Panels & Local Control Panels	•		
	Control Systems, Control Panels, Local Instrument Cubicle & Rack			
	Channel Base Installation			
C-3				
	CABLING SYSTEM INSTALLATION		•	
	Cable Ladder / Tray Installation			
	Conduit Pipe Installation	•	•	
		•		•
	Earthing Installation			
	Cable Laying & Termination			
	Fire Resistant Sealing		•	
	Cable Trench Opening & Transportation	•		
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App<mark>endix J</mark> F O

No.	Description	2019 Jan Feb Mar
	Erection Key Date	H/T 31-Jan O CW In Ser
C-4	INSTRUMENTS, INSTR. PIPINGS & AIR TUBE Local Instruments, Piping & Tubing Instrument Calibration	• •
C-5	OTHER WORK 275kV Shunt Reactor Relocation Turbine Overhead Crane, Hoist, Battery Power Supply Existing CWP etc. BOP & Other Works Site Cleaning	
C-6	TESTING & COMMISSIONING Testing & Commissioning Commissioning Assistant	

Task Name	Duration	Start	Finish	
Unit 11 Building and Civil Works	<u>1218 days</u>	01/06/18	<u>30/09/21</u>	Jan '19 Feb '19 Mar '19
Contract Key Dates	1096 days	01/06/18	31/05/21	
Contract Commencement Date	0 days	01/06/18	01/06/18	
Section A1 - Ground treatment installation works at Zone 1A	0 days	31/10/18	31/10/18	
Section A2 - Ground treatment installation works at Zone 1B	0 days	31/10/18	31/10/18	
Section A3 - Ground treatment installation works at Zone 2	0 days	04/02/19	04/02/19	Section A3 - Ground treatment installation works at Zone 2
Section A4 - Ground treatment installation works at Zone 3	0 days	11/03/19	11/03/19	♦ Section A4 - Ground treat
Section A5 (i) - Ground treatment installation works at Zone 4 - Band drain installation	0 days	10/04/19	10/04/19	
Section A5 (ii) - Ground treatment installation works at Zone 4 - Surcharge fil	ling 0 days	30/09/19	30/09/19	
Section A6 (i) - A&A Works for No. 4 C.W. Outfall at Area E18	0 days	31/05/20	31/05/20	
Section A6 (ii) - External works at Area E15	0 days	31/05/20	31/05/20	
Section B1 (i) - Area south of L11 MSB and HRSG from GL11-F eastwards leading to Chimney Road at Area E1 & E2	0 days	31/12/19	31/12/19	
Section B1 (ii) - Supporting structures for overhead cranes of L11 MSB include the associated roof structure except the roof deferred works	ding 0 days	04/12/19	04/12/19	
Section B1 (iii) - FSRU Civil works at Area E13	0 days	31/12/19	31/12/19	
Section B2 - Retractable Cover D at Area E22	0 days	31/12/19	31/12/19	
Section B3 - External works at Area B1, D2 and D4	0 days	31/12/19	31/12/19	
Section C1 - Area south of L11 MSB from GL11-F westwards leading to Stati Road at Area E3(A) & E3(B)	on 0 days	15/07/20	15/07/20	
Section C2 - (i) Southern part of L11 HRSG area and its surrounding at Area B except the deferred works for Lube Oil Storage Tank	E7 0 days	31/01/20	31/01/20	
Section C2 - (ii) L11 Turbo Block foundation including the L11 MSB ground together with the equipment foundations between GL 11-F to 11-H and 11-1 to for the installation of power generator, air inlet duct and lube oil reservoir		31/01/20	31/01/20	
Section C2 - (iii) G/F of L11 MSB including the Condenser Pit, Circulating W Pipe Pit and equipment foundations between GL 11-B to 11-C and 11-1 to 11- the installation of condenser	Vater 0 days -6 for	31/01/20	31/01/20	
Section D - (i) Roads and external grounds surrounding L11 MSB and L11 HF in addition to the southern & eastern areas mentioned above in Area E5 and E6		15/02/20	15/02/20	
Section D - (ii) Remaining northern part of L11 HRSG area and its surroundin Area E6	ng in 0 days	15/02/20	15/02/20	
Section D - (iii) Whole of L11 MSB including the pipe and cable rack along so façade of L11 MSB with all underground utilities at Area E4 including C.W. I and Outlet Culvert except the deferred works		15/02/20	15/02/20	

2	Task Name	Duration	Start	Finish	lon '10	 
24	Section D - (iv) Link Bridge between L10 and L11 MSB and at the south of L11 MSB including their associated alternations & additions (A&A) Works at L10 MSB	0 days	15/02/20	15/02/20	Jan '19	 Feb
25	Section D - (v) Gas Duct Foundation, Pipe and Cable Rack and associated trench in Area E20	0 days	15/02/20	15/02/20		
26	Section E1 - (i) Link BrIdge and Pipe and Cable Rack connecting L11 MSB to the western area of L11 MSB at Area E3	0 days	31/08/20	31/08/20		
27	Section E1 - (ii) Gas Receiving Station and L11 Gas Receiving Station Equipment Room (GRS) Area Extension at Area E16	0 days	31/08/20	31/08/20		
28	Section E1 - (iii) External Works at Area E15 (C)	0 days	31/08/20	31/08/20		
29	Section E2 - Pipe and Cable Rack and trench at west of Chimney Road and Pipe and Cable Rack at south of Middle Road at Area E8 and E19	0 days	30/06/20	30/06/20		
30	Section E3 - Gas Pipe Support Foundation and Pipe Trench and associated external works at Area E14, E15 (A) and E15 (B)	0 days	30/06/20	30/06/20		
31	Section E4 - 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (A)	0 days	30/06/20	30/06/20		
32	Section F - 275kV Station Building Extension and associated works at Area E17	0 days	15/05/20	15/05/20		
33	Section G - A&A Works at No. 4 C.W. Intake at Area E12	0 days	31/05/20	31/05/20		
34	Section H - L11 Steel flue liner at No. 4 Chimney	0 days	16/06/19	16/06/19		
35	Section I - (i) 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (B)	0 days	31/03/21	31/03/21		
36	Section I - (ii) Interconnector 2 Trench Modification Works at Area E10	0 days	31/03/21	31/03/21		
37	Section J - (i) Demolition of Retractable Cover A&B & (ii) Foundation of LMX Light Oil Storage Tank Nos. 3 & 4 and A&A for Existing Bund Wall at Area E21	0 days	30/04/21	30/04/21		
38	Section K1 - External works at Area 15 (E) and 15(F)	0 days	31/05/21	31/05/21		
39	Section K2 - Removal of Southern Bund and External Works at Area D5, D6 and D	0 days	31/05/21	31/05/21		
40	Section K3 - All remaining works shall be completed for reporting completion to BD and ready for OP inspection	0 days	31/05/21	31/05/21		
41	Deferred Works in Respective Sections	<u>640 days</u>	<u>31/12/19</u>	<u>30/09/21</u>		
42	Item 1 - Construction of L11 MSB roof between GL11-G to 11-H and 11-2 to 11-6 after the overhead crane installation by the Employer's Specialist Contractors	1 day	31/12/19	31/12/19		
43	Item 2 - (i) Construction of walls and ceilings of Lube Oil Tank Room at L11 MSB	92 days	01/05/20	31/07/20		
44	Item 2 - (ii) Construction of walls of L11 MSB below level +18mPD along GL11-6 from GL11-F to 11-H and walls of L11 MSB along GL 11-H from GL11-5 to 11-6 including the associated building elements	92 days	01/05/20	31/07/20		
45	Item 3 - Construction of walls of L11 MSB below 1/F along GL 11-6 from GL11-B to 11-C and the associated staircases including the enclosure walls between G/F and 1/F.	184 days	01/05/20	31/10/20		

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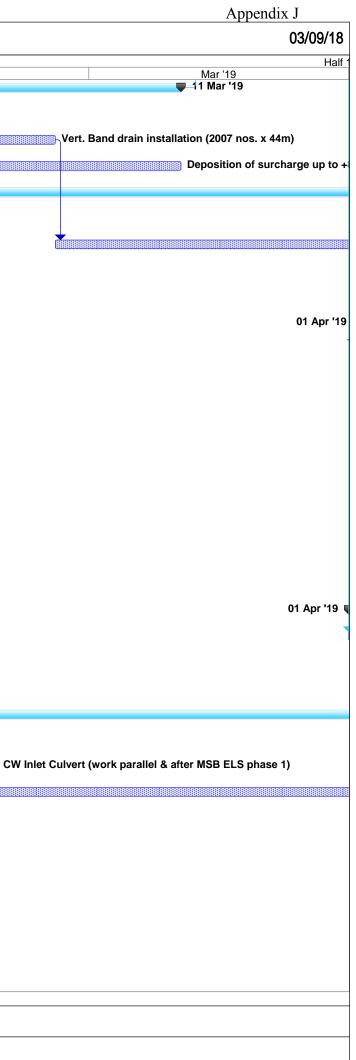
	Task Name	Duration	Start	Finish	Jan '19 Feb '19
46	Item 4 - Construction of internal partition wall at 1/F of L11 MSB along GL 11-C from GL 11-2 to 11-3	32 days	15/05/20	15/06/20	
47	Item 5- Removal of temporary paving within L11 HRSG area to expose all respective euipment foundatons	14 days	01/08/20	14/08/20	
48	Item 6 - Construction of foundation plinths and bund walls of Lube Oil Storage Tan	93 days	15/08/20	15/11/20	
49	Item 7 - Construction of metal fence and the associated Fire Service (F.S.) installations and installation of removable shelter at Transformer Area	121 days	01/12/20	31/03/21	
50	Item 8 - Final reinstatement of access roads and pavement surrounding and within L11 MSB and L11 HRSG area at Area E1, E2 & E3 (B)	121 days	01/12/20	31/03/21	
51	Item 9 - Installation of trench cover and road re-instatement of gas pipe and cable trenches within Area E3 (A), E3 ( C ), E8, E14, E16 and E20	151 days	01/01/21	31/05/21	
52	Item 10 - Backfilling and road re-instatement of 275kV cable trenches and Interconnector 2 modification works within Area E5, E9 (A), E9(B) and E10	122 days	01/06/21	30/09/21	
53	<u>General &amp; Preliminary</u>	<u>194 days</u>	<u>01/06/18</u>	<u>11/12/18</u>	
54	Set up Temporary Site Office and Utilities	60 days	01/06/18	30/07/18	
55	Full Mobilization	14 days	31/07/18	13/08/18	
56	Permit Applications & Statuary Submissions	120 days	14/08/18	11/12/18	Submissions
57	Existing Utilities scanning & Excavation Permit	45 days	28/10/18	11/12/18	avation Permit
58	Submission and Approval	554 days	01/06/18	06/12/19	
59	Method Statement / Temp Work Submission & Approval from HEC for General Works	240 days	01/06/18	26/01/19	Method Statement / Temp Work Submi
60	BD Approval & Consent (If required)	120 days	01/06/18	28/09/18	
61	BIM Model, CSD & CBWD Submission & Approval from HEC	200 days	29/09/18	16/04/19	
62	Structure Steelwork Connection Design Submission & BD Approval	60 days	29/09/18	27/11/18	BD Approval
63	Structure Steelwork Shop Drawing & Approval	60 days	13/10/18	11/12/18	ng & Approval
64	Metal Cladding, louvre & windows submission & BD Approval	60 days	28/11/18	26/01/19	Metal Cladding, louvre & windows sub
65	Metal Cladding, louvre & windows shop drawing submission	60 days	12/12/18	09/02/19	- Metal Cladding
66	Order, Off Site Fabrication and Delivery (S. Steel & Cladding & louvres)	180 days	27/10/18	24/04/19	
67	Retractable Cover D BD Submission & Approval	120 days	26/12/18	24/04/19	
68	No. 4 C.W. Outfall A&A BD approval & consent	120 days	30/08/18	27/12/18	C.W. Outfall A&A BD approval & consent
69	Sumission & Approval of Steel Flue Assessment Report and Design Drawings	60 days	30/09/18	28/11/18	ort and Design Drawings
70	Submission and Approval of Steel Flue Design from BD	60 days	30/09/18	28/11/18	
71	Material Fabrication & Delivery for L11 Flue	100 days	15/10/18	22/01/19	Material Fabrication & Delivery for L11 Flue
	Folding Shutters Shop Drawing Submission & Approval	120 days	10/02/19	09/06/19	
72			10/06/19	06/11/19	

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D	Task Name	Duration	Start	Finish	Jan '19	Feb '19
4	Sewage Pump System Design submission & approval	90 days	12/03/19	09/06/19		
	Fabrication & Delivery of Sewage Pump	180 days	10/06/19	06/12/19		
	Other material submission & approval & delivery	300 days	31/07/18	26/05/19		
	<b>Coordination with the Employer's Specialist Contractors</b>	<u>657 days</u>	<u>14/01/19</u>	<u>31/10/20</u>	14 Jan '19 <b>●TDK</b>	
_	Installation of Puddle Pipes at C.W. outlet Culvert	7 days	14/01/19	20/01/19	Installation of Puddle F	ipes at C.W. outlet Cu
	Installation of Puddle Pipes at C.W. Inlet Culvert	7 days	10/04/19	16/04/19		
	Template setting at L11 Turbo Block Foundation	45 days	08/11/19	22/12/19		
	Template setting of holding down bolts at HRSG column base	46 days	05/08/19	19/09/19		
	I-beam / channel base installation on top of transformer foundations at Transformer Area	32 days	28/05/19	28/06/19		
	Overhead crane erection at turbine hall using access through a temporary opening at L11 MSB roof between GL11-G to 11-H and 11-2 to 11-6	38 days	04/12/19	10/01/20		
	Condenser assembly and erection using access through a temporary façade opening at L11 MSB below 1/F along GL 11-6 from GL11-B to 11-C including a clear space below 1/F between GL 11-B to 11-C	90 days	01/02/20	30/04/20		
	Installation of power train equipment including air inlet duct using access through a temporary façade opening at L11 MSB below 1/F along GL 11-6 from GL11-F to 11-H including a clear space below 1/F of the above area	90 days	01/02/20	30/04/20		
	Installation of equipment in L11 HRSG area after the temporary paving was removed to expose the respective foundations by the Contractor	78 days	15/08/20	31/10/20		
	Installation of embedded materials such as holding down bolts for equipment foundations - Commencement	0 days	31/03/19	31/03/19		
3	Section A1 & A2 - Ground treatment at Zone 1A & 1B	<u>92 days</u>	01/08/18	<u>31/10/18</u>		
	Plant establishment for earthworks	7 days	01/08/18	07/08/18	_	
)	Backfilling and compaction from existing ground +4.5mPD to +5.5mPD	45 days	08/08/18	21/09/18	_	
	Delivery of band drain	5 days	23/08/18	27/08/18	_	
2	Plant establishment for band drain (1st rig)	7 days	28/08/18	03/09/18	_	
	Vert. Band drain installation (472 nos. x 44m)	50 days	04/09/18	23/10/18		
	Deposition of surcharge up to +8.3mPD	50 days	12/09/18	31/10/18		
;	Section A3 - Ground treatment installation works at Zone 2	<u>157 days</u>	01/09/18	04/02/19	c A3	■ 04 Feb '19
6	Backfilling and compaction from existing ground +4.5mPD to +5.5mPD	30 days	01/09/18	30/09/18	-	
7	Delivery of band drain	5 days	26/09/18	30/09/18		
3	Plant establishment for band drain (2nd rig)	10 days	08/10/18	17/10/18		
)	Vert. Band drain installation (4047 nos. x 44m)	85 days	18/10/18	10/01/19	Vert. Band drain installation (4047 nos.	x 44m)
0	Deposition of surcharge up to +8.3mPD	85 days	12/11/18	04/02/19		Deposition of surch
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ge up to +8.3mPD	

ID	Task Name	Duration	Start	Finish	Jan '19	Feb '19
01	Section A4 - Ground treatment installation works at Zone 3	<u>162 days</u>	01/10/18	<u>11/03/19</u>		Feb 19
02	Backfilling and compaction from existing ground +4.5mPD to +5.5mPD	21 days	01/10/18	21/10/18		
03	Vert. Band drain installation (2007 nos. x 44m)	45 days	11/01/19	24/02/19		
04	Deposition of surcharge up to +8.3mPD	50 days	21/01/19	11/03/19		
05	Section A5 (i) - Ground treatment installation works at Zone 4	<u>131 days</u>	01/12/18	<u>10/04/19</u>		
06	Site Preparation for Vertical Band Drain	30 days	01/12/18	30/12/18	Site Preparation for Vertical Band Drain	
07	Band drain installation (2077 nos. x 44m)	45 days	25/02/19	10/04/19		
08	Section A5 (ii) - Surcharge works at Zone 4	<u>30 days</u>	<u>01/09/19</u>	<u>30/09/19</u>	—	
09	Deposition of surcharge up to +8.3mPD	30 days	01/09/19	30/09/19	—	
10	Section A6 (i) - A&A Works for No. 4 C.W. Outfall at Area E18	<u>426 days</u>	01/04/19	<u>31/05/20</u>	—	
111	Mobilization after obtain approval & consent	0 days	01/04/19	01/04/19	_	
12	Manhole extension at Outfall no. 4	180 days	02/04/19	28/09/19	_	
13	Construction of jacking pit	150 days	02/04/19	29/08/19	—	
14	Sheet pile for future extension	30 days	01/06/19	30/06/19	—	
15	Pipe Jacking set up & ground strengthing	60 days	30/08/19	28/10/19		
16	Allow modify existing outall manhole for pipe jacking receiving	90 days	29/09/19	27/12/19	—	
17	Pipe Jacking x 3 nos.	135 days	29/10/19	11/03/20		
18	Culvert Pipe Intallation & water test	120 days	13/12/19	10/04/20		
19	Thrust Box Construction	21 days	11/04/20	01/05/20		
20	Reinstatement	30 days	02/05/20	31/05/20	—	
21	Section A6 (ii) - External works at Area E15	<u>427 days</u>	<u>01/04/19</u>	<u>31/05/20</u>		
22	Underground Utilities	180 days	01/04/19	27/09/19		
23	RoadWorks	150 days	28/09/19	24/02/20		
24	Surface Utilities	120 days	02/02/20	31/05/20	—	
25	Section B1 (i) - Area south of L11 MSB and HRSG from GL11-F eastwards leading to Chimney Road at Area E1 & E2	<u>426 days</u>	<u>01/11/18</u>	<u>31/12/19</u>		
26	Excavation for CW Inlet Culvert (work parallel & after MSB ELS phase 1)	100 days	01/11/18	08/02/19		Excavation for C
27	Installation CW Inlet Culvert pipe (South of L11)	100 days	09/02/19	19/05/19		
28	Construction of Thrust Box & Manholes,etc	30 days	20/05/19	18/06/19		
29	Backfill	31 days	19/06/19	19/07/19		
30	Install underground utilities	100 days	20/07/19	27/10/19		
31	Backfill and construction temporary paving	65 days	28/10/19	31/12/19	—	
32	Section B1 (ii) - Supporting structures for overhead cranes of L11 MSB including the associated roof structure except the roof deferred works	<u>77 days</u>	<u>17/09/19</u>	<u>04/12/19</u>		
33	Erection of turbine hall roof except defer work	0 days	17/09/19	17/09/19		



ID	Task Name	Duration	Start	Finish			
34	Installation of crane griders	21 days	18/09/19	08/10/19	Jan '19		Feb '19
35	Turbine hall wall claddings	0 days	04/12/19	04/12/19	-		
36	Section B1 (iii) - FSRU Civil works at Area E13	426 days	01/11/18	31/12/19	-		
37	Submission and approval for consent to work	75 days	01/11/18	14/01/19	Submission and approval for cons	sent to	work
8	Construction of foundations and trenches	180 days	15/01/19	13/07/19			
39	Erection of steel rack	61 days	14/07/19	12/09/19	-		
10	Ground reinstatement	110 days	13/09/19	31/12/19	-		
41	Section B2 - Retractable Cover D at Area E22	<u>365 days</u>	01/01/19	31/12/19	Sec.B2		
12	Demolition and clearance work	60 days	01/01/19	01/03/19			
3	Foundation construction	75 days	02/03/19	15/05/19	-		
14	Backfill & Ground statement	20 days	16/05/19	04/06/19	-		
5	Superstructure fabrication & delivery	110 days	25/04/19	12/08/19	-		
46	Superstructure erection	90 days	13/08/19	10/11/19	-		
47	E&M Installation and T&C	51 days	11/11/19	31/12/19	-		
48	Section B3 - External works at Area B1, D2 and D4	<u>365 days</u>	01/01/19	31/12/19	Sec.B3		
49	Receive Area from HKE	0 days	01/01/19	01/01/19	Receive Area from HKE		
50	Removal of existing paving for band drain under Section A5(i)	30 days	01/01/19	30/01/19	Remova	al of ex	isting paving for
51	Complete Vert. Band drain under Section A5(i)	0 days	10/04/19	10/04/19	-		
52	Ground preparation for B1, D2 & D4	265 days	11/04/19	31/12/19	-		
63	Section C1 - Area south of L11 MSB from GL11-F westwards leading to Station	<u>96 days</u>	<u>10/04/20</u>	<u>15/07/20</u>			
	Road at Area E3(A) & E3(B)						
54	Construction CW Outlet pipe (Future) (refer to Section A6(i)	0 days	10/04/20	10/04/20	-		
55	Construction of Thrust Box & Manholes,etc	0 days	01/05/20	01/05/20	-		
56	Backfill and construct underground utilities	45 days	17/04/20	31/05/20	-		
57	Backfill and construction temporary paving	45 days	01/06/20	15/07/20	-		
58	Section C2 - (i) Southern part of L11 HRSG area and its surrounding at Area E7 except the deferred works for Lube Oil Storage Tank	<u>335 days</u>	03/03/19	<u>31/01/20</u>			
59	Excavation & Pile Caps & Tie Beams (HRSG South Area)	45 days	03/03/19	16/04/19	-		
60	Construction RC foundations	30 days	17/04/19	16/05/19	-		
61	Construction RC plinths & internal drainage	80 days	17/05/19	04/08/19	-		
62	Backfill & Construction on-grade slabs	30 days	05/08/19	03/09/19			
63	Construction underground utilities	110 days	18/09/19	05/01/20			
64	Backfill and Temporary paving	26 days	06/01/20	31/01/20	-		
04	Backfill and Temporary paving	26 days	06/01/20	31/01/20			

Appendix	J
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Demolition and clearance work	
or band drain under Section A5(i)	
03 Mar '19 <b>↓Sec.C2(i)</b>	

International Construction Binor Dooms Sum (i) (Type B)         13 days         13 days         13 02/10         13 02/10           IIII         Reacration & Construction Binor Dooms Sum (i) (Type B)         13 days         13 02/10         13 02/10           IIIII         Reachill and construction Binor Dooms Sum (i) (Type B)         13 days         13 02/10         10 00/10           IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	166	together with the equipment foundations between GL 11-F to 11-H and 11-1 to	457 days			Jan 19	160 13
Interface         Interface <thinterface< th="">         Interface         <thinterface< th="">         Interface         <thinterface< th=""> <thinterface< th=""> <thint< th=""><th></th><th>11-0 for the instantion of power generator, an infet duct and lube on reservoir</th><th></th><th><u>01/11/18</u></th><th><u>31/01/20</u></th><th></th><th></th></thint<></thinterface<></thinterface<></thinterface<></thinterface<>		11-0 for the instantion of power generator, an infet duct and lube on reservoir		<u>01/11/18</u>	<u>31/01/20</u>		
188       Bankfill and construction turbine block, formalition       21 days       140019       1600319         189       Construction on turbine block columns and upper portion for plant embed installation       21 days       183 (101)       0711179         180       Construction turbine block columns and upper portion for plant embed installation       21 days       183 (101)       0711179         180       Concrete Turbine upper part to foundation & clear failework       30 days       21 (201)       31001/20         180       Construction to foundation & clear failework       30 days       180 (101)       31001/20         180       Construction to foundation block condinger PII, Circulatinit Water       25 days       01/11/8       03/02/8       2         180       Construction of CW Outlet Bits       Dit Bits       35 days       31/12/8       03/02/8       2       2       0         180       Construction of pile caps & ite beams from 1/2 smPD       45 days       10/12/8       2/0/219       09/0/19       2       0	67	Excavation & Pile Caps & Tie Beams (MSBL11)	60 days	01/11/18	30/12/18	Excavation & Pile Caps & Tie Beams (MSBL11)	
<ul> <li>Packfill and construction infrime block foundation</li> <li>21 days</li> <li>24 02219</li> <li>180 029</li> <li>190 0519</li> <li>050619</li> <li>050</li></ul>		Excavation & Construction Blow Down Sum pit (Type B)	45 days	31/12/18	13/02/19		Excavati
777       Construction unbine block columns and upper portion for plant embed installation       21 days.       101/10       707/11/9         778       Construction RC valls incl. GF mores       30 days.       108/09/0       177/10/9         778       Construction RC valls incl. GF mores       30 days.       108/09/0       177/10/9         778       Construction MRS including the Condenser PL Circulating Water       \$7 days.       \$10/11/8       \$10/12/9         779       Execution to foundations between GL 11-8 to 11-C and 11-1 to 11-6       \$2 days.       \$10/11/8       \$10/12/9         779       Execution to foundation level at ELS Type A       60 days.       \$0/11/18       \$2002/9       \$10/11/8         770       Construction of Woulds Box.       55 days.       \$11/218       \$2002/9       \$10/11/8         771       Construction of plie caps. & ite beams & to well sump pit       55 days.       \$11/218       \$2002/9       \$10/11/8         772       Construction of Unler Box       21 days.       10/04/9       \$3004/9       \$10/11/8         773       Backfill ac Construction of Unler Box       21 days.       10/05/19       \$10/05/19       \$10/05/19         774       Dostruction of fuld card dating & Lowres       91 days.       90/05/19       \$10/11/8       \$10/11/9	68	Backfill and construction turbine block foundation	21 days	24/02/19	16/03/19	-	
171       Concrete Turbine upper part foundation & clear fabework       40 days       23/12/19       31/01/20         172       Consertaction RC walls incl. GP rooms       30 days       18/00/10       17/10/19         173       Section C2 - Hill GP of L11MSB including & Condenser Pit. Circulate Water Pipe Pit and equipment foundations between GL 11-B to 11-C and 11-10 11-0       17/10/19       31/01/20       31/01/20         174       Freezwation to foundation level at FLS Type A       60 days       01/11/18       20/12/18       Zeantion to foundation level at FLS Type A       60 days       31/12/18       33/01/20         174       Construction of pice caps & its beams & hot well sump pit       55 days       31/12/18       33/01/20       Teamination foundation level at FLS Type A       Construction of pice caps & its beams & hot well sump pit       55 days       31/12/18       30/02/19       Teamination foundation level at FLS Type A       Construction of pice caps & its beams from +2.5mP1       45 days       31/01/19       18/05/19	69	Construction of internal drainage	18 days	19/05/19	05/06/19	-	
Intersection         Distriction           Construction RC walls incl. CF rooms         30 days         1800/19         1701/19           Section C2 - dill GF of LL1 MSB including the Condenser Pit, Circulating Water         457 days         01/11/18         31/12/18         accuration for the condenser         1800/19         1800/19           173         Section C2 - dill GF of LL1 MSB including the Condenser Pit, Circulating Water         457 days         01/11/18         31/12/18         accuration to foundation bevice at ELS Type A         60 days         01/11/18         30/12/18         accuration to foundation bevice at ELS Type A           174         Construction of pile caps & tic beams & hot well sump pit         55 days         31/12/18         03/01/19         30/01/19           174         Construction of pile caps & tic beams from -2.5mPD         45 days         24/02/19         09/01/19         100/179	70	Construction turbine block columns and upper portion for plant embed installation	21 days	18/10/19	07/11/19		
Action C2 - (ii) G7 of L11 MSB including the Condenser Pit, Circulating Warr J       S7 daws       0/1/1/8       31/0/20         Pice Pit and easignment foundations between GL L1E to L1C and L11 to L16.       57 daws       0/1/1/8       30/1/20       2	71	Concrete Turbine upper part foundation & clear falsework	40 days	23/12/19	31/01/20		
Pine Pt and enginment foundations between GL 11-B to 11-C and 11-1 to 11-6 (m the installation of condenser       Pine Pt and enginment foundations between GL 11-B to 11-C and 11-1 to 11-6 (m the installation of condenser         174       Excavation to foundation level at ELS Type A       60 days       01/11/18       30:12/18       Excavation to foundation level at ELS Type A         176       Construction of plic caps & tie beams & hot well sump pit       55 days       31/12/18       23:02/19       Excavation to foundation level at ELS Type A       Construction of plic caps & tie beams & hot well sump pit       55 days       31/12/18       23:02/19       Excavation to foundation level at ELS Type A       Construction of plic caps & tie beams & hot well sump pit       55 days       31/12/18       23:02/19       Excavation to foundation level at ELS Type A         177       Construction of plic caps & tie beams & hot well sump pit       45 days       2100/19       30:04/19 <td>72</td> <td>Construction RC walls incl. G/F rooms</td> <td>30 days</td> <td>18/09/19</td> <td>17/10/19</td> <td></td> <td></td>	72	Construction RC walls incl. G/F rooms	30 days	18/09/19	17/10/19		
Interference         1000	173	Pipe Pit and equipment foundations between GL 11-B to 11-C and 11-1 to 11-6	<u>457 days</u>	<u>01/11/18</u>	<u>31/01/20</u>		
Instruction         Instruction         Instruction         Instruction           0         Construction of pile caps. & tie beams. & hot well sump pit         55 days         31/12/8         23/02/19         09/04/19           177         Construction of pile caps. & tie beams. & hot well sump pit         45 days         24/02/19         09/04/19         30/04/19           178         Backfill & Construction ground beams & trenches         18 days         10/04/19         30/04/19         30/04/19           179         Backfill & Construction orgond beams & trenches         18 days         19/05/19         18/05/19           178         Construction of indoor underground drainage         18 days         19/05/19         19/06/19           178         Construction column casting and RC walls         45 days         18/09/19         01/11/19           178         Metal Cladding & Louvers         90 days         03/11/19         31/01/20           178         Construction of 1.11 CW Outlet Pipe to MSB Outlet Box         120 days         01/11/18         28/02/19           178         Construction of pile caps & tie beams at Transformer Area         24 days         22/03/19         14/04/19           179         Construction of pile caps & tie beams at SunShadeCover Area         30 days         15/04/19         14/04/19     <	174	Excavation to foundation level at ELS Type A	60 days	01/11/18	30/12/18	Excavation to foundation level at ELS Type A	
International part of a transform of the same from -2.5mPD         45 days         24/02/19         09/04/19           77         Construction of pile caps & tie beams from -2.5mPD         45 days         24/02/19         09/04/19           78         Backfill & Construction of CW Inlet Box         21 days         01/04/19         30/04/19           78         Backfill and Construction ground beams & trenches         18 days         01/05/19         18/05/19           78         Construction of indoor underground drainage         18 days         19/05/19         05/06/19           78         Backfill and Construction on-grade slabs         14 days         06/06/19         19/06/19           78         Construction Column casting and RC walls         45 days         18/09/19         01/11/19           78         Construction Column casting and RC walls         45 days         18/09/19         01/11/19           78         Section D - û Roads and external grounds surrounding L11 MSB and L11 MSB and	75	Construction of CW Outlet Box	35 days	31/12/18	03/02/19	Constr	ruction of CW Outle
Interview         Interview <thinterview< th="">         Interview         <thinterview< th="">         Interview         Interview</thinterview<></thinterview<>	76	Construction of pile caps & tie beams & hot well sump pit	55 days	31/12/18	23/02/19		
121       1	77	Construction of pile caps & tie beams from +2.5mPD	45 days	24/02/19	09/04/19	-	
180       Construction of indoor underground drainage       18 days       19/05/19       05/06/19         181       Backfill & construction on-grade slabs       14 days       06/06/19       19/06/19         182       Construction Column casting and RC walls       45 days       18/09/19       01/11/19         183       Metal Cladding & Louvres       90 days       03/11/19       31/01/20         184       Section D - (i) Roads and external grounds surrounding L11 MSB and L11       472 days       01/11/18       15/02/20         185       Construction of L11 CW Outlet Pipe to MSB Outlet Box       120 days       01/11/18       28/02/19         186       Construction of pile caps & tie beams at Transformer Area       120 days       01/03/19       21/03/19         187       Construction of pile caps & tie beams at SunShadeCover Area       30 days       15/04/19       14/04/19         188       Construction of plant drainage, trenches & RC plinths       45 days       15/05/19       28/06/19         189       Construction or grade slabs       30 days       15/05/19       28/06/19         189       Construction of plant drainage, trenches & RC plinths       45 days       15/05/19       28/06/19         189       Construction or grade slabs       30 days       27/12/19       25/01/20 <td>78</td> <td>Backfill &amp; Construction of CW Inlet Box</td> <td>21 days</td> <td>10/04/19</td> <td>30/04/19</td> <td>-</td> <td></td>	78	Backfill & Construction of CW Inlet Box	21 days	10/04/19	30/04/19	-	
InductionInductionInductionInductionInduction181Backfill & construction on-grade slabs14 days06/06/1919/06/19182Construction Column casting and RC walls45 days18/09/1901/11/19183Metal Cladding & Louvres90 days03/11/1931/01/20184Section D - (i) Roads and external grounds surrounding L11 MSB and L11 sind E6472 days01/11/1815/02/20185Construction of L11 CW Outlet Pipe to MSB Outlet Box120 days01/03/1921/03/19185Construction of L11 CW Outlet Pipe to MSB Outlet Box120 days01/03/1921/03/19186Construction of pile caps & tie beams at Transformer Area24 days22/03/1914/04/19187Construction of pile caps & tie beams at SunShadeCover Area30 days15/04/1914/05/19188Construction of plant drainage, trenches & RC plinths45 days15/05/1928/06/19199Undeground utilities & backfill100 days18/09/1926/12/19191Construction on-grade slabs30 days27/12/1925/01/20192Backfill and pavings21 days26/01/2015/02/20193Section D - (ii) Remaining northern part of L11 HRSG area and its surrounding372 days99/2/1915/02/20193Section D - (ii) Remaining northern part of L11 HRSG area and its surrounding372 days99/2/1915/02/20	179	Backfill and Construction ground beams & trenches	18 days	01/05/19	18/05/19	-	
InstanceInstanceInstanceInstance182Construction Column casting and RC walls45 days18/09/1901/11/19183Metal Cladding & Louvres90 days03/11/1931/01/20184Section D · (i) Roads and external grounds surrounding L11 MSB and L11 HRSG in addition to the southern & castern areas mentioned above in Area ES and E6472 days01/11/1815/02/20185Construction of L11 CW Outlet Pipe to MSB Outlet Box120 days01/11/1828/02/19186Construction of pile caps & tie beams at Transformer Area21 days01/03/1921/03/19187Construction of pile caps & tie beams at Transformer Area30 days15/04/1914/04/19188Construction of pile caps & tie beams at SunShadeCover Area30 days15/05/1928/06/19199Construction on grade slabs30 days27/12/1925/01/2015/02/20191Construction on-grade slabs21 days20/12/1925/01/2015/02/20192Backfill and pavings21 days26/01/2015/02/2015/02/20193Section D · (ii) Remaining northern part of L11 HRSG area and its surrounding372 days09/02/1915/02/20	80	Construction of indoor underground drainage	18 days	19/05/19	05/06/19	-	
InstanceInstanceInstanceInstanceInstance183Metal Cladding & Louvres90 days03/11/1931/01/20184Section D - (i) Roads and external grounds surrounding L11 MSB and L11 mat E6472 days01/11/1815/02/20185Construction of L11 CW Outlet Pipe to MSB Outlet Box120 days01/11/1828/02/19185Construction of L11 CW Outlet Pipe to MSB Outlet Box120 days01/03/1921/03/19186Construction of pile caps & tie beams at Transformer Area24 days22/03/1914/04/19187Construction of pile caps & tie beams at SunShadeCover Area30 days15/04/1914/05/19188Construction of pile caps & tie beams at SunShadeCover Area30 days15/05/1928/06/19189Undeground utilities & backfill100 days18/09/1926/12/19190Undeground utilities & backfill100 days27/12/1925/01/20191Backfill and pavings21 days20/01/2015/02/20193Section D - (ii) Remaining northern part of L11 HRSG area and its surrounding372 days99/02/1915/02/20	81	Backfill & construction on-grade slabs	14 days	06/06/19	19/06/19	-	
Section D - (i) Roads and external grounding L11 MSB and L11 HRSG in addition to the southern & eastern areas mentioned above in Area ES and E6472 days01/11/1815/02/20185Construction of L11 CW Outlet Pipe to MSB Outlet Box120 days01/11/1828/02/19186Construction of pile caps & tie beams at Transformer Area21 days01/03/1921/03/19187Construction of pile caps & tie beams at Transformer Area24 days22/03/1914/04/19188Construction of pile caps & tie beams at SunShadeCover Area30 days15/04/1914/05/19189Construction of plant drainage, trenches & RC plinths45 days15/05/1928/06/19190Undeground utilities & backfill100 days18/09/1926/12/19191Construction on-grade slabs30 days27/12/1925/01/20192Backfill and pavings21 days20/01/2015/02/20193Section D - (ij) Remaining northern part of L11 HRSG area and its surrounding372 days09/02/1915/02/20	82	Construction Column casting and RC walls	45 days	18/09/19	01/11/19	-	
Bit RNG in addition to the southern & eastern areas mentioned above in Area E5 and E6Image: Second Construction of L11 CW Outlet Pipe to MSB Outlet Box120 days01/11/1828/02/19185Construction of L11 CW Outlet Pipe to MSB Outlet Box120 days01/03/1921/03/19186Construction of pile caps & tie beams at Transformer Area24 days22/03/1914/04/19187Construction of pile caps & tie beams at Transformer Area30 days15/04/1914/05/19188Construction of pile caps & tie beams at SunShadeCover Area30 days15/05/1928/06/19189Construction of plant drainage, trenches & RC plinths45 days15/05/1928/06/19190Undeground utilities & backfill100 days18/09/1926/12/19191Construction on-grade slabs30 days27/12/1925/01/20192Backfill and pavings21 days26/01/2015/02/20193Section D - (ii) Remaining northern part of L11 HRSG area and its surrounding372 days09/02/1915/02/20	83	Metal Cladding & Louvres	90 days	03/11/19	31/01/20	-	
185Construction of L11 CW Outlet Pipe to MSB Outlet Box120 days01/11/1828/02/19186Construction Thrust Box & Backfill21 days01/03/1921/03/19187Construction of pile caps & tie beams at Transformer Area24 days22/03/1914/04/19188Construction of pile caps & tie beams at SunShadeCover Area30 days15/04/1914/05/19189Construction of plant drainage, trenches & RC plinths45 days15/05/1928/06/19190Undeground utilities & backfill100 days18/09/1926/12/19191Construction on-grade slabs30 days27/12/1925/01/20192Backfill and pavings21 days26/01/2015/02/20193Section D - (ii) Remaining northern part of L11 HRSG area and its surrounding372 days09/02/1915/02/20	184	HRSG in addition to the southern & eastern areas mentioned above in Area E5	<u>472 days</u>	<u>01/11/18</u>	<u>15/02/20</u>		
187Construction of pile caps & tie beams at Transformer Area24 days22/03/1914/04/19188Construction of pile caps & tie beams at SunShadeCover Area30 days15/04/1914/05/19189Construction of plant drainage, trenches & RC plinths45 days15/05/1928/06/19190Undeground utilities & backfill100 days18/09/1926/12/19191Construction on-grade slabs30 days27/12/1925/01/20192Backfill and pavings21 days26/01/2015/02/20193Section D - (ii) Remaining northern part of L11 HRSG area and its surrounding372 days09/02/1915/02/20	85	Construction of L11 CW Outlet Pipe to MSB Outlet Box	120 days	01/11/18	28/02/19		
188Construction of pile caps & tie beams at SunShadeCover Area30 days15/04/1914/05/19189Construction of plant drainage, trenches & RC plinths45 days15/05/1928/06/19190Undeground utilities & backfill100 days18/09/1926/12/19191Construction on-grade slabs30 days27/12/1925/01/20192Backfill and pavings21 days26/01/2015/02/20193Section D - (ii) Remaining northern part of L11 HRSG area and its surrounding372 days09/02/1915/02/20	86	Construction Thrust Box & Backfill	21 days	01/03/19	21/03/19	-	
189Construction of plant drainage, trenches & RC plinths45 days15/05/1928/06/19190Undeground utilities & backfill100 days18/09/1926/12/19191Construction on-grade slabs30 days27/12/1925/01/20192Backfill and pavings21 days26/01/2015/02/20193Section D - (ii) Remaining northern part of L11 HRSG area and its surrounding372 days09/02/1915/02/20	87	Construction of pile caps & tie beams at Transformer Area	24 days	22/03/19	14/04/19	-	
190       Undeground utilities & backfill       100 days       18/09/19       26/12/19         191       Construction on-grade slabs       30 days       27/12/19       25/01/20         192       Backfill and pavings       21 days       26/01/20       15/02/20         193       Section D - (ii) Remaining northern part of L11 HRSG area and its surrounding       372 days       09/02/19       15/02/20	88	Construction of pile caps & tie beams at SunShadeCover Area	30 days	15/04/19	14/05/19	-	
191       Construction on-grade slabs       30 days       27/12/19       25/01/20         192       Backfill and pavings       21 days       26/01/20       15/02/20         193       Section D - (ii) Remaining northern part of L11 HRSG area and its surrounding       372 days       09/02/19       15/02/20	89	Construction of plant drainage, trenches & RC plinths	45 days	15/05/19	28/06/19	-	
192       Backfill and pavings       21 days       26/01/20       15/02/20         193       Section D - (ii) Remaining northern part of L11 HRSG area and its surrounding       372 days       09/02/19       15/02/20	90	Undeground utilities & backfill	100 days	18/09/19	26/12/19	-	
193       Section D - (ii) Remaining northern part of L11 HRSG area and its surrounding       372 days       09/02/19       15/02/20       09 Feb '19 Sec.D(ii)	91	Construction on-grade slabs	30 days	27/12/19	25/01/20	-	
	92	Backfill and pavings	21 days	26/01/20	15/02/20		
	193		<u>372 days</u>	<u>09/02/19</u>	<u>15/02/20</u>	09 Feb '19	■Sec.D(ii)

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et Box Construction of pile caps & tie beams & hot well sump pit Construction of L11 CW Outlet Pipe to MSB Outlet Construction Ti	
ion & Construction Blow Down Sum pit (Type B)	Half Mar '19
Construction of pile caps & tie beams & hot well sump pit	tion & Construction Blow Down Sum pit (Type B)
Construction of L11 CW Outlet Pipe to MSB Outlet	

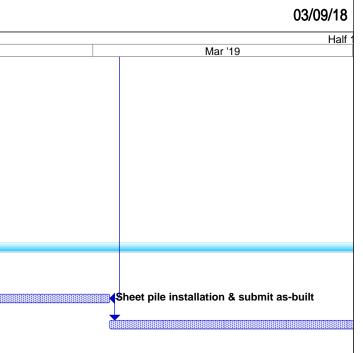
	Task Name	Duration	Start	Finish
194	Excavation & Pile Caps & Tie Beams (HRSG north Area)	22 days	09/02/19	02/03/19
195	Construction RC foundations	60 days	03/03/19	01/05/19
196	Construction RC plints & HRSG Lift Pit & internal drainage	90 days	02/05/19	30/07/19
197	Backfill Construction on-grade slabs	30 days	31/07/19	29/08/19
198	Construction underground utilities	140 days	30/08/19	16/01/20
199	Backfill and Temporary paving	30 days	17/01/20	15/02/20
200	Section D - (iii) Whole of L11 MSB including the pipe and cable rack along south façade of L11 MSB with all underground utilities at Area E4 including C.W. Inlet and Outlet Culvert except the deferred works	<u>241 days</u>	<u>20/06/19</u>	<u>15/02/20</u>
201	Structural Delivery & Erection (Equipment floor portion)	60 days	20/06/19	18/08/19
202	Structural Delivery & Erection (Air filter inlet & Turbine Hall Portion)	30 days	19/08/19	17/09/19
203	Structural Delivery & Erection (Pipe & Cable rack at south of L11)	21 days	18/09/19	08/10/19
204	Fendolite Application	130 days	19/08/19	26/12/19
205	External Scaffolding Erection	45 days	19/08/19	02/10/19
206	Construction 1/F RC Slab	14 days	19/08/19	01/09/19
207	Construction M/F RC Slab	7 days	02/09/19	08/09/19
208	Construction 2/F RC Slab	14 days	09/09/19	22/09/19
209	Construction 3/F RC Slab	14 days	23/09/19	06/10/19
210	Construction 4/F RC Slab	14 days	07/10/19	20/10/19
211	Construction 5/F RC Slab	14 days	21/10/19	03/11/19
212	Construction Roof RC Slab (except defer portion)	30 days	04/11/19	03/12/19
213	Construction Upper Roof RC Slab	14 days	04/11/19	17/11/19
214	Construction Defer Roof RC Slab (G.L. G-H)	14 days	18/12/19	31/12/19
215	Construction of Staircase ST-01 & lift shaft & machine room	90 days	18/09/19	16/12/19
216	Construction of Staircase ST-02 except defer work	75 days	02/09/19	15/11/19
217	Construction of RC plinth, kerbs & parapet Walls	24 days	04/11/19	27/11/19
218	Erection of Skylight & Roof Features	55 days	18/11/19	11/01/20
219	Waterproofing	30 days	12/01/20	10/02/20
220	ABFW Works from 1/F to 5/F equipment rooms	135 days	09/09/19	21/01/20
221	Building Services E&M Access & Installation	120 days	09/10/19	05/02/20
222	Metal Cladding, Windows and Louvres incl. roof feature	120 days	09/09/19	06/01/20
223	Removal of external scaffolding	35 days	12/01/20	15/02/20
224	Section D - (iv) Link Bridge between L10 and L11 MSB and at the south of L11	<u>170 days</u>	<b>30/08/19</b>	<u>15/02/20</u>
	MSB including their associated alternations & additions (A&A) Works at L10 MSB	<u>170 uays</u>	<u>30/08/19</u>	<u>15/02/20</u>

03/09/18
 Half Mar '19 Excavation & Pile Caps & Tie Beams (HRSG n
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ID	Task Name	Duration	Start	Finish	Jan '19
225	A&A works at South of L10 MSB	60 days	30/08/19	28/10/19	
226	Erection of link bridge structural steel	7 days	29/10/19	04/11/19	
227	Casting of bridge deck	7 days	05/11/19	11/11/19	
228	Metal roofing installation	21 days	12/11/19	02/12/19	
229	ABWF work	30 days	03/12/19	01/01/20	
230	Form new opening at MSB for final connection	10 days	02/01/20	11/01/20	
231	E&M Work	35 days	12/01/20	15/02/20	
232	Section D - (v) Gas Duct Foundation, Pipe and Cable Rack and associated trench in Area E20	<u>380 days</u>	<u>01/02/19</u>	<u>15/02/20</u>	01 Feb '′
233	Sheet pile installation & submit as-built	30 days	01/02/19	02/03/19	
234	Consent for excavation	30 days	03/03/19	01/04/19	
235	Excavation & plate load test	45 days	30/08/19	13/10/19	
236	Construction of foundation	45 days	14/10/19	27/11/19	
237	Backfill & Erection Pipe & cable rack	80 days	28/11/19	15/02/20	
238	<u>Section E1 - (i) Link BrIdge and Pipe and Cable Rack connecting L11 MSB to the</u> western area of L11 MSB at Area E3	<u>244 days</u>	<u>01/01/20</u>	<u>31/08/20</u>	
239	Excavation & construction of new foundation	60 days	01/01/20	29/02/20	
240	Backfill	18 days	01/03/20	18/03/20	
241	Erection of Structural steel	45 days	19/03/20	02/05/20	
242	Ground Reinstatement	121 days	03/05/20	31/08/20	
243	<u>Section E1 - (ii) Gas Receiving Station and L11 Gas Receiving Station Equipment</u> <u>Room (GRS) Area Extension at Area E16</u>	<u>244 days</u>	<u>01/01/20</u>	<u>31/08/20</u>	
244	Removal of Surcharge and excavation	18 days	01/01/20	18/01/20	
245	Modification of Site Drainage	45 days	19/01/20	03/03/20	
246	Construction of new RC for GRS Equipment Room	90 days	19/01/20	17/04/20	
247	ABWF for GRS Equipment room	45 days	18/04/20	01/06/20	
248	E&M Installation	45 days	02/06/20	16/07/20	
249	Construction of new Gas pipe plinths & racks	45 days	19/04/20	02/06/20	
250	Backfill and construction site drainage	30 days	03/06/20	02/07/20	
251	Eternal Paving and install new fencing	60 days	03/07/20	31/08/20	
252	Section E1 - (iii) External Works at Area E15 ( C )	<b>226 days</b>	<u>19/01/20</u>	<u>31/08/20</u>	
253	Removal of Surcharge and excavation	18 days	19/01/20	05/02/20	
254	Underground drianage, Utilities and RC plinths	75 days	04/03/20	17/05/20	
255	Backfill and install surface utilities	61 days	18/05/20	17/07/20	
256	Roadwork	45 days	18/07/20	31/08/20	

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# Appendix J



Feb '19

257	sk Name					
		Duration	Start	Finish	Jan '19 Feb '19 Mar '19	Ha
	Section E2 - Pipe and Cable Rack and trench at west of Chimney Road and Pipe and Cable Rack at south of Middle Road at Area E8 and E19	<u>608 days</u>	<u>01/11/18</u>	<u>30/06/20</u>		
58	BD consent	0 days	01/11/18	01/11/18		
59	Excavation & plate load test	180 days	01/11/18	29/04/19		
60	Construction of foundations & trenches	180 days	08/05/19	03/11/19		
61	Backfill & underground utitiles	120 days	04/11/19	02/03/20		
62	Pipe & cable rack Erection	60 days	03/03/20	01/05/20		
63	Ground reinstatement	60 days	02/05/20	30/06/20		
64	Section E3 - Gas Pipe Support Foundation and Pipe Trench and associated external works at Area E14, E15 (A) and E15 (B)	<u>366 days</u>	<u>01/07/19</u>	<u>30/06/20</u>		
65	Removal of surcharge / site clearance	21 days	01/07/19	21/07/19		
66	Excavation & construction of pipe trench	90 days	22/07/19	19/10/19		
67	Construction of gas pipe support foundation	90 days	20/10/19	17/01/20		
68	Construction of underground drainage and utilities	120 days	18/01/20	16/05/20		
69	Backfill & road work	45 days	17/05/20	30/06/20		
70	Section E4 - 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (A)	<u>182 days</u>	<u>01/01/20</u>	<u>30/06/20</u>		
71	Obtain Permit to work & Road close permit	2 days	01/01/20	02/01/20		
72	Excavation & construction new cable trench	180 days	03/01/20	30/06/20		
73	Re-excavate cable trench for cable laying	180 days	03/01/20	30/06/20		
74	Section F - 275kV Station Building Extension and associated works at Area E17	<u>715 days</u>	<u>01/06/18</u>	<u>15/05/20</u>		
5	Installation of ELS for 275kV Switching Station near Staircase ST-3 and ST-6	14 days	01/06/18	14/06/18		
<b>'</b> 6	Construction of Staircase ST-3	90 days	15/06/18	12/09/18		
7	OP inspection of Staircase ST-3	0 days	12/09/18	12/09/18		
'8	Consent & BA10 for demolition of existing staircase	0 days	10/10/18	10/10/18		
'9	Demolition of exisiting staircase and submit BA14	18 days	11/10/18	28/10/18		
30	Consent & BA10 for new foundation work	21 days	25/10/18	14/11/18		
51	Pile Cap & Tie Beam construction incl. basement trench	60 days	15/11/18	13/01/19	Pile Cap & Tie Beam construction incl. basement trench	
32	RC Construction up to 1/F	100 days	14/01/19	23/04/19		
33	Construction of staircase ST6	60 days	24/04/19	22/06/19		
34	Structural Steel Delivery & Erection	90 days	24/04/19	22/07/19		
85	Scaffolding erection	21 days	23/07/19	12/08/19		
86	Construction of 2/F RC slab	21 days	06/08/19	26/08/19		
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D         Desk         Desk         Per           2         Contraction of REP RC shat         21 days         20001           20         Contraction of REP RC shat         21 days         20001           20         Contraction of REP RC shat         21 days         20001           20         Contraction of REP RC shat         24 days         20001           20         Contraction of REP RC shat         24 days         20001           20         Contraction of REP RC shat         24 days         20001           20         Contraction of REP RC shat         24 days         20012           20         Contraction of REP RC shat         24 days         20012           20         Contraction of Represent Post Internet State State         210 days         68001         200124           20         ADIT W Works from UBT to 2T equiptement contract         210 days         680023         200124           20         ADIT W Works from UBT to 2T equiptement contract         210 days         100023         100023           20         ADIT W Works from UBT to 2T equiptement contract         210 days         100023         100023           20         Mont Contract Ad Works from UBT to 2T equiptement contract         34 days         100023         100023	Contract No. 17/8002 Lamma Power Station Extension Civil and Building Works	s for Unit L11	17-	8002 Master Prog	Appendix J Rev 0 (Original).mpp 03/09/
Φ         Construction of RF RF chaile         14 cp.         250/81         1609/87           Domination of GF RF Chaile         49 cp.         7520/81         1009/87           Domination of GF RF Chaile         49 cp.         7520/81         1009/87           Domination of GF RF Chaile         49 cp.         250/87         1009/87           Observed of GF RF Chaile         100 cp.         250/87         1009/87           Observed of GF RF Chaile         100 cp.         250/87         200/87           Observed of GF RF Chaile         100 cp.         250/87         200/87           Observed of Chaile plants, thrive of parager stafts         60 cp.         250/87         201/19           Observed of prant Indepress during on thrive starts         75 cp.         21/19         101/19           Formal Indepress during on thrive starts         75 cp.         21/19         101/19           OF Inspection         16 cp.         101/19         101/19	-				
<ul></ul>	Construction of R/F RC slab	21 days	27/08/19	16/09/19	Jan '19 Feb '19 Mar '19
4         Controction of statuces STA         79 days         2307.19         2009.19           4         Controction of statuces STA Lul Stath         99 days         0908.19         1911.19           4         Controction of statuces STA Lul Stath         99 days         0908.19         1911.19           4         Controction of statuces STA Lul Stath         210 days         0801.19         0200.20           4         Bridging Sortizes FAM Acces A trontificant of referem         210 days         1010.19         1010.19           4         Brannoi of controls and Malding         21 days         2112.19         2140.29           4         Brannoi of controls and Malding         21 days         212.192         2140.29           4         Brannoi of controls and Malding         21 days         212.192         2140.29           4         Brannoi of trent and Malding         21 days         212.192         2140.29           6         Of Wingscham         61 days         91.09.20         2140.29           6         Of Wingscham         61 days         91.09.20         216.29           6         Of Wingscham         61 days         91.09.20         206.29           7         Decision freen plaform         61 days         91.09.20	Construction of UR/F RC slab	14 days	17/09/19	30/09/19	
Submitchine of suiteset STS & Lift Staff             Concert of Ke suite, being support work             Support Staff and Staff support Staff support Work             Support Staff and Staff support Staff suppo	39 Construction of GIS Hall Floor	45 days	27/08/19	10/10/19	
	Construction of staircase ST4	70 days	23/07/19	30/09/19	
a         ABFW Work from UBP to 2F couparatizons         20 days         08/6019         0301/20           b         Building Screece EM Access & Exclution         210 days         08/0719         002220           b         Medi Calling Screece EM Access & Exclution         210 days         21/119         11/127           c         Medi Calling Screece EM Access & Exclution         21/0 days         21/119         11/127           c         Medi Calling Screece EM Access & Exclution         21/2 days         21/119         11/127           c         Particut Underground Arrange and Utilities works         75/2 days         20/2 09/01/20         09/01/20           d         Notal & Calcing Informationen         18/4 days         10/02         20/02/20           d         Orbin pection         18/4 days         01/02         20/02/20           d         Dermition work         04/03         01/02         00/02/20           d         Dermition work         04/03         01/02         00/02/20           d         Dermition work         18/409         15/118         15/1178           d         Modification of rescion organization         15/118         15/1178         15/1178           d         Modificatin of rescion organipect         25/409 <td>Construction of staircase ST5 &amp; Lift Shaft</td> <td>90 days</td> <td>06/08/19</td> <td>03/11/19</td> <td></td>	Construction of staircase ST5 & Lift Shaft	90 days	06/08/19	03/11/19	
4         8         Build ag Sorvices E&M Acces Ta Build Inform         2010 days         6807719         0.202.00           5         Metal Cluding, Windows and Lawres indir on Sonrier         100 days         135819         2011/19           6         Metal Cluding, Windows and Lawres indir on Sonrier         100 days         135819         2011/19           7         Removed or contema Sufficient         45 days         2312/29         2410/20           8         Resolution of contema Sufficient and Area E12         1212/9         2410/20         1506.20           9         NSD suppoin         184 days         2004/20         3506.20         1506.20           9         Product work         60 days         0111/20         3500.20         1506.20           9         Product work         60 days         0111/20         3500.20         1506.20           9         Product work         60 days         0111/20         3500.20         1506.20           9         Product work         60 days         1511/28         1511/28         1511/28         1511/28           9         Moddy Casting Ido optings         64 days         5111/18         1511/18         1511/18         1511/18           9         Moddy Casting Ido optings         <	Concrete of RC walls, plinths, kerb and parapet walls	60 days	01/10/19	29/11/19	
9         Math Colding, Wadows and Lowess ind. roof fortme         100 dys         1308/19         2011/19           16         Removed of external second/duge         21 dys         211/19/19         11/12/19           17         Basternal Unificationed minage and Lutifies works         73 dys         12/12/19         2/10/22/0           18         Rad. & Paring infrastance         15 dys         12/12/19         2/10/22/0           19         Basternal Unifies works         15 dys         12/02/20         15/05/20           10         Disprection         15 dys         2/00/20         15/05/20           10         Disprection         15 dys         2/00/20         15/05/20           10         Disprection         0 dys         0/01/20         15/05/20           10         Disprection         0 dys         0/01/20         3/00/20           10         Disprection         0 dys         0/01/20         3/00/20           10         Disprection         0 dys         0/01/20         3/00/20         1/00/20           10         Disprection work         0 dys         1/01/20         1/01/20         1/01/20           10         Disprection work         1/01/20         1/01/20         1/01/20         1/01/	ABFW Works from UB/F to 2/F equipment rooms	210 days	08/06/19	03/01/20	
No.         No.         Club Point Po	Building Services E&M Access & Installation	210 days	08/07/19	02/02/20	
Private Notice Section 1 (Normal Section 1)         Private Normal Section 1)         Private Normal Section 1)         Private Normal Section 1)           Private Normal Section 1)         Private Normal Section 1)         Private Normal Section 1)         Private Normal Section 1)           Private Normal Section 1)         Private Normal Section 1)         Private Normal Section 1)         Private Normal Section 1)           Private Normal Section 1)         Private Normal Section 1)         Private Normal Section 1)         Private Normal Section 1)         Private Normal Section 1)           Private Normal Section 1)         Private Normal Section 1)         Private Normal Section 1)         Private Normal Section 1)         Private Normal Section 1)         Private Normal Section 1)           Private Normal Section 1)         Private Normal Section 1)         Private Normal Section 1)         Private Normal Section 1)         Private Normal Section 1)         Private Normal Section 1)           Private Normal Section Private Normal Section 1)         Private Normal Sect	Metal Cladding, Windows and Louvres incl. roof feature	100 days	13/08/19	20/11/19	
8         Rond & Paring reinstatement         45 days         2502.20         0904420           9         FSD inspection         18 days         200420         2704230           6         OP inspection         18 days         280420         250520           6         OP inspection         18 days         200420         150520           6         OP inspection         0 days         010120         100520           7         Permit to work         0 days         010120         300120           8         Decoding for one, plutform         0 days         010120         300120           9         Exerction of trans, plutform         0 days         10120         300120           9         Exerction fram, plutform         10 days         140520         150750           9         Removal of plutform         18 days         151718         150679           9         Complemention of L10 Step llue         00 days         151718         150718           9         Stording card darwy, plantimar and Acholicin work         30 days         291128         911718           10         Stording card darwy, plantimar and demolicin work         30 days         291128         911718           10         Stording	Removal of external scaffolding	21 days	21/11/19	11/12/19	
Instruction	External Undergound drainage and Utilities works	75 days	12/12/19	24/02/20	
20         OP impretion         18 days         28.0420         150520           21         Section G - A&A Vorks at No. 4 C.W. Intuke at Acre EI2         152 days         0.01/20         10.01/20           21         Permit to work         0 days         0.01/20         0.01/20           22         Permit to work         0 days         0.01/20         0.01/20           23         Reaction of them, platform         60 days         0.00/20         0.00/20           24         Demolition work         60 days         0.00/20         0.00/20           25         Makify existing skin parings.         45 days         0.00/20         0.00/20           26         Renoval of platform         18 days         18/0/20         0.00/20           26         Complete section of L10 Sted filte         0 days         15/1/18         15/1/18           26         Complete section of L10 Sted filte         0.0d ys         20/178         20/178           27         Section L - 0.0f filter with A Feerion         85 days         20/178         20/178           27         Removal of remp work         85 days         20/179         21/047           28         Section L - 0.0f filter with A Area PS (B)         21/027         21/047	98 Road & Paving reinstatement	45 days	25/02/20	09/04/20	
Section         Control         Distribution         Distribution           6         Section         C. A&A Works at No. 4 C.W. Induce at Area E12         152 daws         0.101/20         310520           10         Permit to work         0 days         0.101/20         3001/20         3001/20           10         Exection of temp, plaform         30 days         0.101/20         3001/20           10         Demobilion work         64 days         3101/20         3001/20           10         Removal of plaform         18 days         310520         310520           10         Complete erection of L10 Sleet Ince         0 days         311118         151118         151118         151118         151128         151118         151128         151118         151128         151118         151128         151118         151128         151118         151128         151118         151128         151118         151128         151118         151128         151118 <td< td=""><td>99 FSD inspection</td><td>18 days</td><td>10/04/20</td><td>27/04/20</td><td></td></td<>	99 FSD inspection	18 days	10/04/20	27/04/20	
92         Permit to work         0 days         0.10/20         0.10/20           93         Frection of temp, platform         30 days         0.01/20         3001/20           94         Demolition work         60 days         31/01/20         3003/20           95         Modify existing shal openings         45 days         31/02/20         405/20           96         Removal of platform         18 days         1405/20         31/05/20           97         Section II - L11 Steel flue liner at No. 4 Chinnex         21 days         15/1/18         15/1/18           90         Modification of erection equipment         64 days         30/02         20/1/18         29/1/18           90         Modification of erection equipment         45 days         20/1/18         29/1/18         29/1/18           91         Exerction temp, platform and demolition work         30 days         20/1/18         29/1/18         29/1/19           10         Exerction 1.0 Steel fue brenching work connecting the 275kV Switching         21 days         24/04/19         24/04/19           10         Reinstard Cirk larve all an access door         2 days         20/1/20         20/1/20         20/1/20           10         Reinstard frenching work & Road close permini         0 days	00 OP inspection	18 days	28/04/20	15/05/20	
Derived were         Derived were         Derived were           0         Derived were         0.0012         0.0012         0.0012           0         Demobilion work         60 days         0.0012         0.0012         0.0012           0         Demobilion work         60 days         0.0012         0.0012         0.0012           0         Modify existing slab openings         45 days         0.0012         1.40520         1.40520           0         Modify existing slab openings         18 days         1.40520         1.60520         1.60520           0         Removed of platform         1.10 Steel flue         0.0012         1.60520         1.60520           0         Modification of erection equipment         45 days         15/11/8         15/11/8         15/11/8           0         Erection itemp. platform and demolition work         30 days         201218         2001/9           10         Erection and censition work         30 days         2001/9         2001/9         2001/9           12         Removal of temp. work         80 days         2001/9         2001/9         2001/9           12         Removal of Lemp. work         Atomet So Gay         201/9         2001/9         2001/9	<sup>O1</sup> Section G - A&A Works at No. 4 C.W. Intake at Area E12	<u>152 days</u>	01/01/20	<u>31/05/20</u>	
Instruction work         Density         Status         Status           4         Density         Status         Status         Status           5         Modify existing slab openings         45 days         Status         Status           6         Removal of platform         18 days         Status         Status           7         Section II - LI I. Steel flue liner at No. 4 Chimney         214 daws         IS/11/8         IS/01/20           8         Complete erection of LIO Steel flue         O days         IS/11/18         IS/01/20           9         Modification of erection equipment         0 days         IS/11/18         28/01/19           10         Firsciton temp, platform and demolition work         30 days         20/01/19         23/04/19           12         Removal of temp, work         30 days         24/04/19         23/05/19         IG/06/19           13         Structural steel delivery & Erection         82 days         24/05/19         IG/06/19         IG/06/19           14         Steinstate GF lowre wall and access door         24 days         0/107/20         IG/07/20         IG/07/20           15         Obrain Permit to work & Rand close permit         0 days         0/107/20         28/03/21           16	Permit to work	0 days	01/01/20	01/01/20	
Modify existing slab openings         Other Status         Notes         Notes           Modify existing slab openings         45 days         104320         104320           Removal of platform         18 days         140520         310520           Section H - L11 Steef flue finer at No. 4 Chimner         214 days         15/11/8         16/01/9           Modify existing slab openings         0 days         15/11/8         16/01/9           Modification of rection equipment         0 days         15/11/8         15/11/8           Modification of erection equipment         0 days         15/11/8         15/11/8           Modification of erection equipment         30 days         20/01/9         2304/19           Network and demolition work         30 days         24/01/9         2304/19           Removal of temp, work         30 days         24/01/9         2305/19           Removal of temp, work         30 days         24/01/9         2305/19           Status Existions and L11 MSB at Area B700         24 days         24/01/9         2305/19           Status Existions and L11 MSB at Area B700         24 days         24/01/9         2305/19           Status Existions and L11 MSB at Area B700         100/02         100/02         100/02           Removal of temp	D3 Erection of temp. platform	30 days	01/01/20	30/01/20	
Indicy         Unity         Unity </td <td>04 Demolition work</td> <td>60 days</td> <td>31/01/20</td> <td>30/03/20</td> <td></td>	04 Demolition work	60 days	31/01/20	30/03/20	
Name of the line at No. 4 Chinney         124 asy         154 bits         1000	Modify existing slab openings	45 days	31/03/20	14/05/20	
International conditional conditiconal conditional conditional conditional conditional cond	06 Removal of platform	18 days	14/05/20	31/05/20	
Interpretation         Interpr	<sup>07</sup> Section H - L11 Steel flue liner at No. 4 Chimney	<u>214 days</u>	<u>15/11/18</u>	<u>16/06/19</u>	
Image: Province of the province	Complete erection of L10 Steel flue	0 days	15/11/18	15/11/18	
International access door       85 days       29/01/19       23/04/19         Image: Section 1 - (i) 275kV cable tranching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (B)       24 days       24/05/19       16/06/19         Image: Section 1 - (i) 275kV cable tranching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (B)       273 days       01/07/20       01/07/20         Image: Section 1 - (i) 275kV cable tranching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (B)       01/07/20       01/07/20       01/07/20         Image: Section 1 - (i) 1/10 Connector 2 Tranch Modification Works at Area E10       273 days       01/07/20       31/03/21         Image: Section 1 - (ii) Interconnector 2 Tranch Modification Works at Area E10       273 days       01/07/20       31/03/21         Image: Section 1 - (ii) Interconnector 2 Tranch Modification Works at Area E10       273 days       01/07/20       31/03/21         Image: Section 1 - (ii) Interconnector 2 Tranch Modification Works at Area E10       273 days       01/07/20       31/03/21         Image: Section 1 - (ii) Interconnector 2 Tranch Modification Works at Area E10       273 days       01/07/20       01/07/20         Image: Section 1 - (ii) Interconnector 2 Tranch Modification Works at Area E10       273 days       01/07/20       01/07/20         Image: Section 1 - (iii) Interconnector 2 Tranch Modification Works at Area E	09 Modification of erection equipment	45 days	15/11/18	29/12/18	dification of erection equipment
12       Removal of temp. work       30 days       24/04/19       23/05/19         13       Reinstate G/F louvre wall and access door       24 days       24/05/19       16/06/19         14       Section 1 - (i) 275kV cable trenching works connecting the 275kV Switching. Station Extension and L11 MSB at Area E9 (B)       273 days       01/07/20       31/03/21         15       Obtain Permit to work & Road close permit       0 days       01/07/20       28/11/20         16       Excavation & construction new cable trench       150 days       02/07/20       28/11/20         17       Re-excavate cable trench for cable laying       150 days       02/11/20       31/03/21         18       Section I - (ii) Interconnector 2 Trench Modification Works at Area E10       273 days       01/07/20       01/07/20         19       Obtain Permit to work & Road close permit       0 days       01/07/20       01/07/20	10 Erection temp. platform and demolition work	30 days	30/12/18	28/01/19	Erection temp. platform and demolition work
Interference       10 days       10 days       10 days         3       Reinstate G/F louvre wall and access door       24 days       24/05/19       16/06/19         4       Section I - (i) 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (B)       273 days       01/07/20       31/03/21         15       Obtain Permit to work & Road close permit       0 days       01/07/20       28/11/20         16       Excavation & construction new cable trench       150 days       02/07/20       28/11/20         17       Re-excavate cable trench for cable laying       150 days       02/11/20       31/03/21         18       Section I - (ii) Interconnector 2 Trench Modification Works at Area E10       273 days       01/07/20       01/07/20         19       Obtain Permit to work & Road close permit       0 days       01/07/20       01/07/20	1 Structural steel delivery & Erection	85 days	29/01/19	23/04/19	
And Area Link       Divide       Divide       Divide       Divide         And Area Link       Section I - (i) 275kV cable trenching works connecting the 275kV Switching       273 days       Ol/07/20       31/03/21         Divide       Obtain Permit to work & Road close permit       0 days       01/07/20       01/07/20         Divide       Excavation & construction new cable trench       150 days       02/07/20       28/11/20         Re-excavate cable trench for cable laying       150 days       02/11/20       31/03/21         Base       Section I - (ii) Interconnector 2 Trench Modification Works at Area E10       273 days       01/07/20         Obtain Permit to work & Road close permit       0 days       01/07/20       31/03/21         Obtain Permit to work & Road close permit       0 days       01/07/20       31/03/21	2 Removal of temp. work	30 days	24/04/19	23/05/19	
Station Extension and L11 MSB at Area E9 (B)       III MSB at Area E9 (B)       III MSB at Area E9 (B)         Obtain Permit to work & Road close permit       0 days       01/07/20         Excavation & construction new cable trench       150 days       02/07/20         Re-excavate cable trench for cable laying       150 days       02/11/20         Section I - (ii) Interconnector 2 Trench Modification Works at Area E10       273 days       01/07/20         Obtain Permit to work & Road close permit       0 days       01/07/20       31/03/21	Reinstate G/F louvre wall and access door	24 days	24/05/19	16/06/19	
16       Excavation & construction new cable trench       150 days       02/07/20       28/11/20         17       Re-excavate cable trench for cable laying       150 days       02/11/20       31/03/21         18       Section I - (ii) Interconnector 2 Trench Modification Works at Area E10       273 days       01/07/20       31/03/21         19       Obtain Permit to work & Road close permit       0 days       01/07/20       01/07/20		<u>273 days</u>	<u>01/07/20</u>	<u>31/03/21</u>	
Image: International conduction of the international conductine conductine conductine conduction of the international conductin	15 Obtain Permit to work & Road close permit	0 days	01/07/20	01/07/20	
Image: Interconnector 2 Trench Modification Works at Area E10     273 days     01/07/20     31/03/21       19     Obtain Permit to work & Road close permit     0 days     01/07/20     01/07/20	16 Excavation & construction new cable trench	150 days	02/07/20	28/11/20	
Obtain Permit to work & Road close permit     0 days     01/07/20	17 Re-excavate cable trench for cable laying	150 days	02/11/20	31/03/21	
	<sup>18</sup> Section I - (ii) Interconnector 2 Trench Modification Works at Area E10	<u>273 days</u>	<u>01/07/20</u>	<u>31/03/21</u>	
<b>'-8002 Master Prog Rev 0 (Origin</b> Critical Split Task Task Split Milestone ◆ Summary ▼	19         Obtain Permit to work & Road close permit	0 days	01/07/20	01/07/20	
	7-8002 Master Prog Rev 0 (Origin Critical Split	Split		····· N	Ailestone  Summary

ID	Task Name	Duration	Start	Finish
320	Re-excavate & new cable trench for cable laying	273 days	02/07/20	31/03/21
321	Section J - (i) Demolition of Retractable Cover A&B & (ii) Construction of new LOT 3 & 4	<u>426 days</u>	<u>01/03/20</u>	<u>30/04/21</u>
322	Obtain permit to work & Road close permit	0 days	01/03/20	01/03/20
323	Erection of Hoarding	21 days	01/03/20	21/03/20
324	Removal of existing cover & structural steel	30 days	22/03/20	20/04/20
325	Demolish of existing bund wall and staircases	45 days	21/04/20	04/06/20
326	Demolish of existing slab & foundation	60 days	05/06/20	03/08/20
327	Consent for new work	30 days	04/08/20	02/09/20
328	Construction of new bund wall and foundation	100 days	03/09/20	11/12/20
329	Construction of new oil separator	80 days	23/09/20	11/12/20
330	Construct underground drainage and surface channel	40 days	12/12/20	20/01/21
331	Construction on-grade slab	60 days	21/01/21	21/03/21
332	Removal of hoarding and ground reinstatement	40 days	22/03/21	30/04/21
333	Section K1 - External works at Area 15 ( E ) and 15( F )	<u>365 days</u>	01/06/20	<u>31/05/21</u>
334	Removal of surcharge	30 days	01/06/20	30/06/20
335	Construct new drainage and utilities work	200 days	01/07/20	16/01/21
336	Road & Paving	135 days	17/01/21	31/05/21
337	Section K2 - Removal of Southern Bund and External Works at Area D5, D6 and D7	<u>365 days</u>	<u>01/06/20</u>	<u>31/05/21</u>
338	Demolition work	30 days	01/06/20	30/06/20
339	Construct new drainage and utilities work	200 days	01/07/20	16/01/21
340	Road & Paving	135 days	17/01/21	31/05/21
341	Section K3 - All remaining works shall be completed for reporting completion to BD and ready for OP inspection	<u>0 days</u>	<u>31/05/21</u>	<u>31/05/21</u>

Task Split

Split Milestone ♦

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Appendix J
03/09/18
Half
Mar '19