

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	July 33					August 34					September 35				October 36				November 37
						02	09	16	23	30	06	13	20	27	03	10	17	24	01	08	15	22	29	05
YL Effluent Polishing Plant - Main Works Stage 1 - Detailed Works Programme DPv28 draft																								
Contract Data Part 1																								
Access Dates																								
ADWA2	Work Area WA2 (sd) (new site possession) validity for 12 months and subject to renewal	757	05-Mar-21 A	22-Feb-24*	0																			
ADP5	Portion 5 (sd+944d)	0	11-Jun-23 A																					
Environmental Constraints																								
EBS-2165	Egrets Breeding Season 2023	184	01-Mar-23 A	31-Aug-23	0	Egrets Breeding Season 2023																		
Planned Completion																								
Compensation Events																								
CE231	Implementation of Compensation Event (CE) No. 231 - Weather conditions affecting the site in Dec 2022	0		30-Jun-23 A		Implementation of Compensation Event (CE) No. 231 - Weather conditions affecting the site in Dec 2022																		
CE237	Implementation of Compensation Event (CE) No. 237 - Weather conditions affecting the site in Jan 2023	0		30-Jun-23 A		Implementation of Compensation Event (CE) No. 237 - Weather conditions affecting the site in Jan 2023																		
Preliminary and Preparation Works																								
Subletting																								
SUB-270	Subletting for ELS works for IW, PST, SDB, STB, SD, MBB, TTB, underpass and open cut for admin. bldg	312	12-Oct-21 A	20-Sep-23	-181	Subletting for ELS works for IW, PST, SDB, STB, SD, MBB, TTB, underpass and open cut for admin. bldg																		
SUB-380	Subletting for Sheet piling works for remaining areas	333	12-Oct-21 A	11-Oct-23	208	Subletting for Sheet piling works for remaining areas																		
SUB-280	Subletting for RC works for IW, PST, SDB, STB, SD, Biogas holder, underpass and admin. bldg	256	29-Nov-21 A	12-Sep-23	-237	Subletting for RC works for IW, PST, SDB, STB, SD, Biogas holder, underpass and admin. bldg																		
SUB-350	Subletting for Waterproofing membrane and protection board	300	29-Nov-21 A	04-Sep-23	-48	Subletting for Waterproofing membrane and protection board																		
SUB-360	Subletting for Rebar fixing	86	29-Nov-21 A	30-Sep-23	-237	Subletting for Rebar fixing																		
SUB-310	Subletting for Utilities Corridor ELS	60	08-Aug-22 A	09-Sep-23	-203	Subletting for Utilities Corridor ELS																		
SUB-290	Subletting for ABWF works for IW, PST, SDB, STB, MBR, TTB and admin. bldg	60	01-Aug-23	29-Sep-23	-129	Subletting for ABWF works for IW, PST, SDB, STB, MBR, TTB and admin. bldg																		
SUB-300	Subletting for RC works for MBR and TTB	60	06-Oct-23	04-Dec-23	28	Subletting for RC works for MBR and TTB																		
SUB-340	Subletting for Drainage, Sewage & waterworks	90	06-Oct-23	03-Jan-24	28	Subletting for Drainage, Sewage & waterworks																		
Design Submission																								
Temporary Works Design																								
Mainstream Bio-Reactor System																								
TWD-240	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	20-Jun-22 A	22-Aug-23	-203	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																		
TWD-250	ELS - Obtain Approval	7	23-Aug-23	29-Aug-23	238	ELS - Obtain Approval																		
Sludge Thickening Building																								
One-stage design																								
TWD-210	ELS - Obtain Approval	7	10-Dec-22 A	22-Aug-23	-35	ELS - Obtain Approval																		
Tertiary Treatment System																								
TWD-170	ELS - Obtain Approval	7	30-Dec-22 A	25-Aug-23	-190	ELS - Obtain Approval																		
Sludge Digester 1-3 & Utilities Corridor																								
TWD-370	ELS - Obtain Approval	7	21-Dec-22 A	22-Aug-23	-125	ELS - Obtain Approval																		
Sludge Digester 4-6																								
TWD-460	ELS - Prepare & Submission for PM's review	45	23-Aug-23	06-Oct-23	478	ELS - Prepare & Submission for PM's review																		
TWD-470	ELS - Review by PM's & ICE review (28 d + 7d)	35	07-Oct-23	10-Nov-23	478	ELS - Review by PM's & ICE review (28 d + 7d)																		
Sludge Dewatering and Underpass																								
TWD-260	ELS - Prepare & Submission for PM's review	45	01-Aug-23	14-Sep-23	179	ELS - Prepare & Submission for PM's review																		
TWD-270	ELS - Review by PM's & ICE review (28 d + 7d)	35	15-Sep-23	19-Oct-23	179	ELS - Review by PM's & ICE review (28 d + 7d)																		
TWD-280	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	20-Oct-23	02-Nov-23	179	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																		
Modification of Existing Emergency Bypass Chamber																								
TWD-670	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	08-Jul-23 A	17-Aug-23	-77	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																		
TWD-680	ELS - Obtain Approval	7	18-Aug-23	24-Aug-23	-77	ELS - Obtain Approval																		
Modification of Existing Inspection Chamber & Inlet Effluent Pipes from NSWSPS																								
TWD-700	ELS - Prepare & Submission for PM's review	45	26-Oct-22 A	21-Aug-23	-61	ELS - Prepare & Submission for PM's review																		
TWD-710	ELS - Review by PM's & ICE review (28 d + 7d)	35	22-Aug-23	25-Sep-23	-61	ELS - Review by PM's & ICE review (28 d + 7d)																		
TWD-720	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	26-Sep-23	09-Oct-23	-61	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																		
TWD-730	ELS - Obtain Approval	7	10-Oct-23	16-Oct-23	-61	ELS - Obtain Approval																		
Temporary pipework between PST Stage 1 and A-Tank Inlet [Temporary pumping system]																								
TWD-750	Hydraulic design - Prep(45d), Sub.&Review(30d), Comment&Resub (14d) & Approval (7d)	96	01-Aug-23	04-Nov-23	34	Hydraulic design - Prep(45d), Sub.&Review(30d), Comment&Resub (14d) & Approval (7d)																		
TWD-760	Civil structure design - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	96	31-Aug-23	04-Dec-23	34	Civil structure design - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)																		
TWD-770	ELS - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	96	31-Aug-23	04-Dec-23	34	ELS - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)																		
Temporary pumping and pipeworks between existing Detritor and PST Stage 1 [Temp. pumping system]																								
TWD-780	Hydraulic design - Prep(45d), Sub.&Review(30d), Comment&Resub (14d) & Approval (7d)	96	01-Aug-23	04-Nov-23	-40	Hydraulic design - Prep(45d), Sub.&Review(30d), Comment&Resub (14d) & Approval (7d)																		
TWD-790	Civil structure design - Prep(45d), Sub.&Review(30d), Comment&Resub (14d) & Approval (7d)	96	16-Aug-23	19-Nov-23	-40	Civil structure design - Prep(45d), Sub.&Review(30d), Comment&Resub (14d) & Approval (7d)																		
TWD-800	ELS - Prep(45d), Sub.&Review(30d), Comment&Resub (14d) & Approval (7d)	96	31-Aug-23	04-Dec-23	-40	ELS - Prep(45d), Sub.&Review(30d), Comment&Resub (14d) & Approval (7d)																		
Temporary Traffic Arrangement at Wang Lok Street for watermain works																								
TWD-820	TTA - Prepare/submit/review/approve TTA design and drawings to PM and TMLG	120	12-Feb-22 A	28-Nov-23	912	TTA - Prepare/submit/review/approve TTA design and drawings to PM and TMLG																		
Temporary Working Platform at ELS																								



- Remaining Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

Contract DC/2019/10 - YLEPP - Main Works for Stage 1

Monthly Progress Report No. 33 - 3MRP (Jul 2023)

Project ID : DWPr28_230814r1
 Layout : DC201910 MPR33-3MRP
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Monthly Progress Report - 3MRP			
Date	Revision	Checked	Approved
31-Jul-23	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	July 33				August 34				September 35				October 36				November 37	
						02	09	16	23	30	06	13	20	27	03	10	17	24	01	08	15	22	29
Temporary Working Platform at AGS ELS																							
TWD-910	Temp. Working Platform - AGS ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	06-May-23 A	16-Aug-23	-185																		
TWD-920	Temp. Working Platform - AGS ELS - Obtain Approval	7	17-Aug-23	23-Aug-23	-185																		
Temporary Working Platform at TTS ELS																							
TWD-950	Temp. Working Platform - TTS ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	17-Apr-23 A	16-Aug-23	-191																		
TWD-960	Temp. Working Platform - TTS ELS - Obtain Approval	7	17-Aug-23	23-Aug-23	-191																		
Temporary diversion scheme for Early commissioning of SD, BH1, H2S and STB																							
TWD-970	Temp. pipe. for BH1 Early Comm.-Prep(90d),Sub.&Review(30d) Comment&Resub(14d)&Approval(7d)	141	30-Jun-23 A	19-Dec-23	13																		
TWD-1010	Temp. pipe. for SD1-2 Early Comm.-Prep(90d),Sub.&Review(30d) Comment&Resub(14d)&Approval(7d)	141	21-Oct-23	09-Mar-24	82																		
Contractor's Permanent Works Design (include ATAL)																							
AIP																							
Package 3A - Plant Service Water																							
AIP-520	E&M AIP Report for Plant Service Water - Resubmission for further review	45	20-Dec-21 A	30-Aug-23	-4																		
AIP-530	E&M AIP Report for Plant Service Water - Obtain Approval	7	31-Aug-23	06-Sep-23	-4																		
Package 23A - Security, Public Address and Communication System																							
AIP-960	SPC - Review by PM's & ICE review (28 d + 7d)	45	19-Apr-23 A	16-Aug-23	9																		
AIP-970	SPC - Resubmission for further review	45	17-Aug-23	30-Sep-23	9																		
AIP-980	SPC - Obtain Approval	13	01-Oct-23	13-Oct-23	9																		
DDA																							
Package 2 - Tertiary Treatment System																							
DDA-170	Civil Req. for TTS (Foundation design) - Prepare(27d), Sub. & Review(45d),Comment & Resub.(14d), GEO(28d)&	121	13-Jun-21 A	30-Aug-23	-5																		
DDA-150	Foundation for TTS - Prepare (90d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d), GEO (28d)	213	08-Oct-21 A	17-Sep-23	-20																		
DDA-180	Civil Req. for TTS (Superstruct. design) - Prepare (147d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approv	213	11-Oct-21 A	30-Aug-23	166																		
DDA-200	Mechanical for TTS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	213	31-Dec-21 A	24-Nov-23	166																		
DDA-210	Electrical& Control for TTS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	213	31-Dec-21 A	24-Nov-23	166																		
DDA-140	Architectural for TTS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	126	17-Nov-22 A	24-Nov-23	94																		
DDA-160	Civil & Structural for TTS - Prepare (120d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	177	17-Nov-22 A	22-Nov-23	-89																		
DDA-220	Building Services (BS) for TTS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	101	16-Aug-23*	24-Nov-23	166																		
Package 3 - Mainstream Bio-Reactor System																							
DDA-260	Civil Req. for MBS-AGS (Foundation design) - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Ap	126	09-Jun-21 A	30-Aug-23	98																		
DDA-280	P&ID for MBS (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	126	08-Oct-21 A	18-Sep-23	315																		
DDA-290	Mechanical for MBS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	126	08-Oct-21 A	18-Sep-23	315																		
DDA-300	Electrical& Control for MBS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	405	08-Oct-21 A	18-Sep-23	315																		
DDA-270	Civil Req. for MBS-AGS (Superstruct. design) - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Ap	126	01-Mar-22 A	30-Aug-23	98																		
DDA-240	Foundation for MBS - Prepare (97d), Sub. & Review(45d) ,Comment & Resub.(14d),GEO(28d)& Approval (7d)	230	18-Mar-22 A	08-Nov-23	28																		
DDA-250	Civil & Structural for MBS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	170	20-Jan-23 A	04-Dec-23	98																		
DDA-1530	VCAB for AGS&TTS - Prepare (30d), Sub. & Review(30d)	204	16-Jun-23 A	20-Feb-24	209																		
DDA-310	Building Services (BS) for MBS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	122	31-Aug-23*	30-Dec-23	212																		
Package 5A - Master Water Meter Room																							
DDA-360	Foundation for Master WM Room- Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d),GEO(28d) & Ap	154	15-Feb-22 A	16-Oct-23	11																		
DDA-370	Civil & Struct. for WM Room- Prepare (90d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	156	15-Apr-22 A	16-Oct-23	11																		
DDA-380	General Arrangement & Civil Req. for MWMC - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Ap	100	14-Apr-23 A	16-Oct-23	11																		
DDA-390	P&ID for MWMC - MBS (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	64	01-Aug-23	03-Oct-23	24																		
DDA-400	Mechanical for MWMC - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	100	25-Sep-23	02-Jan-24	33																		
DDA-410	Electrical& Control for MWMC - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	100	25-Sep-23	02-Jan-24	33																		
Package 5B - Plant Service Water (PSW)																							
DDA-1050	Civil Requirement Drawings - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	12-Jun-21 A	29-Nov-23	-28																		
DDA-1040	Piping & Instrumentation Diagram (P&ID) - Prep(30d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	220	26-Jun-23 A	05-Jun-24	-28																		
DDA-1060	Electrical & Control for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	220	30-Oct-23	05-Jun-24	-28																		
DDA-1070	Mechanical for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	220	30-Oct-23	05-Jun-24	-28																		
Package 6 - Sludge Thickening Chemical and Dosing System																							
DDA-1120	P&ID for STCDS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	335	14-Aug-21 A	28-Feb-24	291																		
DDA-430	Found. for STCS,WasteGasBurner & Guard Hse- Prepare(60d),Sub.&Review(45d),Comment & Resub.(14d),GEO(96	09-Nov-21 A	30-Jan-24	883																		
DDA-440	Civil & Struct. for STCS, WGB & Guard Hse - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Ap	250	09-Nov-21 A	30-Jan-24	-196																		
DDA-440B	Civil Req. for STCDS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	300	15-Nov-21 A	30-Dec-23	351																		
DDA-1130	Mechanical for STCDS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	340	15-Nov-21 A	28-Feb-24	329																		
DDA-1140	Electrical & Control for STCDS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	315	30-Nov-21 A	01-Nov-23	1033																		
DDA-1520	Mechanical Ventilation and Air conditional System Design for Sludge Thickening Building (STB)	320	16-Jun-22 A	30-Mar-24	298																		
DDA-1510	Plumbing and Drainage System Design for Sludge Thickening Building (STB)	320	07-Jul-22 A	30-Mar-24	298																		
DDA-1500	Fire Services Design for Sludge Thickening Building (STB)	320	08-Jul-22 A	30-Mar-24	298																		
DDA-1150	Building Services for STCDS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	126	24-Oct-22 A	30-Mar-24	883																		



- Remaining Level of Eff.
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

Contract DC/2019/10 - YLEPP - Main Works for Stage 1

Monthly Progress Report No. 33 - 3MRP (Jul 2023)

Project ID : DWPr28_230814r1
 Layout : DC201910 MPR33-3MRP
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Monthly Progress Report - 3MRP			
Date	Revision	Checked	Approved
31-Jul-23	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	July 33				August 34				September 35				October 36				November 37
						02	09	16	23	30	06	13	20	27	03	10	17	24	01	08	15	22
Package 7 - CLP Substation and 11kV Switchgear House																						
DDA-490	BS for CLP Sub. & 11kV Switchgear Hse - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	78	01-Jun-21 A	30-Aug-23	-66	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													BS for CLP Sub. & 11kV Switchgear Hse - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)			
DDA-480	UPS System for CLP Sub. & 11kV Switchgear Hse - Prepare (102d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	168	03-Jun-21 A	30-Sep-23	-104	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													UPS System for CLP Sub. & 11kV Switchgear Hse - Prepare (102d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)			
DDA-1450	VCAB, FSD & WSD Design Report - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	78	02-Jul-21 A	30-Aug-23	-104	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													VCAB, FSD & WSD Design Report - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)			
Package 9 - Inlet Work (IW)																						
DDA-1190	Mechanical for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	120	09-Aug-21 A	30-Sep-23	-54	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Mechanical for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)			
DDA-1200	Electrical & Control for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	120	30-Oct-21 A	30-Sep-23	-104	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Electrical & Control for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)			
DDA-1210	Building Services for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	76	30-Mar-22 A	30-Sep-23	-104	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Building Services for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)			
Package 10 - Primary Sedimentation Tank (PST)																						
DDA-1240	Mechanical for PST - Prepare (46d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)	120	01-Jun-21 A	31-Aug-23	761	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Mechanical for PST - Prepare (46d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)			
DDA-1250	Electrical & Control for PST - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	48	31-Aug-21 A	31-Aug-23	761	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Electrical & Control for PST - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)			
DDA-1260	Building Services for PST - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	90	01-Oct-21 A	31-Aug-23	761	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Building Services for PST - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)			
Package 11 - Control and Monitoring System																						
DDA-580	Power Quality & Energy Management System (PQEMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	130	02-Oct-21 A	31-Aug-23	-6	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Power Quality & Energy Management System (PQEMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)			
DDA-550	Supervisory Control&Data Application (SCADA) System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	238	24-Apr-23 A	24-Nov-23	333	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Supervisory Control&Data Application (SCADA) System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)			
DDA-1270	Gas Detection System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	91	08-May-23 A	31-Aug-23	333	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Gas Detection System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)			
DDA-560	Computerised Maintenance Management System (CMMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	488	01-Sep-23	31-Dec-24	23	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Computerised Maintenance Management System (CMMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)			
DDA-570	Information and Document management System (IDMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	488	01-Sep-23	31-Dec-24	23	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Information and Document management System (IDMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)			
DDA-1280	Data Collection, Management, Analysis, & Model System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	488	01-Sep-23	31-Dec-24	23	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Data Collection, Management, Analysis, & Model System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)			
Package 12 - Chemical System for STB																						
DDA-650	Chemical System for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	212	01-Aug-23	28-Feb-24	291	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Chemical System for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)			
Package 13 - Pipework System																						
DDA-660	Pipeworks System for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	01-Aug-23	04-Dec-23	410	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Pipeworks System for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)			
DDA-1030	Pipeworks System for Sludge Digesters - Prep(60d),Sub.&Review(45d),Comment&Resub (14d) & Approval (7d)	126	01-Aug-23	04-Dec-23	107	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Pipeworks System for Sludge Digesters - Prep(60d),Sub.&Review(45d),Comment&Resub (14d) & Approval (7d)			
Package 14 - Sludge Anaerobic Digestion System (SDT)																						
DDA-1320	Electrical & Control for SDT & UC/PP - Prepare (55d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	460	02-Jul-21 A	30-Mar-24	-10	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Electrical & Control for SDT & UC/PP - Prepare (55d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)			
DDA-1310	Mechanical for SDT & UC/PP - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	460	10-Jul-21 A	30-Sep-23	172	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Mechanical for SDT & UC/PP - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)			
DDA-1340	Civil Req. Drawing for UC/PP - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	580	10-Jul-21 A	30-Sep-23	-10	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Civil Req. Drawing for UC/PP - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)			
DDA-1330	Building Services for SDT & UC/PP - Prepare (56d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	182	01-Oct-23	30-Mar-24	-10	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Building Services for SDT & UC/PP - Prepare (56d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)			
Package 15 - Biogas H2S Removal, Storage and Delivery System																						
DDA-1350	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78	31-Aug-21 A	15-Aug-23	-134	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)			
DDA-1370	Mechanical for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78	05-Oct-21 A	15-Sep-23	-69	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Mechanical for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)			
DDA-1400	Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78	07-Dec-21 A	15-Aug-23	-84	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)			
DDA-1390	Building Services for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	137	31-May-23 A	30-Dec-23	-69	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Building Services for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)			
DDA-1380	Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	137	16-Aug-23	30-Dec-23	-84	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)			
Package 16 - Deodorization Unit System																						
DDA-1420	Mechanical for DOU No. 1 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78	04-Mar-22 A	31-Aug-23	27	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Mechanical for DOU No. 1 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)			
DDA-1440	Mechanical for DOU No. 3 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	300	17-Jul-22 A	04-Oct-23	477	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Mechanical for DOU No. 3 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)			
DDA-1430	Mechanical for DOU No. 2A and 2B - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	95	01-Aug-23	03-Nov-23	447	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Mechanical for DOU No. 2A and 2B - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)			
Package 17 - Sludge Dewatering Building (SDB)																						
DDA-920	Fire Services System for SDB - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	332	01-Oct-23	27-Aug-24	-104	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Fire Services System for SDB - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)			
DDA-930	Mechanical for Sludge Dewatering Building (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	424	01-Oct-23	27-Nov-24	532	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Mechanical for Sludge Dewatering Building (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)			
DDA-940	Plumbing System for Sludge Dewatering Bldg (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub(14d) & Approval (7d)	424	01-Oct-23	27-Nov-24	532	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Plumbing System for Sludge Dewatering Bldg (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub(14d) & Approval (7d)			
DDA-950	BS for Sludge Dewatering Building (SDB) - Prep(118d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	424	01-Oct-23	27-Nov-24	-104	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													BS for Sludge Dewatering Building (SDB) - Prep(118d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)			
Package 20 - Trellis																						
DDA-720	Civil & Structural for Trellis - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	207	05-Aug-23	27-Feb-24	728	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Civil & Structural for Trellis - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)			
Package 22 - Sampling System of YLEPP																						
DDA-740	Sampling System for IW&PST - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	62	07-Jul-23 A	01-Oct-23	-104	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Sampling System for IW&PST - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)			
DDA-1630	Sampling System for STB - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	128	01-Sep-23	06-Jan-24	-10	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Sampling System for STB - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)			
Package 23 - Security, Public Address and Communication System																						
DDA-750	SPC sitewide ACS - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	98	21-Jun-23 A	06-Oct-23	8	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													SPC sitewide ACS - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)			
Package 24 - Administration Building (ADB)																						
DDA-0960	Architectural for Administration Building (ADB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	01-Aug-23	04-Dec-23	102	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Architectural for Administration Building (ADB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)			
Design out of ATAL's Scope																						
DDA-1540	Drainage systems at base slab / foundation levels - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	01-Aug-23	04-Dec-23	432	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Drainage systems at base slab / foundation levels - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)			
DDA-1560	Street fire hydrant system - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	01-Aug-23	04-Dec-23	-84	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Street fire hydrant system - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)			
Technical Submission																						
Factory Acceptance Test Plans																						
SUBM-1090	Submit/review/approval Factory Acceptance Test Plans - Inlet pumps	120	18-Apr-23 A	13-Sep-23	51	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Submit/review/approval Factory Acceptance Test Plans - Inlet pumps			
SUBM-1100	Submit/review/approval Factory Acceptance Test Plans - Thickening centrifuges	120	12-Jun-23 A	28-Oct-23	272	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Submit/review/approval Factory Acceptance Test Plans - Thickening centrifuges			
SUBM-1120	Submit/review/approval Factory Acceptance Test Plans - 11kV switchboards	120	16-Jun-23 A	28-Oct-23	-99	[Gantt bar: July 02-30, Aug 06-13, Sep 03-10]													Submit/review/approval Factory Acceptance Test Plans - 11kV switchboards			



- Remaining Level of Eff.
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

Contract DC/2019/10 - YLEPP - Main Works for Stage 1

Monthly Progress Report No. 33 - 3MRP (Jul 2023)

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Date	Revision	Checked	Approved
31-Jul-23	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	July 33				August 34				September 35				October 36			November 37				
						02	09	16	23	30	06	13	20	27	03	10	17	24	01	08	15	22	29	05	
SUBM-1110	Submit/review/approval Factory Acceptance Test Plans - Disc filter system	120	01-Aug-23	28-Nov-23	116																				
SUBM-1130	Submit/review/approval Factory Acceptance Test Plans - SCADA system	120	01-Aug-23	28-Nov-23	-13																				
Operation and Maintenance (O&M) Manuals and Installation Manuals (PS 34.20(11)(12)(13))																									
Inlet Works and Primary Sedimentation Tank																									
SUBM-1070	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	05-Jan-23 A	22-Aug-23	-120	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals																			
SUBM-1200	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft	60	23-Aug-23	21-Oct-23	6	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft																			
AGS and TTS system																									
SUBM-1220	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	23-Aug-23	21-Oct-23	215	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft																			
SUBM-1230	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft	60	22-Oct-23	20-Dec-23	722	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft																			
Sludge Thickening System																									
SUBM-1250	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	23-Aug-23	21-Oct-23	692	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft																			
SUBM-1260	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft	60	22-Oct-23	20-Dec-23	692	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft																			
Sludge Digestion System																									
SUBM-1310	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	23-Aug-23	21-Oct-23	-120	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft																			
SUBM-1320	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft	60	22-Oct-23	20-Dec-23	331	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft																			
Biogas H2S Removal System																									
SUBM-1280	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	23-Aug-23	21-Oct-23	-120	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft																			
SUBM-1290	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft	60	22-Oct-23	20-Dec-23	954	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft																			
Deodourization System																									
SUBM-1340	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	22-Oct-23	20-Dec-23	-120	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft																			
Plant Service Water System																									
SUBM-1370	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	22-Oct-23	20-Dec-23	894	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft																			
Commissioning Plan and Procedures (PS34.20(10))																									
SUBM-1080	Employment of HOKLAS laboratory for commissioning test	60	23-May-22 A	19-Sep-23	-52	Employment of HOKLAS laboratory for commissioning test																			
SUBM-1000	Submit/review/approval Commissioning Plan and Procedures - Early commissioning of IW	120	20-Sep-23	17-Jan-24	4	Submit/review/approval Commissioning Plan and Procedures - Early commissioning of IW																			
SUBM-1010	Submit/review/approval Commissioning Plan and Procedures - Early commissioning of PST	120	20-Sep-23	17-Jan-24	-52	Submit/review/approval Commissioning Plan and Procedures - Early commissioning of PST																			
SUBM-1020	Submit/review/approval Commissioning Plan and Procedures - AGS	120	20-Sep-23	17-Jan-24	194	Submit/review/approval Commissioning Plan and Procedures - AGS																			
SUBM-1030	Submit/review/approval Commissioning Plan and Procedures - TTS	120	20-Sep-23	17-Jan-24	619	Submit/review/approval Commissioning Plan and Procedures - TTS																			
SUBM-1040	Submit/review/approval Commissioning Plan and Procedures - STB	120	20-Sep-23	17-Jan-24	664	Submit/review/approval Commissioning Plan and Procedures - STB																			
SUBM-1050	Submit/review/approval Commissioning Plan and Procedures - SDT	120	20-Sep-23	17-Jan-24	303	Submit/review/approval Commissioning Plan and Procedures - SDT																			
SUBM-1060	Submit/review/approval Commissioning Plan and Procedures - Biogas system	120	20-Sep-23	17-Jan-24	63	Submit/review/approval Commissioning Plan and Procedures - Biogas system																			
Material Submission, Procurement, Manufacturing and Delivery																									
Inlet Works																									
PRE-210	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Screening system (fixed bar,coarse,fine)	300	16-Mar-21 A	31-Aug-23	12	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Screening system (fixed bar,coarse,fine)																			
PRE-700	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Inlet pumps (HF,LF,Drainage)	330	05-Jan-22 A	30-Aug-23	51	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Inlet pumps (HF,LF,Drainage)																			
PRE-290	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Grit Trap and classifier	270	18-Feb-22 A	30-Jun-24	-224	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Grit Trap and classifier																			
PRE-280	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Conveyor and compactor	270	12-Apr-22 A	01-Mar-24	-91	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Conveyor and compactor																			
PRE-330	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - DOU-01	330	26-May-22 A	31-Jan-24	-109	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - DOU-01																			
PRE-300	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - LALG	270	28-Jul-22 A	21-Nov-23	-70	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - LALG																			
PRE-310	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Penstocks and stoplogs	270	13-Sep-22 A	21-Nov-23	-70	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Penstocks and stoplogs																			
PRE-320	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - MVAC-Ventilation Fan	211	10-Jan-23 A	01-Mar-24	-141	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - MVAC-Ventilation Fan																			
Primary Sedimentation Tanks																									
PRE-380	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - LALG	180	25-Jul-22 A	15-Aug-23	-119	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - LALG																			
PRE-390	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Penstocks and stoplogs	270	13-Aug-22 A	18-Sep-23	-58	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Penstocks and stoplogs																			
PRE-340	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Bottom scraper	255	08-Sep-22 A	30-Nov-23	-11	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Bottom scraper																			
PRE-350	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - IPS air scouring blower	255	27-Sep-22 A	30-Nov-23	-44	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - IPS air scouring blower																			
PRE-360	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Scum pump and skimmer	255	29-Sep-22 A	30-Dec-23	-124	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Scum pump and skimmer																			
PRE-370	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Primary sludge pump and grinder	255	29-Sep-22 A	30-Nov-23	-94	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Primary sludge pump and grinder																			
PRE-400	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Pipeworks and valves	194	15-Oct-22 A	03-Oct-23	-89	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Pipeworks and valves																			
Biogas Holder																									
PRE-270	Submit/Procure/Manufacture/Deliver Biogas Holding Tanks (membrane, steel tank and parts, instrumentation)	660	09-Jun-21 A	31-Aug-23	-69	Submit/Procure/Manufacture/Deliver Biogas Holding Tanks (membrane, steel tank and parts, instrumentation)																			
PRE-410	Submit/Procure/Manufacture/Deliver Waster Gas Burner	300	19-Aug-21 A	20-Oct-26	-86	Submit/Procure/Manufacture/Deliver Waster Gas Burner																			
PRE-420	Submit/Procure/Manufacture/Deliver H2S Removal System	510	25-Feb-22 A	28-Jun-25	-107	Submit/Procure/Manufacture/Deliver H2S Removal System																			
PRE-430	Submit/Procure/Manufacture/Deliver Biogas booster and transfer pumps	334	01-Aug-23*	29-Jun-24	-107	Submit/Procure/Manufacture/Deliver Biogas booster and transfer pumps																			
Sludge Digester Tank																									
PRE-750	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Flame Arresters	100	31-Oct-22 A	15-Aug-23	218	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Flame Arresters																			
PRE-780	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Mixing System and Heat Exchanger for Sludge Anaer	420	22-Dec-22 A	10-Feb-24	129	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Mixing System and Heat Exchanger for Sludge Anaer																			
PRE-720	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Inspection Windows for Sludge Anaerobic System	365	18-Jan-23 A	20-Feb-24	119	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Inspection Windows for Sludge Anaerobic System																			
PRE-730	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Gas Take Off Dome for Sludge Anaerobic Digestion S	365	18-Jan-23 A	20-Feb-24	119	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Gas Take Off Dome for Sludge Anaerobic Digestion S																			
PRE-710	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Pressure and Vacuum Relief Valves	300	01-Mar-23 A	28-Dec-23	84	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Pressure and Vacuum Relief Valves																			
PRE-740	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Telescopic Valve for Sludge Anaerobic Digestion Syst	208	01-Aug-23	24-Feb-24	84	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Telescopic Valve for Sludge Anaerobic Digestion Syst																			
PRE-760	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Ferric Chloride Dosing Pump	151	29-Aug-23	26-Jan-24	84	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Ferric Chloride Dosing Pump																			



- Remaining Level of Eff.
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

Contract DC/2019/10 - YLEPP - Main Works for Stage 1

Monthly Progress Report No. 33 - 3MRP (Jul 2023)

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Monthly Progress Report - 3MRP			
Date	Revision	Checked	Approved
31-Jul-23	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	July 33					August 34				September 35				October 36			November 37						
						02	09	16	23	30	06	13	20	27	03	10	17	24	01	08	15	22	29	05				
PRE-770	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Ferric Chloride Transfer Pump	151	29-Aug-23	26-Jan-24	84																							
Sludge Thickening Building																												
PRE-250	Submit/Procure/Manufacture/Deliver Sludge Thickening System - Thickening Centrifuges	360	12-Nov-21 A	20-Apr-24	272																							
PRE-500	Submit/Procure/Manufacture/Deliver Sludge Thickening System - Pump and jet mixer	300	07-Jan-22 A	20-Apr-24	272																							
PRE-510	Submit/Procure/Manufacture/Deliver Sludge Thickening System - LALG	256	28-Mar-23 A	20-Apr-24	269																							
PRE-480	Submit/Procure/Manufacture/Deliver Sludge Thickening System - Polymer preparation system	388	12-Apr-23 A	20-Apr-24	239																							
PRE-490	Submit/Procure/Manufacture/Deliver Sludge Thickening System - DOU-03	264	01-Aug-23*	20-Apr-24	269																							
PRE-520	Submit/Procure/Manufacture/Deliver Sludge Thickening System - MVAC	225	09-Sep-23*	20-Apr-24	272																							
Mainstream Bio-Reactor																												
PRE-230	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - AGS system	480	09-Sep-22 A	03-Jul-24	26																							
PRE-530	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Penstocks and stoplogs	345	31-Oct-22 A	11-Nov-24	-21																							
PRE-550	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Sludge pre-thickening system	510	31-Oct-22 A	03-Jul-24	109																							
PRE-540	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Chemical storage and dosing system	270	18-Nov-22 A	03-Jul-24	26																							
Tertiary Treatment System																												
PRE-610	Submit/Procure/Manufacture/Deliver TTS Equip. - Pumping system	495	19-Jul-22 A	05-Jul-24	116																							
PRE-600	Submit/Procure/Manufacture/Deliver TTS Equip. - UV disinfection system	510	08-Sep-22 A	05-Jul-24	116																							
PRE-240	Submit/Procure/Manufacture/Deliver TTS Equip. - Disc Filter	600	27-Sep-22 A	05-Jul-24	116																							
PRE-590	Submit/Procure/Manufacture/Deliver TTS Equip. - Chemical cleaning system	480	18-Nov-22 A	05-Jul-24	116																							
PRE-630	Submit/Procure/Manufacture/Deliver TTS Equip. - Penstocks and stoplogs	435	30-Nov-22 A	05-Jul-24	116																							
PRE-690	Submit/Procure/Manufacture/Deliver TTS Equip. - DOU-02	301	08-Aug-23*	03-Jun-24	148																							
Electrical and Control System																												
PRE-680	Submit/Procure/Manufacture/Deliver Electrical and Control System - SCADA and instrumentation	420	30-Apr-22 A	31-Jan-24	-13																							
PRE-640	Submit/Procure/Manufacture/Deliver Electrical and Control System - HVSB and Tx	283	21-Dec-22 A	31-Jan-24	-99																							
PRE-650	Submit/Procure/Manufacture/Deliver Electrical and Control System - LVSB	300	21-Dec-22 A	31-Jan-24	-96																							
PRE-660	Submit/Procure/Manufacture/Deliver Electrical and Control System - UPS	300	21-Dec-22 A	04-Jan-24	-105																							
PRE-670	Submit/Procure/Manufacture/Deliver Electrical and Control System - Armoured Cable	203	21-Dec-22 A	27-Nov-23	149																							
Site Establishment Works																												
Portion 5 - Walkway																												
P5-100	Portion 5 - Initial Survey and Record, Underground Utilities Detection	12	12-Jun-23 A	14-Aug-23	755	Portion 5 - Initial Survey and Record, Underground Utilities Detection																						
P5-110	Portion 5 - Installation of Water Barriers, Clearance, Haul Road and Temp Facilities	12	12-Jun-23 A	14-Aug-23	755	Portion 5 - Installation of Water Barriers, Clearance, Haul Road and Temp Facilities																						
Statutory Submission & Approval																												
FSI, FSD and OP Requirements																												
FSI Submission & Approval																												
FSD-1200	Submission/Review/Approval by PM and FSD - Full GBP+GBP for TOP1 with DG - RfC & 3rd submission	120	30-May-23 A	25-Dec-23	-164																							
WSD Submission & Approval																												
WSD-1000	WSD - Submit Form WWO542	0		31-Jul-23	-82	◆ WSD - Submit Form WWO542																						
WSD-1010	WSD - Form WWO542 PM&WSD review and approval	90	01-Aug-23	29-Oct-23	-82	WSD - Form																						
WSD-1020	WSD - Submit Form WWO46 Part 1 and 2	0		29-Oct-23	-82	◆ WSD - Sub																						
WSD-1030	WSD - Form WWO46 Part 1 and 2 PM&WSD review and approval	90	30-Oct-23	27-Jan-24	-82																							
EMSD Submission & Approval																												
Biogas System (ATAL)																												
Phase 1																												
ATAL-FS-0020	Form 105 for Biogas Holder Tank 1(Submission and Approval Period)	184	08-Nov-22 A	01-Dec-23	144																							
EPD Submission & Approval for VEP																												
EPD-1000	EPD - VEP Review, prepare and submit to PM	60	24-May-23 A	15-Sep-23	136	EPD - VEP Review, prepare and submit to PM																						
EPD-1010	EPD - VEP RfC to PM and approval	7	16-Sep-23	22-Sep-23	136	EPD - VEP RfC to PM and approval																						
EPD-1050	EPD - VEP consultation with HKBW	28	16-Sep-23	13-Oct-23	150	EPD - VEP consultation with H																						
EPD-1020	EPD - VEP Submission to DSD and EPD	28	23-Sep-23	20-Oct-23	136	EPD - VEP Submission																						
EPD-1030	EPD - VEP RfC to DSD and EPD	7	21-Oct-23	27-Oct-23	136	EPD - VEP R																						
EPD-1060	EPD - VEP Gazette	28	28-Oct-23	24-Nov-23	136																							
HAZOP Study																												
AGS System																												
HAZOP-Z2-030	HAZOP - Obtain Approval	7	24-Jul-23 A	31-Jul-23 A		HAZOP - Obtain Approval																						
TTS System																												
HAZOP-Z2-50	HAZOP - Obtain Approval	7	24-Jul-23 A	31-Jul-23 A		HAZOP - Obtain Approval																						
Biogas H2S Removal System																												
HAZOP-Z3-030	HAZOP - Obtain Approval	7	24-Jul-23 A	31-Jul-23 A		HAZOP - Obtain Approval																						
Sludge Thickening and Chemical System																												
HAZOP-Z3-50	HAZOP - Obtain Approval	7	24-Jul-23 A	31-Jul-23 A		HAZOP - Obtain Approval																						
Sludge Digestion System																												
HAZOP-Z3-80	HAZOP - Obtain Approval	7	24-Jul-23 A	31-Jul-23 A		HAZOP - Obtain Approval																						



- Remaining Level of Eff...
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

Contract DC/2019/10 - YLEPP - Main Works for Stage 1

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Date	Revision	Checked	Approved
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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	July 33				August 34				September 35				October 36				November 37
						02	09	16	23	30	06	13	20	27	03	10	17	24	01	08	15	22
DOU and PSW System																						
HAZOP-Z3-110	HAZOP - Obtain Approval	7	24-Jul-23 A	31-Jul-23 A																		
General Advance Works																						
NSWSPS Sensors																						
ATALGA-1170	Procurement & Delivery of Sensor	101	22-Dec-22 A	09-Oct-23	3																	
ATALGA-1260	Installation of pressure sensors at NSWSPS and T&C	7	21-Jan-23 A	17-Oct-23	3																	
ATALGA-1320	NSWSPS Sensor - Recording, monitoring & data retrieval	180	18-Oct-23	14-Apr-24	3																	
Dissolved Air Flotation (DAF) Pilot Plant																						
ATALGA-1220	Post-commissioning	128	20-May-23 A	27-Nov-23	196																	
Aerobic Granular Sludge (AGS) Pilot Plant																						
ATALGA-1270	Post-commissioning	128	20-May-23 A	27-Nov-23	196																	
Zone 1 Construction																						
Inlet Works (IW)																						
IW Foundation & ELS Works																						
IW Basement																						
IW Excavation Works & ELS																						
IW Zone A/D - ELS																						
Z1-IW-6470	IW- Strutting: 3rd Layer concrete backing and preload (Zone A/D)	6	03-Jun-23 A	15-Jun-23 A																		
Z1-IW-5820	IW- Excavation: 4th Layer -1.625 ~ -2.675 (ZoneD) / -3.38mPD (Zone A) (3,105m3) (3-4 excavators @ 500m3/d)	7	16-Jun-23 A	07-Aug-23	-185																	
Z1-IW-5830	IW- Strutting: 4th Layer @-2.88mPD with preload (10 welders @ 23ton/d)	10	26-Aug-23	06-Sep-23	-189																	
Z1-IW-5840	IW- Excavation to Formation -3.38 ~-7.525mPD (4,001m3) (3-4 excavators @ 500m3/d)	5	07-Sep-23	12-Sep-23	-189																	
Modification of Zone A/D Strut																						
Z1-IW-6430	IW(A/D) - Design amendment subm. for modify S1&2 (prep=30d,ICE=14d,ICE RtC=14d,PM=14d,PM RtC=14d)	86	21-Mar-23 A	01-Sep-23	-132																	
Z1-IW-6440	IW(A/D) - Method statement subm. for modify S1&2 (prep=30d,1st RtC=14d)	44	01-Aug-23	20-Sep-23	-136																	
Z1-IW-6400	IW- Strutting: Modify S1 and S2 strut and preload	26	23-Sep-23	26-Oct-23	-138																	
Z1-IW-6410	IW- Strutting: Remove backprop at PST	15	27-Oct-23	13-Nov-23	-138																	
IW Zone C - ELS																						
Z1-IW-5700	IW- Backprop installation (10 welders @ 23ton/d)	12	23-Jun-23 A	12-Jul-23 A																		
Z1-IW-6420	IW- Concrete Backing & Preload (3rd Layer)	4	13-Jul-23 A	14-Jul-23 A																		
Z1-IW-5710	IW- Excavation to Formation -1.625~-3.125mPD (587m3) (2 excavators @ 120m3/d)	6	17-Jul-23 A	04-Aug-23	-189																	
IW Base Slab																						
Z1-IW-6060	IW- Zone D - Pile Cap @-3.225mPD	24	15-Jul-23 A	21-Aug-23	-185																	
Z1-IW-6080	IW- Zone C - Pile Cap @-3.05mPD	18	05-Aug-23	25-Aug-23	-189																	
Z1-IW-6090	IW- Zone A - Pile Cap @-7.525mPD, -6.525mPD, -5.525mPD	24	13-Sep-23	12-Oct-23	-189																	
Z1-IW-6100	IW- Zone A/D - Pile Cap @-1.65/-1.55mPD (1st pour) and modify strut S4	16	11-Oct-23	30-Oct-23	-189																	
Z1-IW-6350	IW- Zone A/D - Pile Cap @-1.65/-1.55mPD (2nd pour) and remove part strut S4	14	28-Oct-23	13-Nov-23	-189																	
IW Basement RC Works																						
IW Zone C																						
Z1-IW-6290	IW(C) - Zone C1 - Wall & Column Erection of Formworks and RC Works (+6.00 mPD) strut cast-in	24	10-Jul-23 A	15-Aug-23	-157																	
Z1-IW-6330	IW(C) - Zone C1 - G/F Slab of Falseworks, Formworks and RC Works (+6.00 mPD)	26	16-Aug-23	14-Sep-23	-157																	
Z1-IW-6590	IW(C) - Zone C2 - Wall & Column Erection of Formworks and RC Works (+6.00 mPD) strut cast-in	18	26-Aug-23	15-Sep-23	-154																	
Z1-IW-6600	IW(C) - Zone C2 - G/F Slab of Falseworks, Formworks and RC Works (+6.00 mPD)	20	16-Sep-23	11-Oct-23	-154																	
IW Zone D early for PST early commissioning *																						
Z1-IW-6450	IW(D) - Wall Erection of Formworks and RC Works (-1.6 to +4.95mPD)	14	22-Aug-23	06-Sep-23	-138																	
Z1-IW-6460	IW(D) - G/F Slab of Falseworks, Formworks and RC Works (+3.95/+4.95 mPD)	14	07-Sep-23	22-Sep-23	-138																	
IW Civil and Structural Works																						
IW Superstructure																						
RC Works																						
Zone C																						
Z1-IW-4140	IWS - Wall Erection of Formworks and RC Works (+7.48/+8.2mPD)	10	15-Sep-23	26-Sep-23	-157																	
Z1-IW-4150	IWS - Intermediate Slab of Falseworks, Formworks and RC Works(+7.48/+8.2mPD)	14	27-Sep-23	14-Oct-23	-157																	
Z1-IW-4170	IWS - Wall Erection of Formworks and RC Works (+11.8mPD)	10	16-Oct-23	27-Oct-23	-157																	
Z1-IW-4180	IWS - 1/F Slab of Falseworks, Formworks and RC Works (+11.8/+12.8mPD)	14	28-Oct-23	13-Nov-23	-157																	
Zone D																						
Z1-IW-6480	IWS - Wall Erection of Formworks and RC Works (+6.00mPD)	6	23-Sep-23	29-Sep-23	-85																	
Z1-IW-6520	IWS - Wall Erection of Formworks and RC Works (+7.84/+8.2mPD)	9	03-Oct-23	12-Oct-23	-85																	
Z1-IW-6490	IWS - Intermediate Slab of Falseworks, Formworks and RC Works(+7.84/+8.2mPD)	14	13-Oct-23	30-Oct-23	-85																	
IW Transformer House No. 1																						
IW-2930	TX House No. 1 - ELS Works and trim sheetpile	5	12-Oct-23	17-Oct-23	-121																	
IW-2790	TX House No. 1 - Structure Base slab at +3.8 mPD to +4.8 mPD (incl. earth mat installation)	21	19-Oct-23	13-Nov-23	-121																	



- Remaining Level of Effort
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Contract DC/2019/10 - YLEPP - Main Works for Stage 1

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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	July 33					August 34					September 35				October 36				November 37
						02	09	16	23	30	06	13	20	27	03	10	17	24	01	08	15	22	29	05
PST Superstructure																								
Stage 1																								
RC Works																								
PST Stage 1 - GLA-E (PST channel and outlet channel)																								
Z1-PST-3750	PST - RC Works for wall/column (GLA-E, +11.75 to +18.15mPD)	12	14-Jun-23 A	01-Aug-23	-110	PST - RC Works for wall/column (GLA-E, +11.75 to +18.15mPD)																		
Z1-PST-3760	PST - RC Works for roof slab (GLA-E, +11.75 to +18.15mPD) falsework sit on +11.8mPD	17	03-Jul-23 A	01-Aug-23	-110	PST - RC Works for roof slab (GLA-E, +11.75 to +18.15mPD) falsework sit on +11.8mPD																		
PST Stage 1 - GL E-H (PST channel)																								
Z1-PST-4612	PST - RC Works for wall/column (GL E-H, +11.75 to +18.15mPD)	12	26-May-23 A	01-Aug-23	-110	PST - RC Works for wall/column (GL E-H, +11.75 to +18.15mPD)																		
Z1-PST-4602	PST - RC Works for roof slab (GL E-H, +11.75 to +18.15mPD)	17	20-Jun-23 A	01-Aug-23	-110	PST - RC Works for roof slab (GL E-H, +11.75 to +18.15mPD)																		
Water Tightness Test for PST																								
Z1-PST-4732	PST - Concrete develop strength	7	13-Jun-23 A	21-Jun-23 A		concrete develop strength																		
Z1-PST-4742	PST - Strike formwork and make good for water tightness test (PST1)	7	22-Jun-23 A	29-Jun-23 A		PST - Strike formwork and make good for water tightness test (PST1)																		
Z1-PST-3770	PST - Water Tightness Test 1 (PST1)(water height=5.5m, bulkhead=2d, fill=12d, absorption=7d, test=7d, remove=3d)	31	30-Jun-23 A	18-Aug-23	-124	PST - Water Tightness Test 1 (PST1)(water height=5.5m, bulkhead=2d, fill=12d, absorption=7d, test=7d, remove=3d)																		
Z1-PST-4822	PST - Strike formwork and make good for water tightness test (PST2&3)	14	30-Jun-23 A	27-Jul-23 A		PST - Strike formwork and make good for water tightness test (PST2&3)																		
Z1-PST-3780	PST - Water Tightness Test 2 (PST3)(water height=5.5m, bulkhead=2d, fill=4d, absorption=7d, test=7d, remove=3d)	23	28-Jul-23 A	30-Aug-23	-124	PST - Water Tightness Test 2 (PST3)(water height=5.5m, bulkhead=2d, fill=4d, absorption=7d, test=7d, remove=3d)																		
Z1-PST-4802	PST - Water Tightness Test 3 (PST2)(water height=5.5m, bulkhead=2d, fill=4d, absorption=7d, test=7d, remove=3d)	23	28-Aug-23	22-Sep-23	-124	PST - Water Tightness Test 3 (PST2)(water height=5.5m, bulkhead=2d, fill=4d, absorption=7d, test=7d, remove=3d)																		
Z1-PST-4812	PST - Water Tightness Test 4 (outlet)(water height=5.5m, bulkhead=2d, fill=3d, absorption=7d, test=7d, remove=2d)	21	19-Sep-23	14-Oct-23	-110	PST - Water Tightness Test 4 (outlet)(water height=5.5m, bulkhead=2d, fill=3d, absorption=7d, test=7d, remove=2d)																		
PST ABWF, E&M & T&C																								
PST Stage 1																								
PST Stage 1 - ABWF Works																								
PST1-3, Outlet channel																								
PST-3275	PST Stage 1 - Remove scaffold and surface preparation at PST1	6	19-Aug-23	25-Aug-23	-104	PST Stage 1 - Remove scaffold and surface preparation at PST1																		
PST-3115	PST Stage 1 - Screeding at PST1 (clearance&set-out=1d, screed(2 pours)=2d, joint=1d)	4	26-Aug-23	30-Aug-23	-104	PST Stage 1 - Screeding at PST1 (clearance&set-out=1d, screed(2 pours)=2d, joint=1d)																		
PST-3295	PST Stage 1 - Remove scaffold and surface preparation at PST3	6	31-Aug-23	06-Sep-23	-88	PST Stage 1 - Remove scaffold and surface preparation at PST3																		
PST-3305	PST Stage 1 - Screeding at PST3 (clearance&set-out=1d, screed(2 pours)=2d, joint=1d)	4	07-Sep-23	11-Sep-23	-88	PST Stage 1 - Screeding at PST3 (clearance&set-out=1d, screed(2 pours)=2d, joint=1d)																		
PST-3095	PST Stage 1 - Lining at PST 1 (install=3d, testing=1d, clearance=1d)	5	23-Sep-23	28-Sep-23	-124	PST Stage 1 - Lining at PST 1 (install=3d, testing=1d, clearance=1d)																		
PST-3285	PST Stage 1 - Remove scaffold and surface preparation at PST2	6	23-Sep-23	29-Sep-23	-103	PST Stage 1 - Remove scaffold and surface preparation at PST2																		
PST-3315	PST Stage 1 - Lining at PST 3 (install=3d, testing=1d, clearance=1d)	5	29-Sep-23	06-Oct-23	-103	PST Stage 1 - Lining at PST,3 (install=3d, testing=1d, clearance=1d)																		
PST-3125	PST Stage 1 - Screeding at PST 2 (clearance&set-out=1d, screed(2 pours)=2d, joint=1d)	4	03-Oct-23	06-Oct-23	-103	PST Stage 1 - Screeding at PST 2 (clearance&set-out=1d, screed(2 pours)=2d, joint=1d)																		
PST-3105	PST Stage 1 - Lining at PST 2 and outlet channel (install=3d, testing=1d, clearance=1d)	5	16-Oct-23	20-Oct-23	-110	PST Stage 1 - Lining at PST 2 and outlet channel (install=3d, testing=1d, clearance=1d)																		
GLA-H above +11.8mPD																								
PST-3265	PST Stage 1 - Concrete gain strength	7	02-Aug-23	09-Aug-23	-110	PST Stage 1 - Concrete gain strength																		
PST-1370	PST Stage 1 - Strike formwork and falswork	3	10-Aug-23	12-Aug-23	-110	PST Stage 1 - Strike formwork and falswork																		
PST-3135	PST Stage 1 - ABWF Works (wall render:spray=1d, let-dry=5d) at +11.8/+18.15mPD	6	14-Aug-23	19-Aug-23	-110	PST Stage 1 - ABWF Works (wall render:spray=1d, let-dry=5d) at +11.8/+18.15mPD																		
PST-3165	PST Stage 1 - ABWF Works (wall plaster:3coats) at +11.8/+18.15mPD	2	21-Aug-23	22-Aug-23	-110	PST Stage 1 - ABWF Works (wall plaster:3coats) at +11.8/+18.15mPD																		
PST-3175	PST Stage 1 - ABWF Works (floor screeding) at +11.8/+18.15mPD	3	23-Aug-23	25-Aug-23	-110	PST Stage 1 - ABWF Works (floor screeding) at +11.8/+18.15mPD																		
PST-3185	PST Stage 1 - ABWF Works (floor coating:3coats) at +11.8/+18.15mPD	3	26-Aug-23	29-Aug-23	-110	PST Stage 1 - ABWF Works (floor coating:3coats) at +11.8/+18.15mPD																		
PST Stage 1 - E&M Installation Works																								
Phase 1 (GLA-H, PST 1-3, Outlet Channel)																								
ATALPST-010	PST Stage 1 - E&M Handover @ +18.3mPD (GLA-H)	0	30-Aug-23		-110	PST Stage 1 - E&M Handover @ +18.3mPD (GLA-H)																		
ATALPST-000	PST Stage 1 - E&M Handover @ +11.8mPD (PST1)	0	29-Sep-23		-124	PST Stage 1 - E&M Handover @ +11.8mPD (PST1)																		
ATALPST-654	PST Stage 1 - E&M Handover @ +11.8mPD (PST2, 3 & outlet)	0	21-Oct-23		-110	PST Stage 1 - E&M Handover @ +11.8mPD (PST2, 3 & outlet)																		
PST Stage 1 - E&M Installation Works at Setting Zone (PST 1-3)																								
ATALPST-65	PST Stage 1 - Preparation Works (clearance, survey and setting out)	15	29-Sep-23	18-Oct-23	-108	PST Stage 1 - Preparation Works (clearance, survey and setting out)																		
PST 1-3 - LALG																								
ATALPST-5	PST Stage 1 - LALG-PST1	43	30-Aug-23	20-Oct-23	-110	PST Stage 1 - LALG-PST1																		
ATALPST-5	PST Stage 1 - LALG-PST2	43	30-Aug-23	20-Oct-23	-110	PST Stage 1 - LALG-PST2																		
ATALPST-5	PST Stage 1 - LALG-PST3	43	30-Aug-23	20-Oct-23	-110	PST Stage 1 - LALG-PST3																		
PST 1-3 - Inclined Plate Settling System																								
ATALPST-5	PST Stage 1 - Installation of Lamella support beam and frame & inspection	17	21-Oct-23	10-Nov-23	-110	PST Stage 1 - Installation of Lamella support beam and frame & inspection																		
PST Stage 1 - Outlet Channel																								
ATALPST-55	PST Stage 1 - Unloading of Stoplogs&Penstocks x 23 Nos	7	29-Sep-23	09-Oct-23	-122	PST Stage 1 - Unloading of Stoplogs&Penstocks x 23 Nos																		
ATALPST-55	PST Stage 1 - Installation of Penstocks x 3 Nos	41	10-Oct-23	27-Nov-23	-85	PST Stage 1 - Installation of Penstocks x 3 Nos																		
ATALPST-55	PST Stage 1 - Installation of Stoplogs x 20 Nos.	93	10-Oct-23	30-Jan-24	-121	PST Stage 1 - Installation of Stoplogs x 20 Nos.																		
External Pipeworks for Temp Pumping System																								
Z2D-2170	Temporary Routing Between New PST and Existing Aeration Tank	90	31-Aug-23	16-Dec-23	27	Temporary Routing Between New PST and Existing Aeration Tank																		
Z2D-2180	Alternate Route to Switch Back to existing PST 1-3 (contingency for PST1-3 not fully operated)	90	31-Aug-23	16-Dec-23	27	Alternate Route to Switch Back to existing PST 1-3 (contingency for PST1-3 not fully operated)																		
Z2D-4340	Temporary Sludge & Scum Pipe from New PST Pump Room to Existing Consolidation Tank / New STB via Locatit	90	31-Aug-23	16-Dec-23	27	Temporary Sludge & Scum Pipe from New PST Pump Room to Existing Consolidation Tank / New STB via Locatit																		
Z2D-4330	Temporary Pumping from Detritors to New PST while IW is still in progress	150	29-Sep-23	05-Apr-24	-59	Temporary Pumping from Detritors to New PST while IW is still in progress																		
CLP Substations No. 1 & 2																								
Civil Provision for CLP (drawpits & ductings)																								
CLP-1270	Ducting and Drawpits construction	30	13-Dec-22 A	05-Aug-23	-59	Ducting and Drawpits construction																		



- Remaining Level of Eff...
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	July 33					August 34					September 35				October 36				November 37
						02	09	16	23	30	06	13	20	27	03	10	17	24	01	08	15	22	29	05
CLP Substation No. 1																								
CLP-1560	CLP Substation No.1 - ABWF Works for CLP handover (not required for Section 1 completion)	38	13-Feb-23 A	22-Aug-23	-85	CLP Substation No.1 - ABWF Works for CLP handover (not required for Section 1 completion)																		
CLP-1440	CLP Substation No.1 - Waterproofing and Testing	13	29-Jun-23 A	26-Jul-23 A		CLP Substation No.1 - Waterproofing and Testing																		
CLP Substation No. 2																								
CLP-1550	CLP Substation No.2 - ABWF Works for CLP handover (not required for Section 1 completion)	35	13-Feb-23 A	22-Aug-23	-85	CLP Substation No.2 - ABWF Works for CLP handover (not required for Section 1 completion)																		
CLP-1450	CLP Substation No.2 - Waterproofing and Testing	13	29-Jun-23 A	26-Jul-23 A		CLP Substation No.2 - Waterproofing and Testing																		
CLP Substation No. 1 & 2 Handover Inspection and Installation																								
CLP-1630	CLP Substation 1 & 2 - CLP pre-inspection	1	23-Aug-23	23-Aug-23	-85	CLP Substation 1 & 2 - CLP pre-inspection																		
CLP-1500	CLP Substation No.1 & 2 - Defect works	10	24-Aug-23	04-Sep-23	-85	CLP Substation No.1 & 2 - Defect works																		
CLP-1510	CLP Substation No.1 & 2 - CLP final inspection and handover	1	05-Sep-23	05-Sep-23	-85	CLP Substation No.1 & 2 - CLP final inspection and handover																		
CLP-1070	CLP Substation No.1 - CLP Installation	90	06-Sep-23	22-Dec-23	-85	CLP Substation No.1 - CLP Installation																		
CLP-1080	CLP Substation No.2 - CLP Installation	90	06-Sep-23	22-Dec-23	-85	CLP Substation No.2 - CLP Installation																		
DSD 11kV Switchgear																								
CLP-1060	DSD11kV Switchgear - internal ABWF Works	36	25-Feb-23 A	22-Aug-23	-14	DSD11kV Switchgear - internal ABWF Works																		
CLP-1110	DSD11kV Switchgear - E&M and BS Installation	51	06-Sep-23	07-Nov-23	-26	DSD11kV Switchgear - E&M and BS Installation																		
CLP Substation No. 1 & 2 & DSD 11kV Switchgear - GRC Cladding																								
CLP-1610	CLP Substation No.1 & 2 & DSD11kV Switchgear - GRC cladding - mock-up installation	14	01-Jun-23 A	15-Aug-23	890	CLP Substation No.1 & 2 & DSD11kV Switchgear - GRC cladding - mock-up installation																		
CLP-1620	CLP Substation No.1 & 2 & DSD11kV Switchgear - GRC cladding - mock-up inspection and approval	1	16-Aug-23	16-Aug-23	890	CLP Substation No.1 & 2 & DSD11kV Switchgear - GRC cladding - mock-up inspection and approval																		
CLP-1590	CLP Substation No.1 & 2 & DSD11kV Switchgear - GRC cladding - fabrication	60	17-Aug-23	28-Oct-23	890	CLP Substation No.1 & 2 & DSD11kV Switchgear - GRC cladding - fabrication																		
CLP-1600	CLP Substation No.1 & 2 & DSD11kV Switchgear - GRC cladding - installation	75	29-Aug-23	27-Nov-23	890	CLP Substation No.1 & 2 & DSD11kV Switchgear - GRC cladding - installation																		
Sludge Dewatering Building (SDB)																								
SDB Foundation & ELS - Stage 1																								
SDB Preliminaries for Foundation Works																								
Submission and Advanced Works for Early Piling																								
SDB-1750	Prepare/submit/review/approve scheme with PM for early access for piling - resubmission	7	03-Jul-23 A	17-Jul-23 A		Prepare/submit/review/approve scheme with PM for early access for piling - resubmission																		
SDB-1760	Prepare/submit/review/approve scheme with DSD/ST1 for early access for piling - 1st submission	12	10-Jul-23 A	24-Jul-23 A		Prepare/submit/review/approve scheme with DSD/ST1 for early access for piling - 1st submission																		
SDB-1720	Prepare/submit/review/approve method statement of UU & road diversion for early access for piling - 1st submission	12	17-Jul-23 A	31-Jul-23 A		Prepare/submit/review/approve method statement of UU & road diversion for early access for piling - 1st submission																		
SDB-1770	Prepare/submit/review/approve scheme with DSD/ST1 for early access for piling - resubmission	7	24-Jul-23 A	31-Jul-23 A		Prepare/submit/review/approve scheme with DSD/ST1 for early access for piling - resubmission																		
SDB-1730	UU & road diversion for early access for piling	29	25-Jul-23 A	29-Aug-23	-83	UU & road diversion for early access for piling																		
SDB-1780	Prepare/submit/review/approve method statement of UU & road diversion for early access for piling - resubmission	7	01-Aug-23	08-Aug-23	-83	Prepare/submit/review/approve method statement of UU & road diversion for early access for piling - resubmission																		
SDB GI - Pre-drilling Works																								
SDB At PST4 and Existing Road																								
SDB-1250	SDB-PD6	12	12-Jun-23 A	23-Jun-23 A		SDB-PD6																		
SDB-1230	SDB-PD1	12	24-Jun-23 A	05-Jul-23 A		SDB-PD1																		
SDB-1010	SDB-PD10	12	06-Jul-23 A	21-Jul-23 A		SDB-PD10																		
SDB-1040	SDB-PD20	12	24-Jul-23 A	03-Aug-23	206	SDB-PD20																		
SDB-1350	SDB-PD4 w/ obstruction (PST4)	12	01-Aug-23	14-Aug-23	185	SDB-PD4 w/ obstruction (PST4)																		
SDB-1030	SDB-PD22	12	04-Aug-23	17-Aug-23	268	SDB-PD22																		
SDB-1360	SDB-PD5 w/ obstruction (PST4)	12	15-Aug-23	28-Aug-23	185	SDB-PD5 w/ obstruction (PST4)																		
SDB-1290	SDB-PD7	12	18-Aug-23	31-Aug-23	268	SDB-PD7																		
SDB Foundation - PST 1-4 Footprint																								
SDB-1700	SDB - Driven H-piles (20 nos., 1,162m @48m/d/rig, 1rig) early start along access road	26	06-Sep-23	07-Oct-23	144	SDB - Driven H-piles (20 nos., 1,162m @48m/d/rig, 1rig) early start along access road																		
Administration Building (ADB)																								
ADB Demolition																								
ADB-1080	Demolition of Central Control Room (14) - superstructure	35	01-Aug-23	09-Sep-23	260	Demolition of Central Control Room (14) - superstructure																		
ADB Foundation Works																								
ADB Early Access for Pre-drilling																								
ADB-1390	ADB - Pre-drill (1no., 4days/no./rig, 1rig) (AB-PD1) (within CCR footprint)	4	11-Sep-23	14-Sep-23	260	ADB - Pre-drill (1no., 4days/no./rig, 1rig) (AB-PD1) (within CCR footprint)																		
ADB-1360	ADB - Pre-drill (3nos., 4days/no./rig, 1rig) (AB-PD3, PD8, PD11) (outside existing building footprint)	12	15-Sep-23	28-Sep-23	260	ADB - Pre-drill (3nos., 4days/no./rig, 1rig) (AB-PD3, PD8, PD11) (outside existing building footprint)																		
External Works																								
Water Meter Cabinet																								
Water Meter Cabinet - Structure																								
CLP-1130	Master Meter Cabinet - Structure	30	17-Oct-23	21-Nov-23	9	Master Meter Cabinet - Structure																		
Zone 2 Construction																								
Demolition Works																								
Other Existing Pumping Stations																								
Z2T-230	Expose/slew/protect existing power cable at Return Activated Sludge Screw Pumps PS (16) & Chamber (33)	12	01-Jun-23 A	14-Jun-23 A		Expose/slew/protect existing power cable at Return Activated Sludge Screw Pumps PS (16) & Chamber (33)																		
Z2T-210	Demolition of Flow Measurement Chamber (34) & SSD Chamber (32) substructure	7	03-Jun-23 A	30-Jun-23 A		Demolition of Flow Measurement Chamber (34) & SSD Chamber (32) substructure																		
Auxiliary Pumping Stations																								
Z2T-150B20	Demolition of Auxiliary Pumping Station (19) below ground	30	26-Oct-23	29-Nov-23	-153	Demolition of Auxiliary Pumping Station (19) below ground																		
Final Sedimentation Tanks																								



- Remaining Level of Effort
- Actual Work
- Remaining Work
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- ◆ Milestone

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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	July 33				August 34				September 35				October 36			November 37				
						02	09	16	23	30	06	13	20	27	03	10	17	24	01	08	15	22	29	05	
						Demolition of Mixed Liquor Distribution and Sludge Draw-off Chamber (37)																			
Z2T-200	Demolition of Mixed Liquor Distribution and Sludge Draw-off Chamber (37)	20	10-Jun-23 A	24-Jul-23 A		Demolition of Mixed Liquor Distribution and Sludge Draw-off Chamber (37)																			
Mainstream Bio-Reactor & Auxiliary Facility (MBR and AF)																									
MBR and AF Structure																									
MBR - ELS Excavation & Demolition stage 1																									
Pipe Pile																									
Northern Side																									
UU Diversion																									
Temporary Diversion of 1800dia. Outfall Pipe																									
MBRAF-300	1800dia. outfall pipe diversion - backfill and demolish existing 1800dia. pipe	6	31-May-23 A	08-Jun-23 A		diversion - backfill and demolish existing 1800dia. pipe																			
Installation of 813mm casing																									
MBRAF-3010	813 Casing Installation (North) - Re-mobilization (after 1800dia. outfall pipe diversion)	6	15-Jun-23 A	06-Jul-23 A		813 Casing Installation (North) - Re-mobilization (after 1800dia. outfall pipe diversion)																			
MBRAF-2410	813 Casing Installation (North)(P416-P438, 23nos.@ 1no./day/rig, 1 rig) (after 1800dia. outfall pipe diversion)	23	07-Jul-23 A	02-Aug-23	-162	813 Casing Installation (North)(P416-P438, 23nos.@ 1no./day/rig, 1 rig) (after 1800dia. outfall pipe diversion)																			
MBRAF-2100	Closing of 813mm pipe pile (South, East and North Sides) (10nos.)	30	01-Aug-23	04-Sep-23	-163	Closing of 813mm pipe pile (South, East and North Sides) (10nos.)																			
Western Side																									
Installation of 813mm casing																									
MBRAF-2290	813 Casing Installation (West)(P315-P339, 25nos@1.2nos./day/rig, 1rig) after CLP11kV diversion	21	03-Aug-23	26-Aug-23	-162	813 Casing Installation (West)(P315-P339, 25nos@1.2nos./day/rig, 1rig) after CLP11kV diversion																			
MBRAF-2280	Closing of 813mm pipe pile (West) (4nos.)	12	21-Aug-23	02-Sep-23	-162	Closing of 813mm pipe pile (West) (4nos.)																			
MBR - ELS Excavation & Demolition stage 2																									
MBR - ELS Zone A																									
Kingpost and Working Platform																									
MBRAF-2470	MBR - Installation of king post by preboring (IKP12 to 22) (11nos., 3d/pile, 1rig) (affected by A-tank) for steel deck	33	23-May-23 A	09-Aug-23	-172	MBR - Installation of king post by preboring (IKP12 to 22) (11nos., 3d/pile, 1rig) (affected by A-tank) for steel deck																			
MBRAF-2970	MBR - Installation of king post by preboring (KP25) (1no., 2d/pile, 1rig)(affected by 1800dia diversion) for ELS	2	10-Aug-23	11-Aug-23	-160	MBR - Installation of king post by preboring (KP25) (1no., 2d/pile, 1rig)(affected by 1800dia diversion) for ELS																			
MBRAF-2990	MBR - Kingpost for steel deck - loading test	14	10-Aug-23	25-Aug-23	-172	MBR - Kingpost for steel deck - loading test																			
Excavation and Demolition																									
MBRAF-1610	MBR - Zone A - ELS Excavation (+5.8 to +4.2mPD) (5520m3) (3 excavators/WF, 2WFs, 400m3/d/WF)	7	26-Aug-23	02-Sep-23	-172	MBR - Zone A - ELS Excavation (+5.8 to +4.2mPD) (5520m3) (3 excavators/WF, 2WFs, 400m3/d/WF)																			
MBRAF-1460	MBR - Zone A - Monitoring and pumping installation (Stage 1a) (20nos., 1.5nos./d/rig, 2rigs)	7	28-Aug-23	04-Sep-23	-163	MBR - Zone A - Monitoring and pumping installation (Stage 1a) (20nos., 1.5nos./d/rig, 2rigs)																			
MBRAF-1620	MBR - Zone A - Strut Installation S1 (+5.25mPD)(1 crane, 10welders, 24ton/d)	12	04-Sep-23	16-Sep-23	-172	MBR - Zone A - Strut Installation S1 (+5.25mPD)(1 crane, 10welders, 24ton/d)																			
MBRAF-2430	MBR - Zone A - Pumping test (Stage 1a) dewater to below A-tank	7	09-Sep-23	16-Sep-23	-167	MBR - Zone A - Pumping test (Stage 1a) dewater to below A-tank																			
MBRAF-1630	MBR - Zone A - ELS Excavation & Demolition (+4.2 to +1.75mPD) (8453m3) (3 excavators/WF, 2WFs, 400m3/d)	13	18-Sep-23	04-Oct-23	-167	MBR - Zone A - ELS Excavation & Demolition (+4.2 to +1.75mPD) (8453m3) (3 excavators/WF, 2WFs, 400m3/d)																			
MBRAF-2490	MBR - Zone A - Installation of steel deck	18	18-Sep-23	10-Oct-23	-172	MBR - Zone A - Installation of steel deck																			
MBRAF-3270	MBR - ELS Form berm (+1.75 to +0.5mPD) for demolition A-tank structure (2000m3) (3-4 excavators, 400m3/d)	6	05-Oct-23	11-Oct-23	-161	MBR - ELS Form berm (+1.75 to +0.5mPD) for demolition A-tank structure (2000m3) (3-4 excavators, 400m3/d)																			
MBRAF-1640	MBR - Zone A - Strut Installation S2 (+2.3mPD)(1 crane, 10welders, 24ton/d)	12	11-Oct-23	25-Oct-23	-172	MBR - Zone A - Strut Installation S2 (+2.3mPD)(1 crane, 10welders, 24ton/d)																			
MBRAF-3280	MBR - Zone A - ELS Excavate berm & demolish remaining A-tank structure (3-4 excavators, 400m3/d) silent meth	30	26-Oct-23	29-Nov-23	-172	MBR - Zone A - ELS Excavate berm & demolish remaining A-tank structure (3-4 excavators, 400m3/d) silent meth																			
MBR - ELS Zone B																									
Kingpost and Working Platform																									
MBRAF-3340	MBR - Installation of king post by preboring (KP15,16,17,19,20,21,22,29) (8nos., 2d/pile, 1rig) for ELS	16	31-May-23 A	15-Aug-23	-164	MBR - Installation of king post by preboring (KP15,16,17,19,20,21,22,29) (8nos., 2d/pile, 1rig) for ELS																			
MBRAF-3350	MBR - Installation of king post by preboring (IKP23-26) (4nos., 2d/pile, 1rig) for steel deck	8	21-Jul-23 A	09-Aug-23	-167	MBR - Installation of king post by preboring (IKP23-26) (4nos., 2d/pile, 1rig) for steel deck																			
Excavation																									
MBRAF-3020	MBR - Zone B - ELS Excavation (+5.8 to +4.7mPD) (2560m3) (3-4 excavators, 400m3/d)	7	19-Aug-23	26-Aug-23	-167	MBR - Zone B - ELS Excavation (+5.8 to +4.7mPD) (2560m3) (3-4 excavators, 400m3/d)																			
MBRAF-3370	MBR - Zone B - Monitoring and pumping installation (Stage 1b) (16nos., 1.5nos./d/rig, 1rig)	11	28-Aug-23	08-Sep-23	-167	MBR - Zone B - Monitoring and pumping installation (Stage 1b) (16nos., 1.5nos./d/rig, 1rig)																			
MBRAF-3030	MBR - Zone B - Strut Installation S1 (+5.25mPD)(1 crane, 10welders, 24ton/d)	12	09-Sep-23	22-Sep-23	-131	MBR - Zone B - Strut Installation S1 (+5.25mPD)(1 crane, 10welders, 24ton/d)																			
MBRAF-3040	MBR - Zone B - ELS Excavation (+4.7 to +1.75mPD) (3920m3) (3-4 excavators, 400m3/d)	10	23-Sep-23	06-Oct-23	-123	MBR - Zone B - ELS Excavation (+4.7 to +1.75mPD) (3920m3) (3-4 excavators, 400m3/d)																			
MBRAF-3390	MBR - Zone B - Installation of steel deck	18	23-Sep-23	16-Oct-23	-131	MBR - Zone B - Installation of steel deck																			
MBRAF-3050	MBR - Zone B - Strut Installation S2 (+2.3mPD)(1 crane, 10welders, 24ton/d)	12	17-Oct-23	31-Oct-23	-131	MBR - Zone B - Strut Installation S2 (+2.3mPD)(1 crane, 10welders, 24ton/d)																			
MBR - ELS Zone C																									
Kingpost and Working Platform																									
MBRAF-2950	MBR - Installation of king post by preboring (KP10,14,11,27,28)(5nos., 2d/pile, 1rig)(affected by existing RAS) for ELS	10	18-Jul-23 A	25-Aug-23	1262	MBR - Installation of king post by preboring (KP10,14,11,27,28)(5nos., 2d/pile, 1rig)(affected by existing RAS) for ELS																			
MBRAF-2480	MBR - Installation of king post by preboring (IKP1-11) (11nos., 2d/pile, 1rig)(affected by existing RAS) for steel deck	22	24-Jul-23 A	25-Aug-23	-166	MBR - Installation of king post by preboring (IKP1-11) (11nos., 2d/pile, 1rig)(affected by existing RAS) for steel deck																			
MBRAF-2960	MBR - Installation of king post by preboring (KP23,24,28)(3nos., 2d/pile, 1rig) for ELS	6	12-Aug-23	18-Aug-23	1262	MBR - Installation of king post by preboring (KP23,24,28)(3nos., 2d/pile, 1rig) for ELS																			
Excavation																									
MBRAF-3380	MBR - Zone C - Monitoring and pumping installation (Stage 1c) (31nos., 1.5nos./d/rig, 2rigs)	11	26-Aug-23	07-Sep-23	-166	MBR - Zone C - Monitoring and pumping installation (Stage 1c) (31nos., 1.5nos./d/rig, 2rigs)																			
MBRAF-3130	MBR - Zone C - ELS Excavation & Demolition (+5.8 to +4.7mPD) (3840m3)(3-4 excavators, 400m3/d)	10	04-Sep-23	14-Sep-23	-140	MBR - Zone C - ELS Excavation & Demolition (+5.8 to +4.7mPD) (3840m3)(3-4 excavators, 400m3/d)																			
MBRAF-2900	MBR - Mobilization of sheetpile	2	15-Sep-23	16-Sep-23	-140	MBR - Mobilization of sheetpile																			
MBRAF-3140	MBR - Zone C - Strut Installation S1 (+5.25mPD)(1 crane, 10welders, 24ton/d)	6	15-Sep-23	21-Sep-23	-140	MBR - Zone C - Strut Installation S1 (+5.25mPD)(1 crane, 10welders, 24ton/d)																			
MBRAF-2890	MBR - Sheet pile install (809m, 60m/d/rig, 1rig) early constructed sheetpile due to strut obstruction	14	18-Sep-23	05-Oct-23	-140	MBR - Sheet pile install (809m, 60m/d/rig, 1rig) early constructed sheetpile due to strut obstruction																			
MBRAF-2500	MBR - Zone C - Installation of steel deck	18	22-Sep-23	14-Oct-23	-127	MBR - Zone C - Installation of steel deck																			
MBRAF-3400	MBR - Zone C - Strut Installation S1 (+5.25mPD)(1 crane, 10welders, 24ton/d) remain. strut after early sheetpile	6	06-Oct-23	12-Oct-23	-140	MBR - Zone C - Strut Installation S1 (+5.25mPD)(1 crane, 10welders, 24ton/d) remain. strut after early sheetpile																			
MBRAF-3150	MBR - Zone C - ELS Excavation & Demolition(+4.7 to +1.75mPD) (5880m3) (3-4 excavators, 400m3/d)	15	13-Oct-23	31-Oct-23	-140	MBR - Zone C - ELS Excavation & Demolition(+4.7 to +1.75mPD) (5880m3) (3-4 excavators, 400m3/d)																			
Tertiary Treatment System (TTS)																									
TTS Foundation and ELS																									
Sheetpile																									
TTS-1860	TTS - Sheet Piles Install (1,418m2 @90m2/d) south portion after 1800dia outfall pipe diversion	24	09-Jun-23 A	15-Aug-23	-124	TTS - Sheet Piles Install (1,418m2 @90m2/d) south portion after 1800dia outfall pipe diversion																			



- Remaining Level of Eff.
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						02	09	16	23	30	06	13	20	27	03	10	17	24	01	08	15	22	29	05	
Kingpost and Working Platform																									
TTS-2010	TTS - Kingpost installation (preboring method) (6 nos., 2d/pile/rig, 1rig) for ELS (south portion)	12	14-Jun-23 A	05-Aug-23	-137	TTS - Kingpost installation (preboring method) (6 nos., 2d/pile/rig, 1rig) for ELS (south portion)																			
TTS-1870	TTS - Kingpost installation (preboring method) (28nos., 2d/pile/rig, 2rigs) for steel deck	28	04-Jul-23 A	31-Aug-23	-170	TTS - Kingpost installation (preboring method) (28nos., 2d/pile/rig, 2rigs) for steel deck																			
TTS-2020	TTS - Backfill for kingpost after demolition of Mixed Liquor Distribution and Sludge Draw-off Chamber (37)	4	25-Jul-23 A	28-Jul-23 A		TTS - Backfill for kingpost after demolition of Mixed Liquor Distribution and Sludge Draw-off Chamber (37)																			
TTS-1990	TTS - Kingpost installation for steel deck - loading test	14	24-Aug-23	08-Sep-23	-170	TTS - Kingpost installation for steel deck - loading test																			
TTS-1880	TTS - Installation of steel deck	24	09-Sep-23	09-Oct-23	-170	TTS - Installation of steel deck																			
Monitoring and Pumping																									
TTS-2000	TTS - Monitoring and pumping installation (29nos., 1.5nos./d/rig, 1rig) north portion	21	06-Jun-23 A	09-Aug-23	-140	TTS - Monitoring and pumping installation (29nos., 1.5nos./d/rig, 1rig) north portion																			
TTS-1230	TTS - Monitoring and pumping installation (29nos., 1.5nos./d/rig, 1rig) south portion	21	12-Jul-23 A	16-Aug-23	-140	TTS - Monitoring and pumping installation (29nos., 1.5nos./d/rig, 1rig) south portion																			
TTS-1850	TTS - Pumping test	7	17-Aug-23	23-Aug-23	-155	TTS - Pumping test																			
TTS Foundation and ELS Stage 2																									
TTS-1020	TTS - ELS Excavation (+5.0 to +3.65mPD) (2548m3)(3-4 excavators/WF, 1 WF, 400m3/d/WF) north	7	01-Sep-23	08-Sep-23	-160	TTS - ELS Excavation (+5.0 to +3.65mPD) (2548m3)(3-4 excavators/WF, 1 WF, 400m3/d/WF) north																			
TTS-2030	TTS - ELS Excavation (+5.0 to +3.65mPD) (2548m3)(3-4 excavators/WF, 1 WF, 400m3/d/WF) south	7	09-Sep-23	16-Sep-23	-160	TTS - ELS Excavation (+5.0 to +3.65mPD) (2548m3)(3-4 excavators/WF, 1 WF, 400m3/d/WF) south																			
TTS-1030	TTS - Strut Installation S1 (+4.15mPD)(2 cranes, 10welders per WF, 2 WFs, 30ton/d)	14	18-Sep-23	05-Oct-23	-160	TTS - Strut Installation S1 (+4.15mPD)(2 cranes, 10welders per WF, 2 WFs, 30ton/d)																			
TTS-2040	TTS - ELS Excavation (+5.0 to +3.65mPD) (2548m3)(3-4 excavators/WF, 1 WF, 400m3/d/WF) middle	7	10-Oct-23	17-Oct-23	-170	TTS - ELS Excavation (+5.0 to +3.65mPD) (2548m3)(3-4 excavators/WF, 1 WF, 400m3/d/WF) middle																			
TTS-1040	TTS - ELS Excavation (+3.65 to +1.15mPD) (14, 158m3)(3-4 excavators/WF, 2 WFs, 400m3/d/WF) *pond sedimer	16	18-Oct-23	06-Nov-23	-170	TTS - ELS Excavation (+3.65 to +1.15mPD) (14, 158m3)(3-4 excavators/WF, 2 WFs, 400m3/d/WF) *pond sedimer																			
Zone 3 Construction																									
Zone 3 North Portion (Z3N)																									
Demolition																									
Existing Sludge Thickening House (8, Air Flootation Thickener)																									
Z3S2-2030b	Demolish Existing Sludge Thickening House pump pit (8) (affect Zone P2B piling & sheetpile) by saw cut	11	12-Jul-23 A	08-Aug-23	-258	Demolish Existing Sludge Thickening House pump pit (8) (affect Zone P2B piling & sheetpile) by saw cut																			
Z3S2-2030d	Backfill & remove strut Existing Sludge Thickening House pump pit (8) (affect Zone P2B piling & sheetpile)	6	09-Aug-23	15-Aug-23	-258	Backfill & remove strut Existing Sludge Thickening House pump pit (8) (affect Zone P2B piling & sheetpile)																			
New Sludge Thickening Building (STB)																									
STB : Driven H-pile																									
Batch 2																									
Z3S3-3950	STB - Site Setup & Mobilization for driven h-pile (Batch 2)	6	16-Aug-23	22-Aug-23	-258	STB - Site Setup & Mobilization for driven h-pile (Batch 2)																			
Z3S3-3960	STB - Driven H-pile Zone P5 (remaining 6nos.) @40m/day, 1rig	8	23-Aug-23	31-Aug-23	-134	STB - Driven H-pile Zone P5 (remaining 6nos.) @40m/day, 1rig																			
Z3S3-3970	STB - Driven H-pile Zone P2B (remaining 4nos.) @40m/day, 1rig	7	01-Sep-23	08-Sep-23	-134	STB - Driven H-pile Zone P2B (remaining 4nos.) @40m/day, 1rig																			
Z3S3-5250	STB - Driven H-pile Zone P2B (3nos. additional piles (PMI204)) @40m/day, 1rig	4	09-Sep-23	13-Sep-23	-134	STB - Driven H-pile Zone P2B (3nos. additional piles (PMI204)) @40m/day, 1rig																			
Z3S3-3740	STB - Driven H-pile Plant Demobilization from Zone P5 and P2B	5	14-Sep-23	19-Sep-23	-162	STB - Driven H-pile Plant Demobilization from Zone P5 and P2B																			
Z3S3-5240	STB - Driven H-pile for tower crane (4nos., 1d/pile/rig, 1rig)	5	14-Sep-23	19-Sep-23	-146	STB - Driven H-pile for tower crane (4nos., 1d/pile/rig, 1rig)																			
Z3S3-5150	STB - Pile Load Test (Batch 2)	14	20-Sep-23	07-Oct-23	-160	STB - Pile Load Test (Batch 2)																			
STB : Foundation and ELS																									
STB : ELS																									
Sheetpile and Preboring																									
Z3S3-5140	STB - Sheetpile Installation by preboring (180holes, 1.5pile/day/rig, 2 rigs)	60	20-Feb-23 A	11-Aug-23	-258	STB - Sheetpile Installation by preboring (180holes, 1.5pile/day/rig, 2 rigs)																			
Z3S3-5710	STB - Sheetpile preboring plant demobilization for driven h-pile mobilization	3	12-Aug-23	15-Aug-23	-258	STB - Sheetpile preboring plant demobilization for driven h-pile mobilization																			
Z3S3-5720	STB - Sheetpile Installation (remaining at stage 4a & 4b) (1,446m2, 90m2/d/rig, 1rig)	8	23-Aug-23	31-Aug-23	-162	STB - Sheetpile Installation (remaining at stage 4a & 4b) (1,446m2, 90m2/d/rig, 1rig)																			
Z3S3-3800	STB - Sheetpile Installation (remaining after demolition) (604m2, 90m2/d/rig, 1rig)	8	20-Sep-23	28-Sep-23	-161	STB - Sheetpile Installation (remaining after demolition) (604m2, 90m2/d/rig, 1rig)																			
Monitoring and Pumping																									
Z3S3-3340	STB - Monitoring and pumping installation at south (10nos., 1.5nos./d/rig, 1rig)	7	01-Sep-23	08-Sep-23	-162	STB - Monitoring and pumping installation at south (10nos., 1.5nos./d/rig, 1rig)																			
Z3S3-5260	STB - Monitoring and pumping installation at east (14nos., 1.5nos./d/rig, 1rig)	9	09-Sep-23	19-Sep-23	-162	STB - Monitoring and pumping installation at east (14nos., 1.5nos./d/rig, 1rig)																			
Z3S3-3805	STB - Monitoring and pumping installation at north (after piling) (13nos., 1.5nos./d/rig, 1rig)	9	20-Sep-23	29-Sep-23	-162	STB - Monitoring and pumping installation at north (after piling) (13nos., 1.5nos./d/rig, 1rig)																			
Z3S3-5080	STB - Pumping test	7	03-Oct-23	10-Oct-23	-162	STB - Pumping test																			
Excavation and Lateral Support																									
Z3S3-2250	STB - ELS, Excavation (+6.0 to +3.5mPD, 1,759m3 @ 250m3/d)	10	11-Oct-23	21-Oct-23	-162	STB - ELS, Excavation (+6.0 to +3.5mPD, 1,759m3 @ 250m3/d)																			
Z3S3-2290	STB - ELS, Strut Installation S1 (@ +4.0mPD)	18	24-Oct-23	13-Nov-23	-162	STB - ELS, Strut Installation S1 (@ +4.0mPD)																			
Utility Corridor (UC5) (Connect to STB)																									
UC5 : Foundation and ELS Works																									
Z3S2-3100	UC5 - ELS, Excavation (+6.0 to +4.0mPD) (526m3, 200m3/d)	3	08-Jun-23 A	17-Jun-23 A		UC5 - ELS, Excavation (+6.0 to +4.0mPD) (526m3, 200m3/d)																			
Z3S2-3110	UC5 - ELS, Strut Installation S1 (+4.0mPD)	10	19-Jun-23 A	10-Jul-23 A		UC5 - ELS, Strut Installation S1 (+4.0mPD)																			
Z3S2-3130	UC5 - ELS, Excavation (+4.0 to -0.5mPD) (1184m3, 200m3/d)	6	11-Jul-23 A	21-Jul-23 A		UC5 - ELS, Excavation (+4.0 to -0.5mPD) (1184m3, 200m3/d)																			
Z3S2-3120	UC5 - Marine Sediments Treatment and Disposal	14	14-Jul-23 A	21-Jul-23 A		UC5 - Marine Sediments Treatment and Disposal																			
Z3S2-3140	UC5 - ELS, Strut Installation S2 (0mPD)	10	15-Jul-23 A	25-Jul-23 A		UC5 - ELS, Strut Installation S2 (0mPD)																			
Z3S2-3170	UC5 - ELS, Excavation (-0.5 to -4.125mPD) (953m3, 200m3/d) *marine deposit	5	26-Jul-23 A	07-Aug-23	-163	UC5 - ELS, Excavation (-0.5 to -4.125mPD) (953m3, 200m3/d) *marine deposit																			
Z3S2-3440	UC5 - ELS, Replace 300mm thk rockfill at founding level	5	08-Aug-23	12-Aug-23	-163	UC5 - ELS, Replace 300mm thk rockfill at founding level																			
UC5 : Civil and Structural Works																									
Z3S2-3180	UC5 - Structure (-3.75 to -2.20mPD, Base Slab) and (-2.20 to -0.5mPD, Wall)	16	14-Aug-23	31-Aug-23	-163	UC5 - Structure (-3.75 to -2.20mPD, Base Slab) and (-2.20 to -0.5mPD, Wall)																			
Z3S2-3520	UC5 - Install backprop, backfill & remove strut S2	6	01-Sep-23	07-Sep-23	-163	UC5 - Install backprop, backfill & remove strut S2																			
Z3S2-3200	UC5 - Structure (-0.5 to +3.5mPD, Wall)	12	08-Sep-23	21-Sep-23	-163	UC5 - Structure (-0.5 to +3.5mPD, Wall)																			
Z3S2-3530	UC5 - Install backprop, backfill & remove strut S1	6	22-Sep-23	28-Sep-23	-163	UC5 - Install backprop, backfill & remove strut S1																			
Z3S2-3210	UC5 - Structure (+3.5 to +4.2mPD, Wall and Roof)	16	29-Sep-23	19-Oct-23	-163	UC5 - Structure (+3.5 to +4.2mPD, Wall and Roof)																			



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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	July 33				August 34				September 35				October 36				November 37					
						02	09	16	23	30	06	13	20	27	03	10	17	24	01	08	15	22	29	05			
						Gantt Chart Area																					
Z3S2-3610	UC5 - Backfill to ground level	3	20-Oct-23	24-Oct-23	-163	UC5 - Backfill to ground level																					
Z3S2-3480	UC5 - Road Diversion on Completed UC5	6	25-Oct-23	31-Oct-23	-163	UC5 - Road Diversion on Completed UC5																					
UC5 : E&M Installation																											
Z3S2-3220	UC5 - BS Works	50	20-Oct-23	18-Dec-23	792	UC5 - BS Works																					
Z3S2-3230	UC5 - E&M Handover	0	20-Oct-23		792	UC5 - E&M Handover																					
Z3S2-3240	UC5 - E&M Installation and Pipeworks	50	20-Oct-23	18-Dec-23	792	UC5 - E&M Installation and Pipeworks																					
Zone 3 South Portion (Z3S)																											
Sludge Digester No. 1-3 (SD1-3)																											
SD1-3 : Foundation and ELS																											
SD1-3 : Sheetpiling, Kingpost, Monitoring and pumping																											
Z3S3-2063	Sludge Digester No. 1-3 - Remaining Sheetpiles Portion WB (561m, 30m/d/rig, 1rig)	20	01-Jun-23 A	15-Aug-23	-140	Sludge Digester No. 1-3 - Remaining Sheetpiles Portion WB (561m, 30m/d/rig, 1rig)																					
Z3S3-2061	Sludge Digester No. 1-3 - Remaining Sheetpiles Portion NA (644m, 30m/d/rig, 1rig)	21	07-Jul-23 A	24-Aug-23	-105	Sludge Digester No. 1-3 - Remaining Sheetpiles Portion NA (644m, 30m/d/rig, 1rig)																					
Z3S3-5670	Sludge Digester No. 1-3 - Demolish remaining SHT2 and backfill for kingpost	18	16-Aug-23	05-Sep-23	-140	Sludge Digester No. 1-3 - Demolish remaining SHT2 and backfill for kingpost																					
Z3S3-2062	Sludge Digester No. 1-3 - Remaining Sheetpiles Portion NB&WA (247+185m, 30m/d/rig, 2rigs) after BH1 surchar	27	16-Aug-23	15-Sep-23	-140	Sludge Digester No. 1-3 - Remaining Sheetpiles Portion NB&WA (247+185m, 30m/d/rig, 2rigs) after BH1 surchar																					
Z3S3-4810	Sludge Digester No. 1-3 - Kingpost by preboring (19nos. @ 2.5d/pile/rig, 2rigs)	24	06-Sep-23	05-Oct-23	-140	Sludge Digester No. 1-3 - Kingpost by preboring (19nos. @ 2.5d/pile/rig, 2rigs)																					
Z3S3-3350	Sludge Digester No. 1-3 - Monitoring and pumping installation (42nos., 1.5nos./d/rig, 2rigs)	14	04-Oct-23	19-Oct-23	-140	Sludge Digester No. 1-3 - Monitoring and pumping installation (42nos., 1.5nos./d/rig, 2rigs)																					
Z3S3-5100	Sludge Digester No. 1-3 - Pumping test	7	20-Oct-23	28-Oct-23	-140	Sludge Digester No. 1-3 - Pumping test																					
SD1-3 : Excavation and Strut Installation																											
Z3S3-2110	Sludge Digester No. 1-3 - ELS Excavation (+5.0 to +4.3mPD, 4168m3 @ 750m3/d)	5	06-Oct-23	11-Oct-23	-139	Sludge Digester No. 1-3 - ELS Excavation (+5.0 to +4.3mPD, 4168m3 @ 750m3/d)																					
Z3S3-2140	Sludge Digester No. 1-3 - Strut Installation S1 (+4.8mPD)	13	12-Oct-23	27-Oct-23	-139	Sludge Digester No. 1-3 - Strut Installation S1 (+4.8mPD)																					
Z3S3-2150	Sludge Digester No. 1-3 - ELS Excavation (+4.3 to +1.8mPD, 6130m3 @ 750m3/d) after BH1 footing backfilled	8	30-Oct-23	07-Nov-23	-140	Sludge Digester No. 1-3 - ELS Excavation (+4.3 to +1.8mPD, 6130m3 @ 750m3/d) after BH1 footing backfilled																					
Biogas Holder No. 1 (BH1)																											
BH1 : Foundation																											
Z3BH-1180	Biogas Holder No. 1 - Sheetpile (TL-11mPD, 488m2 @ 30m2/d, 1rig)	17	03-Jul-23 A	02-Aug-23	-132	Biogas Holder No. 1 - Sheetpile (TL-11mPD, 488m2 @ 30m2/d, 1rig)																					
Z3BH-1280	Biogas Holder No. 1 - Excavate to +0mPD (1026m3) at north side and backfill 300mm thk rockfill	12	17-Jul-23 A	04-Aug-23	-132	Biogas Holder No. 1 - Excavate to +0mPD (1026m3) at north side and backfill 300mm thk rockfill																					
Z3BH-1290	Biogas Holder No. 1 - UU diversion for excavation	12	24-Jul-23 A	31-Jul-23 A		Biogas Holder No. 1 - UU diversion for excavation																					
Z3BH-1310	Biogas Holder No. 1 - Concrete block retaining wall at north side for road diversion	3	05-Aug-23	08-Aug-23	-132	Biogas Holder No. 1 - Concrete block retaining wall at north side for road diversion																					
Z3BH-1190	Biogas Holder No. 1 - Excavate to +0mPD (1026m3) at south side	12	09-Aug-23	22-Aug-23	-132	Biogas Holder No. 1 - Excavate to +0mPD (1026m3) at south side																					
Z3BH-1320	Biogas Holder No. 1 - Road formation and diversion for kingpost/pump wells/SDB piling	6	09-Aug-23	15-Aug-23	-122	Biogas Holder No. 1 - Road formation and diversion for kingpost/pump wells/SDB piling																					
Z3BH-1330	Biogas Holder No. 1 - Excavate berm near WB&NB sheetpile to +2.6mPD (513m3)	4	28-Aug-23	31-Aug-23	-140	Biogas Holder No. 1 - Excavate berm near WB&NB sheetpile to +2.6mPD (513m3)																					
Z3BH-1200	Biogas Holder No. 1 - Backfill rockfill +0/+2.8 to +3.1mPD (3.1m, 0.3m/layer/d)	11	01-Sep-23	13-Sep-23	-140	Biogas Holder No. 1 - Backfill rockfill +0/+2.8 to +3.1mPD (3.1m, 0.3m/layer/d)																					
Z3BH-1160	Biogas Holder No. 1 - Plate load test BH-PLT1	8	14-Sep-23	22-Sep-23	-140	Biogas Holder No. 1 - Plate load test BH-PLT1																					
Z3BH-1300	Biogas Holder No. 1 - Earthing installation	6	14-Sep-23	20-Sep-23	-138	Biogas Holder No. 1 - Earthing installation																					
Z3BH-1010	Biogas Holder No. 1 - 800 Thick Base Slab and retaining wall (from +3.1mPD to +6mPD) and backfill	28	23-Sep-23	28-Oct-23	-140	Biogas Holder No. 1 - 800 Thick Base Slab and retaining wall (from +3.1mPD to +6mPD) and backfill																					
BH1 : E&M Installation																											
ATALZ3BH-0900	BH No. 1 - E&M Handover	0	30-Oct-23		-130	BH No. 1 - E&M Handover																					
ATALZ3BH-2425	BH No. 1 - Material delivery and base preparation (plinth leveling and bitumen coating, drainage)	6	30-Oct-23	04-Nov-23	-130	BH No. 1 - Material delivery and base preparation (plinth leveling and bitumen coating, drainage)																					
Utility Corridor and Pipe Portal (UC/PP)																											
Utility Corridor No. 1 (UC1)																											
UC1 : Predrilling Works																											
Z3S5UC1-2190	UC/PP - Predrill UC&PP-PD3	6	27-Jul-23 A	07-Aug-23	125	UC/PP - Predrill UC&PP-PD3																					
Z3S5UC1-2180	UC/PP - Predrill UC&PP-PD2	6	08-Aug-23	14-Aug-23	125	UC/PP - Predrill UC&PP-PD2																					
Z3S5UC1-2200	UC/PP - Predrill UC&PP-PD6	6	15-Aug-23	21-Aug-23	125	UC/PP - Predrill UC&PP-PD6																					
Utility Corridor No. 2 (UC2)																											
UC2 : Predrilling Works																											
Z3S2-2240	UC/PP - Predrill UC&PP-PD4	6	24-Jul-23 A	26-Jul-23 A		UC/PP - Predrill UC&PP-PD4																					
Zone 3 Middle Portion (Z3M)																											
Utility Corridor and Pipe Portal (UC/PP)																											
Pipe Portal No. 2 (PP2)																											
PP2 : Predrilling Works																											
Z3S2-3410	UC/PP - Predrill UC&PP-PD7	6	22-Jul-23 A	24-Jul-23 A		UC/PP - Predrill UC&PP-PD7																					



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