

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	February				March				April				May				June
						28				29				30				31				32
						29	05	12	19	26	05	12	19	26	02	09	16	23	30	07	14	21
YL Effluent Polishing Plant - Main Works Stage 1 - Detailed Works Programme DPv23																						
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	31-Mar-23*	0	Work Area WA2 (sd) (new site possession) validity for 12 months and subject to renewal																
Contract Section Completion																						
CSC1	Section 1- Civil, Structural and Architectural works of CLP Substations No. 1 & 2 (for CLP install.) (R.SC1=14Nov22)	0		20-Jan-23 A		1- Civil, Structural and Architectural works of CLP Substations No. 1 & 2 (for CLP install.) (R.SC1=14Nov22)																
Environmental Constraints																						
NMM-2155	PS 1.105A Noise Mitigation Measures 2022-2023	151	01-Nov-22 A	30-Apr-23	184	PS 1.105A Noise Mitigation Measures 2022-2023																
EBS-2165	Egrets Breeding Season 2023	184	01-Mar-23*	31-Aug-23	0																	
Planned Completion																						
Planned Section Completion																						
PSC1	Section 1 - Civil, Structural and Architectural works of CLP Substations No. 1 & 2 (for CLP install.)	0		20-Jan-23 A		1 - Civil, Structural and Architectural works of CLP Substations No. 1 & 2 (for CLP install.)																
Compensation Events																						
CE216	Implementation of Compensation Event (CE) No. 216 - Weather conditions affecting the site in Nov 2022	0		30-Jan-23 A		◆ Implementation of Compensation Event (CE) No. 216 - Weather conditions affecting the site in Nov 2022																
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-Apr-23	-74	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-May-23	384	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-Apr-23	-181	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-Apr-23	95	Subletting for Waterproofing membrane and protection board																
SUB-360	Subletting for Rebar fixing	86	29-Nov-21 A	30-Apr-23	-181	Subletting for Rebar fixing																
SUB-310	Subletting for Utilities Corridor ELS	60	08-Aug-22 A	09-Apr-23	-118	Subletting for Utilities Corridor ELS																
SUB-290	Subletting for ABWF works for IW, PST, SDB, STB, MBR, TTB and admin. bldg	60	01-Mar-23	29-Apr-23	-41	Subletting for ABWF works for IW, PST, SDB, STB, MBR, TTB and admin. bldg																
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-Mar-23	-224	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																
TWD-250	ELS - Obtain Approval	7	18-Mar-23	24-Mar-23	146	ELS - Obtain Approval																
TWD-520	ELS - Submit to GEO (Dewatering Proposal)	28	25-Mar-23	21-Apr-23	146	ELS - Submit to GEO (Dewatering Proposal)																
Sludge Thickening Building																						
One-stage design																						
TWD-210	ELS - Obtain Approval	7	10-Dec-22 A	07-Mar-23	123	ELS - Obtain Approval																
TWD-540	ELS - Submit to GEO (Dewatering Proposal)	28	01-Mar-23	28-Mar-23	-88	ELS - Submit to GEO (Dewatering Proposal)																
Two-stages design																						
TWD-870	ELS - Obtain Approval	0		28-Feb-23	-110	◆ ELS - Obtain Approval																
TWD-880	ELS - Submit to GEO (Dewatering Proposal)	28	01-Mar-23	28-Mar-23	-110	ELS - Submit to GEO (Dewatering Proposal)																
Tertiary Treatment System																						
TWD-170	ELS - Obtain Approval	7	30-Dec-22 A	07-Mar-23	-65	ELS - Obtain Approval																
TWD-550	ELS - Submit to GEO (Dewatering Proposal)	28	08-Mar-23	04-Apr-23	-65	ELS - Submit to GEO (Dewatering Proposal)																
Sludge Digester 1-3 & Utilities Corridor																						
TWD-370	ELS - Obtain Approval	7	21-Dec-22 A	21-Mar-23	-118	ELS - Obtain Approval																
TWD-560	ELS - Submit to GEO (Dewatering Proposal)	28	07-Mar-23	03-Apr-23	-81	ELS - Submit to GEO (Dewatering Proposal)																
Sludge Digester 4-6																						
TWD-460	ELS - Prepare & Submission for PM's review	45	22-Mar-23	05-May-23	599	ELS - Prepare & Submission for PM's review																
TWD-470	ELS - Review by PM's & ICE review (28 d + 7d)	35	06-May-23	09-Jun-23	599	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-Mar-23	14-Apr-23	355	ELS - Prepare & Submission for PM's review																
TWD-270	ELS - Review by PM's & ICE review (28 d + 7d)	35	15-Apr-23	19-May-23	355	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-May-23	02-Jun-23	355	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																
Modification of Existing Emergency Bypass Chamber																						
TWD-660	ELS - Review by PM's & ICE review (28 d + 7d)	35	30-Dec-22 A	25-Mar-23	88	ELS - Review by PM's & ICE review (28 d + 7d)																
TWD-670	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	26-Mar-23	08-Apr-23	88	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																
TWD-680	ELS - Obtain Approval	7	09-Apr-23	15-Apr-23	88	ELS - Obtain Approval																
TWD-690	ELS - Submit to GEO (Dewatering Proposal)	28	09-Apr-23	06-May-23	96	ELS - Submit to GEO (Dewatering Proposal)																
Modification of Existing Inspection Chamber & Inlet Effluent Pipes from NSWSPS																						
TWD-700	ELS - Prepare & Submission for PM's review	45	26-Oct-22 A	25-Mar-23	58	ELS - Prepare & Submission for PM's review																
TWD-710	ELS - Review by PM's & ICE review (28 d + 7d)	35	26-Mar-23	29-Apr-23	58	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	30-Apr-23	13-May-23	58	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																
TWD-730	ELS - Obtain Approval	7	14-May-23	20-May-23	58	ELS - Obtain Approval																
TWD-740	ELS - Submit to GEO (Dewatering Proposal)	28	14-May-23	10-Jun-23	61	ELS - Submit to GEO (Dewatering Proposal)																



- 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. 28 - 3MRP (Feb 2023)

Project ID : DWPr23_230327-2
 Layout : DC201910 MPR28-3MRP
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Monthly Progress Report - 3MRP			
Date	Revision	Checked	Approved
28-Feb-23	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	February 28				March 29				April 30				May 31				June 32		
						29	05	12	19	26	05	12	19	26	02	09	16	23	30	07	14	21	28	04
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-Mar-23	04-Jun-23	15																			
TWD-760	Civil structure design - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	96	31-Mar-23	04-Jul-23	15																			
TWD-770	ELS - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	96	30-Apr-23	03-Aug-23	15																			
Temporary pumping and pipeworks between existing Detroit and PST Stage 1 [Temp. pumping system]																								
TWD-780	Hydraulic design - Prep(45d), Sub.&Review(30d), Comment&Resub (14d) & Approval (7d)	96	01-Mar-23	04-Jun-23	-57																			
TWD-790	Civil structure design - Prep(45d), Sub.&Review(30d), Comment&Resub (14d) & Approval (7d)	96	31-Mar-23	04-Jul-23	-57																			
TWD-800	ELS - Prep(45d), Sub.&Review(30d), Comment&Resub (14d) & Approval (7d)	96	30-Apr-23	03-Aug-23	-57																			
Temporary Traffic Arrangement at Wang Lok Street																								
TWD-810	TTA - Engaga TTA Consultant	60	20-Dec-22 A	27-Apr-23	-71																TTA - Engaga TTA Consultant			
TWD-820	TTA - Prepare/submit/review/approve TTA design and drawings to PM and TMLG	120	28-Apr-23	25-Aug-23	-71																			
Temporary Working Platform at ELS																								
Temporary Working Platform at AGS ELS																								
TWD-900	Temp. Working Platform - AGS ELS - Review by PM's & ICE review (28 d + 7d)	35	14-Feb-23 A	01-Apr-23	-299																Temp. Working Platform - AGS ELS - Review by PM's & ICE review (28 d + 7d)			
TWD-910	Temp. Working Platform - AGS ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	02-Apr-23	15-Apr-23	-299																Temp. Working Platform - AGS ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)			
TWD-920	Temp. Working Platform - AGS ELS - Obtain Approval	7	16-Apr-23	22-Apr-23	-299																Temp. Working Platform - AGS ELS - Obtain Approval			
Temporary Working Platform at TTS ELS																								
TWD-930	Temp. Working Platform - TTSS ELS - Prepare & Submission for PM's review	45	20-Jan-23 A	07-Feb-23 A																	Temp. Working Platform - TTSS ELS - Prepare & Submission for PM's review			
TWD-940	Temp. Working Platform - TTS ELS - Review by PM's & ICE review (28 d + 7d)	35	08-Feb-23 A	04-Apr-23	-56																Temp. Working Platform - TTS ELS - Review by PM's & ICE review (28 d + 7d)			
TWD-950	Temp. Working Platform - TTS ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	05-Apr-23	18-Apr-23	-56																Temp. Working Platform - TTS ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)			
TWD-960	Temp. Working Platform - TTS ELS - Obtain Approval	7	19-Apr-23	25-Apr-23	-56																Temp. Working Platform - TTS ELS - Obtain Approval			
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	17-Mar-23	96																E&M AIP Report for Plant Service Water - Resubmission for further review			
AIP-530	E&M AIP Report for Plant Service Water - Obtain Approval	7	18-Mar-23	24-Mar-23	96																E&M AIP Report for Plant Service Water - Obtain Approval			
Package 6A - Control & Monitoring System																								
AIP-200	Control & Monitoring System - Resubmission for further review	14	24-Jan-22 A	28-Mar-23	451																Control & Monitoring System - Resubmission for further review			
AIP-620	Control & Monitoring System - Obtain Approval	7	29-Mar-23	04-Apr-23	451																Control & Monitoring System - Obtain Approval			
Package 22A - Sampling System of YLEPP																								
AIP-930	Sampling System - Resubmission for further review	45	24-Dec-22 A	23-Mar-23	-77																Sampling System - Resubmission for further review			
AIP-940	Sampling System - Obtain Approval	7	24-Mar-23	30-Mar-23	-77																Sampling System - Obtain Approval			
Package 23A - Security, Public Address and Communication System																								
AIP-950	SPC - Prepare & Submission for PM's review	45	01-Jun-22 A	17-Mar-23	22																SPC - Prepare & Submission for PM's review			
AIP-960	SPC - Review by PM's & ICE review (28 d + 7d)	45	18-Mar-23	01-May-23	22																SPC - Review by PM's & ICE review (28 d + 7d)			
AIP-970	SPC - Resubmission for further review	45	02-May-23	15-Jun-23	22																SPC - Resubmission for further review			
DDA																								
Package 1A - Hydraulic Detailed Design Approval (DDA) Report																								
DDA-1490	Hydraulic Detailed Design Approval - Obtain Approval	7	29-Dec-22 A	01-Feb-23 A																	Hydraulic Detailed Design Approval - Obtain Approval			
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	29-Mar-23	148																Civil Req. for TTS (Foundation design) - Prepare(27d), Sub. & Review(45d),Comment & Resub.(14d), GEO(28d)&			
DDA-150	Foundation for TTS - Prepare (90d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d), GEO (28d)	213	08-Oct-21 A	26-Jun-23	-1																Foundation for TTS - Prepare (90d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d), GEO (28d)			
DDA-180	Civil Req. for TTS (Superstruct. design) - Prepare (147d), Sub. & Review(45d), Comment & Resub.(14d) & Approv	213	11-Oct-21 A	08-Apr-23	120																Civil Req. for TTS (Superstruct. design) - Prepare (147d), Sub. & Review(45d), Comment & Resub.(14d) & Approv			
DDA-190	P&ID for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	213	31-Dec-21 A	29-Sep-23	120																P&ID for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)			
DDA-200	Mechanical for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	213	31-Dec-21 A	24-Nov-23	161																Mechanical for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)			
DDA-210	Electrical& Control for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	213	31-Dec-21 A	24-Nov-23	161																Electrical& Control for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)			
DDA-140	Architectural for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	17-Nov-22 A	04-Jul-23	252																Architectural for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)			
DDA-160	Civil & Structural for TTS - Prepare (120d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	177	17-Nov-22 A	25-Aug-23	-1																Civil & Structural for TTS - Prepare (120d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)			
DDA-220	Building Services (BS) for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	310	25-Mar-23*	28-Jan-24	96																Building Services (BS) for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)			
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	31-Mar-23	190																Civil Req. for MBS-AGS (Foundation design) - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Ap			
DDA-280	P&ID for MBS (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	08-Oct-21 A	16-Oct-23	251																P&ID for MBS (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)			
DDA-290	Mechanical for MBS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	08-Oct-21 A	16-Oct-23	251																Mechanical for MBS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)			
DDA-300	Electrical& Control for MBS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	405	08-Oct-21 A	16-Oct-23	251																Electrical& Control for MBS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)			
DDA-270	Civil Req. for MBS-AGS (Superstruct. design) - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Ap	126	01-Mar-22 A	17-Apr-23	190																Civil Req. for MBS-AGS (Superstruct. design) - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Ap			
DDA-240	Foundation for MBS - Prepare (97d), Sub. & Review(45d), Comment & Resub.(14d),GEO (28d) & Approval (7d)	230	18-Mar-22 A	26-Aug-23	199																Foundation for MBS - Prepare (97d), Sub. & Review(45d), Comment & Resub.(14d),GEO (28d) & Approval (7d)			
DDA-250	Civil & Structural for MBS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	170	20-Jan-23 A	04-Sep-23	190																Civil & Structural for MBS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)			
DDA-310	Building Services (BS) for MBS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	199	01-Apr-23*	16-Oct-23	251																Building Services (BS) for MBS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)			
DDA-1530	VCAB for AGS&TTS - Prepare (30d), Sub. & Review(30d)	234	01-Apr-23	20-Nov-23	251																VCAB for AGS&TTS - Prepare (30d), Sub. & Review(30d)			
Package 5A - Master Water Meter Room																								
DDA-360	Foundation for Master WM Room- Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d),GEO(28d) & App	154	15-Feb-22 A	04-May-23	12																Foundation for Master WM Room- Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d),GEO(28d) & App			
DDA-370	Civil & Struct. for WM Room- Prepare (90d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	156	15-Apr-22 A	21-Jul-23	25																Civil & Struct. for WM Room- Prepare (90d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)			



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

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

Monthly Progress Report No. 28 - 3MRP (Feb 2023)

Project ID : DWPr23_230327-2
 Layout : DC201910 MPR28-3MRP
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Monthly Progress Report - 3MRP			
Date	Revision	Checked	Approved
28-Feb-23	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	February 28				March 29				April 30				May 31				June 32			
						29	05	12	19	26	05	12	19	26	02	09	16	23	30	07	14	21	28	04	
						Gantt Chart (Visual representation of activity progress)																			
DDA-390	P&ID for MWMC - MBS (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	01-Mar-23*	04-Jul-23	7	[Gantt Bar]																			
DDA-380	General Arrangement & Civil Req. for MWMC - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	31-Mar-23	03-Aug-23	12	[Gantt Bar]																			
DDA-400	Mechanical for MWMC - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	25-Apr-23	28-Aug-23	7	[Gantt Bar]																			
DDA-410	Electrical & Control for MWMC - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	25-Apr-23	28-Aug-23	7	[Gantt Bar]																			
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	30-Mar-23	348	[Gantt Bar]																			
DDA-1040	Piping & Instrumentation Diagram (P&ID) - Prep(30d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	178	25-Mar-23	18-Sep-23	96	[Gantt Bar]																			
DDA-1060	Electrical & Control for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	25-Mar-23	28-Jul-23	228	[Gantt Bar]																			
DDA-1070	Mechanical for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	178	25-Mar-23	18-Sep-23	228	[Gantt Bar]																			
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	15-Jul-23	515	[Gantt Bar]																			
DDA-440	Civil & Struct. for STCS, WGB & Guard Hse - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	250	09-Nov-21 A	03-Jun-23	35	[Gantt Bar]																			
DDA-440B	Civil Req. for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	300	15-Nov-21 A	19-Apr-23	602	[Gantt Bar]																			
DDA-1130	Mechanical for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	340	15-Nov-21 A	15-Jul-23	515	[Gantt Bar]																			
DDA-1140	Electrical & Control for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	315	30-Nov-21 A	15-Jul-23	515	[Gantt Bar]																			
DDA-1520	Mechanical Ventilation and Air conditional System Design for Sludge Thickening Building (STB)	320	16-Jun-22 A	15-Jul-23	1597	[Gantt Bar]																			
DDA-1510	Plumbing and Drainage System Design for Sludge Thickening Building (STB)	320	07-Jul-22 A	15-Jul-23	1597	[Gantt Bar]																			
DDA-1500	Fire Services Design for Sludge Thickening Building (STB)	320	08-Jul-22 A	15-Jul-23	1597	[Gantt Bar]																			
DDA-430	Found. for STCS, Waste Gas Burner & Guard Hse - Prepare(60d), Sub.&Review(45d), Comment & Resub.(14d), GEO(126	12-Mar-23	15-Jul-23	1107	[Gantt Bar]																			
DDA-1150	Building Services for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	12-Mar-23	15-Jul-23	515	[Gantt Bar]																			
Package 7 - CLP Substation and 11kV Switchgear House																									
DDA-470	Electrical System for all facilities - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	78	01-Jun-21 A	30-Mar-23	85	[Gantt Bar]																			
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-Mar-23	85	[Gantt Bar]																			
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-Mar-23	85	[Gantt Bar]																			
DDA-1160	Earthing & Lighting System Design Report - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	78	02-Jul-21 A	30-Mar-23	85	[Gantt Bar]																			
DDA-1450	VCAB, FSD & WSD Design Report - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	78	02-Jul-21 A	30-Mar-23	85	[Gantt Bar]																			
Package 9 - Inlet Work (IW)																									
DDA-1180	PID for Inlet Work - Prepare (30d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)	120	10-Jul-21 A	27-Apr-23	107	[Gantt Bar]																			
DDA-1170	Civil Req. Drawing for Inlet Work - Prepare (30d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)	82	04-Aug-21 A	28-Mar-23	-145	[Gantt Bar]																			
DDA-1190	Mechanical for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	120	09-Aug-21 A	27-Apr-23	107	[Gantt Bar]																			
DDA-1200	Electrical & Control for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	120	30-Oct-21 A	20-Apr-23	105	[Gantt Bar]																			
DDA-1210	Building Services for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	76	30-Mar-22 A	20-Apr-23	105	[Gantt Bar]																			
Package 10 - Primary Sedimentation Tank (PST)																									
DDA-1230	PID for PST - Prepare (46d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)	120	01-Jun-21 A	28-Apr-23	-36	[Gantt Bar]																			
DDA-1240	Mechanical for PST - Prepare (46d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)	120	01-Jun-21 A	28-Apr-23	252	[Gantt Bar]																			
DDA-1250	Electrical & Control for PST - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	48	31-Aug-21 A	28-Apr-23	252	[Gantt Bar]																			
DDA-1260	Building Services for PST - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	90	01-Oct-21 A	28-Apr-23	222	[Gantt Bar]																			
Package 11 - Control and Monitoring System																									
DDA-580	Power Quality & Energy Management System (PQEMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d)	130	02-Oct-21 A	30-Jun-23	44	[Gantt Bar]																			
DDA-550	Supervisory Control&Data Application (SCADA) System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	269	01-Mar-23	24-Nov-23	402	[Gantt Bar]																			
DDA-1270	Gas Detection System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	91	01-Mar-23	30-May-23	390	[Gantt Bar]																			
DDA-1280	Data Collection, Management, Analysis, & Model System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d)	269	01-Mar-23	24-Nov-23	402	[Gantt Bar]																			
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)	126	12-Mar-23	15-Jul-23	515	[Gantt Bar]																			
Package 13 - Pipework System																									
DDA-670	Pipeworks System for Primary Sedimentation Tanks (PST)- Prep(57d), Sub.&Review(45d), Comment&Resub(14d) & Approval (7d)	123	18-Sep-21 A	31-Mar-23	181	[Gantt Bar]																			
DDA-680	Pipeworks System for Biogas Holder (BH) - Prep(57d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	123	18-Sep-21 A	31-Mar-23	587	[Gantt Bar]																			
DDA-690	Pipeworks System for Sludge Dewatering Building (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	18-Mar-23	21-Jul-23	181	[Gantt Bar]																			
DDA-700	Pipeworks System for Utility Corridor&Pipe Portal (UC/PP) - Prep(103d), Sub.&Review(45d), Comment&Resub(14d) & Approval (7d)	126	18-Mar-23	21-Jul-23	1071	[Gantt Bar]																			
DDA-1030	Pipeworks System for Sludge Digesters - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	18-Mar-23	21-Jul-23	181	[Gantt Bar]																			
Package 14 - Sludge Anaerobic Digestion System (SDT)																									
DDA-1300	PID for SDT - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	460	01-Jul-21 A	10-Nov-23	69	[Gantt Bar]																			
DDA-1320	Electrical & Control for SDT & UC/PP - Prepare (55d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	460	02-Jul-21 A	10-Nov-23	69	[Gantt Bar]																			
DDA-1290	Civil Req. Drawing for SDT - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	200	10-Jul-21 A	29-Apr-23	69	[Gantt Bar]																			
DDA-1310	Mechanical for SDT & UC/PP - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	460	10-Jul-21 A	10-Nov-23	69	[Gantt Bar]																			
DDA-1340	Civil Req. Drawing for UC/PP - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	580	10-Jul-21 A	10-Nov-23	749	[Gantt Bar]																			
DDA-1330	Building Services for SDT & UC/PP - Prepare (56d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	195	30-Apr-23	10-Nov-23	69	[Gantt Bar]																			
Package 15 - Biogas H2S Removal, Storage and Delivery System																									
DDA-1360	PID for Biogas H2S Removal, Storage and Delivery System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d) & Approval (7d)	75	13-Jul-21 A	18-Apr-23	568	[Gantt Bar]																			
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	01-Apr-23	537	[Gantt Bar]																			
DDA-1370	Mechanical for Biogas H2S Removal System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d) & Approval (7d)	78	05-Oct-21 A	26-Apr-23	569	[Gantt Bar]																			



- 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. 28 - 3MRP (Feb 2023)

Project ID : DWPr23_230327-2
 Layout : DC201910 MPR28-3MRP
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Monthly Progress Report - 3MRP			
Date	Revision	Checked	Approved
28-Feb-23	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	February					March					April					May					June
						28					29					30					31					32
						29	05	12	19	26	05	12	19	26	02	09	16	23	30	07	14	21	28	04		
DDA-1400	Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Ap	78	07-Dec-21 A	01-Apr-23	586	Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Ap																				
DDA-1380	Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&A	139	02-Apr-23	18-Aug-23	586	Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&A																				
DDA-1390	Building Services for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Apr	139	02-Apr-23	18-Aug-23	586	Building Services for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Apr																				
Package 16 - Deodorization Unit System																										
DDA-1410	PID for DOU System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78	03-Sep-21 A	05-Apr-23	402	PID for DOU System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)																				
DDA-1420	Mechanical for DOU No. 1 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78	04-Mar-22 A	27-Apr-23	1677	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	15-Jul-23	601	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)	233	06-Apr-23	24-Nov-23	402	Mechanical for DOU No. 2A and 2B - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)																				
Package 20 - Trellis																										
DDA-720	Civil & Structural for Trellis - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	255	16-May-23	25-Jan-24	761	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)	90	31-Mar-23	28-Jun-23	-77	Sampling System for IW&PST - 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)	128	20-Apr-23	25-Aug-23	22	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	126	19-Mar-23	22-Jul-23	247	Architectural for Administration Building (ADB)- Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval																				
Design out of ATAL's Scope																										
DDA-1540	Drainage systems at base slab / foundation levels - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & App	126	01-Mar-23	04-Jul-23	127	Drainage systems at base slab / foundation levels - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & App																				
DDA-1560	Street fire hydrant system - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	01-Mar-23	04-Jul-23	127	Street fire hydrant system - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)																				
DDA-1590	Motor-driven Entrance Gate - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	01-Mar-23	04-Jul-23	78	Motor-driven Entrance Gate - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)																				
Technical Submission																										
Environmental Submission (PS 34.12(4)(xx))																										
SUBM-1150	Employment of specialists or consultants	60	05-Apr-23	03-Jun-23	1489	Employment of specialists or consultants																				
Hazardous Area Classification and Fire Risk Assessment																										
TS-1810	Hazardous Area Classification Assessment - Prep(60), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	126	20-Sep-21 A	04-Apr-23	142	Hazardous Area Classification Assessment - Prep(60), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																				
TS-1820	Fire Risk Assessment - Prep(60), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	126	20-Sep-21 A	04-Apr-23	142	Fire Risk Assessment - Prep(60), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																				
Factory Acceptance Test Plans																										
SUBM-1090	Submit/review/approval Factory Acceptance Test Plans - Inlet pumps	120	01-Mar-23	28-Jun-23	-79	Submit/review/approval Factory Acceptance Test Plans - Inlet pumps																				
SUBM-1100	Submit/review/approval Factory Acceptance Test Plans - Thickening centrifuges	120	01-Mar-23	28-Jun-23	418	Submit/review/approval Factory Acceptance Test Plans - Thickening centrifuges																				
SUBM-1110	Submit/review/approval Factory Acceptance Test Plans - Disc filter system	120	01-Mar-23	28-Jun-23	111	Submit/review/approval Factory Acceptance Test Plans - Disc filter system																				
SUBM-1120	Submit/review/approval Factory Acceptance Test Plans - 11kV switchboards	120	01-Mar-23	28-Jun-23	-109	Submit/review/approval Factory Acceptance Test Plans - 11kV switchboards																				
SUBM-1130	Submit/review/approval Factory Acceptance Test Plans - SCADA system	120	01-Mar-23	28-Jun-23	147	Submit/review/approval Factory Acceptance Test Plans - SCADA system																				
SUBM-1140	Employment of third-party independent surveyor for Factory Acceptance Tests	60	01-Mar-23	29-Apr-23	-109	Employment of third-party independent surveyor for Factory Acceptance Tests																				
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	24-Apr-23	-34	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft																				
SUBM-1200	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft	60	25-Apr-23	23-Jun-23	108	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	25-Apr-23	23-Jun-23	331	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft																				
Sludge Thickening System																										
SUBM-1250	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	25-Apr-23	23-Jun-23	811	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft																				
Sludge Digestion System																										
SUBM-1310	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	25-Apr-23	23-Jun-23	62	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft																				
Biogas H2S Removal System																										
SUBM-1280	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	25-Apr-23	23-Jun-23	62	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	29-Apr-23	73	Employment of HOKLAS laboratory for commissioning test																				
SUBM-1000	Submit/review/approval Commissioning Plan and Procedures - Early commissioning of IW	120	30-Apr-23	27-Aug-23	147	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	30-Apr-23	27-Aug-23	73	Submit/review/approval Commissioning Plan and Procedures - Early commissioning of PST																				
SUBM-1020	Submit/review/approval Commissioning Plan and Procedures - AGS	120	30-Apr-23	27-Aug-23	301	Submit/review/approval Commissioning Plan and Procedures - AGS																				
SUBM-1030	Submit/review/approval Commissioning Plan and Procedures - TTS	120	30-Apr-23	27-Aug-23	761	Submit/review/approval Commissioning Plan and Procedures - TTS																				
SUBM-1040	Submit/review/approval Commissioning Plan and Procedures - STB	120	30-Apr-23	27-Aug-23	806	Submit/review/approval Commissioning Plan and Procedures - STB																				
SUBM-1050	Submit/review/approval Commissioning Plan and Procedures - SDT	120	30-Apr-23	27-Aug-23	408	Submit/review/approval Commissioning Plan and Procedures - SDT																				
SUBM-1060	Submit/review/approval Commissioning Plan and Procedures - Biogas system	120	30-Apr-23	27-Aug-23	740	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	21-Nov-23	-102	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	21-Dec-23	-79	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	21-Dec-23	-93	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Grit Trap and classifier																				
PRE-280	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Conveyer and compactor	270	12-Apr-22 A	21-Dec-23	-30	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Conveyer and compactor																				
PRE-330	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - DOU-01	330	26-May-22 A	03-Nov-23	-65	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - DOU-01																				



- 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. 28 - 3MRP (Feb 2023)

Project ID : DWPr23_230327-2
 Layout : DC201910 MPR28-3MRP
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Date	Revision	Checked	Approved
28-Feb-23	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	February 28					March 29				April 30				May 31				June 32		
						29	05	12	19	26	05	12	19	26	02	09	16	23	30	07	14	21	28	04	
PRE-300	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - LALG	270	28-Jul-22 A	21-Dec-23	-130																				
PRE-310	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Penstocks and stoplogs	270	13-Sep-22 A	21-Nov-23	-102																				
PRE-320	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - MVAC-Ventilation Fan	211	10-Jan-23 A	21-Nov-23	-19																				
Primary Sedimentation Tanks																									
PRE-220	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Inclined plate settler	225	08-Dec-21 A	21-Jun-23	-19																				
PRE-380	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - LALG	180	25-Jul-22 A	21-Apr-23	-9																				
PRE-390	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Penstocks and stoplogs	270	13-Aug-22 A	01-Jun-23	-36																				
PRE-340	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Bottom scraper	255	08-Sep-22 A	19-Oct-23	18																				
PRE-350	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - IPS air scouring blower	255	27-Sep-22 A	18-Sep-23	20																				
PRE-360	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Scum pump and skimmer	255	29-Sep-22 A	18-Oct-23	58																				
PRE-370	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Primary sludge pump and grinder	255	29-Sep-22 A	18-Sep-23	79																				
PRE-340a	Submit/Appoint manufacturer's representative for sludge bottom scraper (PS Cl. 35.26(7))	194	12-Oct-22 A	21-Jun-23	138																				
PRE-400	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Pipeworks and valves	194	15-Oct-22 A	21-Jun-23	21																				
Biogas Holder																									
PRE-270	Submit/Procure/Manufacture/Deliver Biogas Holding Tanks (membrane, steel tank and parts, instrumentation)	660	09-Jun-21 A	07-Jul-23	618																				
PRE-410	Submit/Procure/Manufacture/Deliver Waster Gas Burner	300	19-Aug-21 A	16-Oct-23	618																				
PRE-420	Submit/Procure/Manufacture/Deliver H2S Removal System	510	25-Feb-22 A	20-Mar-24	511																				
PRE-430	Submit/Procure/Manufacture/Deliver Biogas booster and transfer pumps	366	21-Mar-23*	20-Mar-24	532																				
Sludge Digester Tank																									
PRE-450	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Sludge Digester System	330	31-Aug-22 A	26-Jan-24	-8																				
PRE-460	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Draft tube mixer	396	26-Dec-22 A	10-Feb-24	2																				
PRE-470	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - MVAC-Jet fan	299	29-Apr-23*	21-Feb-24	-34																				
Sludge Thickening Building																									
PRE-250	Submit/Procure/Manufacture/Deliver Sludge Thickening System - Thickening Centrifuges	360	12-Nov-21 A	23-Nov-23	418																				
PRE-500	Submit/Procure/Manufacture/Deliver Sludge Thickening System - Pump and jet mixer	300	07-Jan-22 A	23-Nov-23	418																				
PRE-510	Submit/Procure/Manufacture/Deliver Sludge Thickening System - LALG	256	13-Mar-23*	23-Nov-23	399																				
PRE-480	Submit/Procure/Manufacture/Deliver Sludge Thickening System - Polymer preparation system	240	29-Mar-23*	23-Nov-23	384																				
PRE-520	Submit/Procure/Manufacture/Deliver Sludge Thickening System - MVAC	228	10-Apr-23*	23-Nov-23	418																				
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	-10																				
PRE-530	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Penstocks and stoplogs	345	31-Oct-22 A	03-Jul-24	44																				
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	104																				
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	-10																				
Tertiary Treatment System																									
PRE-610	Submit/Procure/Manufacture/Deliver TTS Equip. - Pumping system	495	19-Jul-22 A	05-Jul-24	111																				
PRE-600	Submit/Procure/Manufacture/Deliver TTS Equip. - UV disinfection system	510	08-Sep-22 A	05-Jul-24	111																				
PRE-240	Submit/Procure/Manufacture/Deliver TTS Equip. - Disc Filter	600	27-Sep-22 A	05-Jul-24	111																				
PRE-590	Submit/Procure/Manufacture/Deliver TTS Equip. - Chemical cleaning system	480	18-Nov-22 A	05-Jul-24	111																				
PRE-630	Submit/Procure/Manufacture/Deliver TTS Equip. - Penstocks and stoplogs	435	30-Nov-22 A	05-Jul-24	111																				
PRE-620	Submit/Procure/Manufacture/Deliver TTS Equip. - LALG	418	15-May-23*	05-Jul-24	111																				
Electrical and Control System																									
PRE-680	Submit/Procure/Manufacture/Deliver Electrical and Control System - SCADA and instrumentation	420	30-Apr-22 A	23-Aug-23	147																				
PRE-640	Submit/Procure/Manufacture/Deliver Electrical and Control System - HVSB and Tx	283	21-Dec-22 A	30-Nov-23	-109																				
PRE-650	Submit/Procure/Manufacture/Deliver Electrical and Control System - LVSB	300	21-Dec-22 A	23-Nov-23	-98																				
PRE-660	Submit/Procure/Manufacture/Deliver Electrical and Control System - UPS	300	21-Dec-22 A	30-Nov-23	-80																				
PRE-670	Submit/Procure/Manufacture/Deliver Electrical and Control System - Armoured Cable	203	21-Dec-22 A	23-Aug-23	1																				
Statutory Submission & Approval																									
FSI, FSD and OP Requirements																									
FSI Submission & Approval																									
FSD-1040	Submission/Review/Approval by PM and FSD - Full GBP+GBP for TOP1 with DG - RTC & 2nd submission	120	28-Feb-23 A	28-Jun-23	-113																				
WSD Submission & Approval																									
WSD-1000	WSD - Submit Form WWO542	0		16-Mar-23	7																				
WSD-1010	WSD - Form WWO542 PM&WSD review and approval	90	17-Mar-23	14-Jun-23	7																				
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	679																				
HAZOP Study																									
IW and PST																									
HAZOP-Z1-010	HAZOP - Review Design / Installation HAZOP for IW PST by independent consultant/ATAL/PM/DSD	30	12-Dec-22 A	30-Mar-23	-36																				
HAZOP-Z1-020	HAZOP - Re-submission of Design / Installation methodology	20	31-Mar-23	19-Apr-23	-36																				



- Remaining Level of Eff...
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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	February				March				April				May				June
						28				29				30				31				32
						29	05	12	19	26	05	12	19	26	02	09	16	23	30	07	14	21
HAZOP-Z1-030	HAZOP - Obtain Approval	7	20-Apr-23	26-Apr-23	-36																	
AGS System																						
HAZOP-Z2-010	HAZOP - Review Design / Installation HAZOP for AGS by independent consultant/ATAL/PM/DSD	30	12-Dec-22 A	30-Mar-23	424																	
HAZOP-Z2-020	HAZOP - Re-submission of Design / Installation methodology	20	31-Mar-23	19-Apr-23	424																	
HAZOP-Z2-030	HAZOP - Obtain Approval	7	20-Apr-23	26-Apr-23	424																	
TTS System																						
HAZOP-Z2-30	HAZOP - Review Design / Installation HAZOP for TTS by independent consultant/ATAL/PM/DSD	30	13-Dec-22 A	30-Mar-23	373																	
HAZOP-Z2-40	HAZOP - Re-submission of Design / Installation methodology	20	31-Mar-23	19-Apr-23	373																	
HAZOP-Z2-50	HAZOP - Obtain Approval	7	20-Apr-23	26-Apr-23	373																	
Biogas H2S Removal System																						
HAZOP-Z3-010	HAZOP - Review Design / Installation HAZOP for Biogas H2S Removal System by independent consultant/ATAL/P	30	14-Dec-22 A	30-Mar-23	568																	
HAZOP-Z3-020	HAZOP - Re-submission of Design / Installation methodology	20	31-Mar-23	19-Apr-23	568																	
HAZOP-Z3-030	HAZOP - Obtain Approval	7	20-Apr-23	26-Apr-23	568																	
Sludge Thickening and Chemical System																						
HAZOP-Z3-30	HAZOP - Review Design / Installation HAZOP for STB by independent consultant/ATAL/PM/DSD	30	15-Dec-22 A	30-Mar-23	595																	
HAZOP-Z3-40	HAZOP - Re-submission of Design / Installation methodology	20	31-Mar-23	19-Apr-23	595																	
HAZOP-Z3-50	HAZOP - Obtain Approval	7	20-Apr-23	26-Apr-23	595																	
Sludge Digestion System																						
HAZOP-Z3-60	HAZOP - Review Design / Installation HAZOP for SDT by independent consultant/ATAL/PM/DSD	30	16-Dec-22 A	30-Mar-23	267																	
HAZOP-Z3-70	HAZOP - Re-submission of Design / Installation methodology	20	31-Mar-23	19-Apr-23	267																	
HAZOP-Z3-80	HAZOP - Obtain Approval	7	20-Apr-23	26-Apr-23	267																	
DOU and PSW System																						
HAZOP-Z3-90	HAZOP - Review Design / Installation HAZOP for DOU and PSW by independent consultant/ATAL/PM/DSD	30	19-Dec-22 A	30-Mar-23	321																	
HAZOP-Z3-100	HAZOP - Re-submission of Design / Installation methodology	20	31-Mar-23	19-Apr-23	321																	
HAZOP-Z3-110	HAZOP - Obtain Approval	7	20-Apr-23	26-Apr-23	321																	
General Advance Works																						
NSWSPS Sensors																						
ATALGA-1130	CMS - NSWSPS Sensor	51	11-Oct-22 A	28-Mar-23	75																	
ATALGA-1160	CGS - Method Statement for Installation	101	11-Oct-22 A	25-Apr-23	170																	
ATALGA-1170	Procurement & Delivery of Sensor	101	29-Mar-23	07-Jul-23	97																	
Disc Filter (DF) Pilot Plant																						
ATALGA-1190	T&C	22	22-Sep-22 A	21-Mar-23	367																	
Dissolved Air Flotation (DAF) Pilot Plant																						
ATALGA-1200	T&C	11	21-Jul-22 A	23-Mar-23	237																	
ATALGA-1220	Post-commissioning	128	24-Mar-23	29-Aug-23	237																	
Aerobic Granular Sludge (AGS) Pilot Plant																						
ATALGA-1210	Seeding, process start-up and T&C	52	16-Jun-22 A	23-Mar-23	237																	
ATALGA-1270	Post-commissioning	128	24-Mar-23	29-Aug-23	237																	
Zone 1 Construction																						
Inlet Works (IW)																						
IW Foundation & ELS Works																						
IW Basement																						
IW Pumping Test																						
Z1-IW-6380	Stage 2 pumping test	12	19-Jan-23 A	10-Feb-23 A																		
IW Excavation Works & ELS																						
IW Zone A/D- ELS																						
Z1-IW-5780	IW- Excavation: 2nd Layer +3.5 ~ 1.0mPD (4,160m3) (3-4 excavators @ 500m3/d)	5	03-Jan-23 A	18-Jan-23 A																		
Z1-IW-5790	IW- Strutting: 2nd Layer @+1.5mPD (10 welders @ 23ton/d)	15	19-Jan-23 A	07-Mar-23	-144																	
Z1-IW-6390	IW- Concrete Backing & Preload (Zone A/D 2nd Layer)	13	08-Mar-23	22-Mar-23	-144																	
Z1-IW-5800	IW- Excavation: 3rd Layer +1.0 ~ - 1.625mPD (4,776m3) (3-4 excavators @ 300m3/d)	14	23-Mar-23	12-Apr-23	-110																	
Z1-IW-5810	IW- Strutting: 3rd Layer @-1.125mPD with preload (10 welders @ 23ton/d)	10	13-Apr-23	24-Apr-23	-110																	
Modification of Zone A/D Strut																						
Z1-IW-6430	IW(A/D) - Design amendment subm. for modify S1&2 (prep=30d,ICE=14d,ICE RitC=14d,PM=14d,PM RitC=14d)	86	15-Mar-23*	30-Jun-23	-95																	
Z1-IW-6440	IW(A/D) - Method statement subm. for modify S1&2 (prep=30d,1st RitC=14d)	44	23-May-23	15-Jul-23	-95																	
IW Zone C - ELS																						
Z1-IW-5685	IW- Concrete Backing & Preload (2nd Layer)	5	08-Mar-23	13-Mar-23	-144																	
Z1-IW-5690	IW- Excavation: 3rd Layer +1.0~-1.625mPD (5,704m3) (3-4 excavators @ 300m3/d)	17	14-Mar-23	01-Apr-23	-144																	
IW Base Slab																						
Z1-IW-6070	IW- Zone C - Pile Cap @-1.625mPD (incl. earth mat installation)	42	03-Apr-23	27-May-23	-144																	



- Remaining Level of Eff.
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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	February				March				April				May				June		
						28				29				30				31				32		
						29	05	12	19	26	05	12	19	26	02	09	16	23	30	07	14	21	28	04
PST Stage 1																								
Basement RC Works (North Portion)																								
Z1-PST-4592	PST(S1) - Zone E3 - Base Slab & Wall Erection of Formworks and RC Works (+1.45 to +5.65mPD)	24	27-Jan-23 A	31-Mar-23	-78	PST(S1) - Zone E3 - Base Slab & Wall Erection of Formworks and RC Works (+1.45 to +5.65mPD)																		
PST Stage 2 of Works																								
PST Foundation - Stage 2 (At Remaining 2 Tanks, PST 5-6 Footprint)																								
Z1-PST-4230	PST Stage 2 - Submit to GEO (28d)	28	05-Nov-22 A	31-Mar-23	445	PST Stage 2 - Submit to GEO (28d)																		
PST Superstructure																								
Stage 1																								
RC Works																								
PST Stage 1 - GL A-C (PST channel and outlet channel)																								
Z1-PST-4702	PST - RC Works for Wall (GL A-C, +2.95/+5.65 to +8.95mPD)	6	01-Apr-23	12-Apr-23	-78	PST - RC Works for Wall (GL A-C, +2.95/+5.65 to +8.95mPD)																		
Z1-PST-4682	PST - RC Works for Intermediate Slab (GL A-C, +8.95mPD)	13	13-Apr-23	27-Apr-23	-78	PST - RC Works for Intermediate Slab (GL A-C, +8.95mPD)																		
Z1-PST-4692	PST - RC Works for wall and 1/F slab (GL A-C, +8.95 to +11.75mPD)	18	28-Apr-23	19-May-23	-78	PST - RC Works for wall and 1/F slab (GL A-C, +8.95 to +11.75mPD)																		
Z1-PST-4712	PST - RC Works for wall/column (GL A-C, +11.75 to +18.15mPD)	12	20-May-23	03-Jun-23	-77	PST - RC Works for wall/column (GL A-C, +11.75 to +18.15mPD)																		
PST Stage 1 - GL C-E (PST channel)																								
Z1-PST-3700	PST - RC Works for Wall (GL C-E, +2.95/+5.65 to +8.95mPD)	6	10-Feb-23 A	25-Mar-23	-67	PST - RC Works for Wall (GL C-E, +2.95/+5.65 to +8.95mPD)																		
Z1-PST-3670	PST - RC Works for Intermediate Slab (GL C-E, +8.95mPD)	13	27-Mar-23	14-Apr-23	-67	PST - RC Works for Intermediate Slab (GL C-E, +8.95mPD)																		
Z1-PST-3680	PST - RC Works for wall and 1/F slab (GL C-E, +8.95 to +11.75mPD)	18	15-Apr-23	06-May-23	-67	PST - RC Works for wall and 1/F slab (GL C-E, +8.95 to +11.75mPD)																		
Z1-PST-3750	PST - RC Works for wall/column (GL C-E, +11.75 to +18.15mPD)	12	08-May-23	20-May-23	-66	PST - RC Works for wall/column (GL C-E, +11.75 to +18.15mPD)																		
Z1-PST-3760	PST - RC Works for roof slab (GL C-E, +11.75 to +18.15mPD) falsework sit on +11.8mPD	17	22-May-23	10-Jun-23	-66	PST - RC Works for roof slab (GL C-E, +11.75 to +18.15mPD) falsework sit on +11.8mPD																		
PST Stage 1 - GL E-H (PST channel)																								
Z1-PST-3660	PST - RC Works for Wall (GL E-H, +2.95 to +8.95mPD)	12	13-Dec-22 A	20-Mar-23	-62	PST - RC Works for Wall (GL E-H, +2.95 to +8.95mPD)																		
Z1-PST-4622	PST - RC Works for Intermediate Slab (GL E-H, +8.95mPD)	13	21-Mar-23	04-Apr-23	-62	PST - RC Works for Intermediate Slab (GL E-H, +8.95mPD)																		
Z1-PST-3710	PST - RC Works for wall and 1/F slab (GL E-H, +8.95 to +11.75mPD)	18	06-Apr-23	29-Apr-23	-62	PST - RC Works for wall and 1/F slab (GL E-H, +8.95 to +11.75mPD)																		
Z1-PST-4612	PST - RC Works for wall/column (GL E-H, +11.75 to +18.15mPD)	12	02-May-23	15-May-23	-61	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	16-May-23	05-Jun-23	-61	PST - RC Works for roof slab (GL E-H, +11.75 to +18.15mPD)																		
Water Tightness Test for PST																								
Z1-PST-3770	PST - Water Tightness Test 1 (PST channel 1&3)	25	20-May-23	13-Jun-23	-97	PST - Water Tightness Test 1 (PST channel 1&3)																		
CLP Substations No. 1 & 2																								
Civil Provision for CLP (drawpits & ductings)																								
CLP-1270	Ducting and Drawpits construction	30	13-Dec-22 A	19-Apr-23	55	Ducting and Drawpits construction																		
CLP Substation No. 1																								
CLP-1340	CLP Substation No.1 - E&M Installation and T&C - Electrical services	19	30-Jan-23 A	30-Mar-23	68	CLP Substation No.1 - E&M Installation and T&C - Electrical services																		
CLP-1460	CLP Substation No.1 - E&M Installation and T&C - MVAC	10	30-Jan-23 A	27-Mar-23	88	CLP Substation No.1 - E&M Installation and T&C - MVAC																		
CLP-1470	CLP Substation No.1 - E&M Installation and T&C - FS	11	30-Jan-23 A	27-Mar-23	88	CLP Substation No.1 - E&M Installation and T&C - FS																		
CLP-1560	CLP Substation No.1 - ABWF Works (not required for Section 1 completion)	38	13-Feb-23 A	14-Apr-23	71	CLP Substation No.1 - ABWF Works (not required for Section 1 completion)																		
CLP-1490	CLP Substation No.1 - E&M Installation and T&C - Crane beam	6	01-Mar-23	07-Mar-23	88	CLP Substation No.1 - E&M Installation and T&C - Crane beam																		
CLP-1440	CLP Substation No.1 - Waterproofing and Testing	13	07-Mar-23*	21-Mar-23	66	CLP Substation No.1 - Waterproofing and Testing																		
CLP Substation No. 2																								
CLP-1350	CLP Substation No.2 - E&M Installation and T&C - Electrical services	19	30-Jan-23 A	30-Mar-23	68	CLP Substation No.2 - E&M Installation and T&C - Electrical services																		
CLP-1520	CLP Substation No.2 - E&M Installation and T&C - MVAC	10	30-Jan-23 A	27-Mar-23	88	CLP Substation No.2 - E&M Installation and T&C - MVAC																		
CLP-1530	CLP Substation No.2 - E&M Installation and T&C - FS	11	30-Jan-23 A	27-Mar-23	88	CLP Substation No.2 - E&M Installation and T&C - FS																		
CLP-1550	CLP Substation No.2 - ABWF Works (not required for Section 1 completion)	35	13-Feb-23 A	14-Apr-23	71	CLP Substation No.2 - ABWF Works (not required for Section 1 completion)																		
CLP-1540	CLP Substation No.2 - E&M Installation and T&C - Crane beam	6	01-Mar-23	07-Mar-23	88	CLP Substation No.2 - E&M Installation and T&C - Crane beam																		
CLP-1450	CLP Substation No.2 - Waterproofing and Testing	13	07-Mar-23*	21-Mar-23	66	CLP Substation No.2 - Waterproofing and Testing																		
CLP Substation No. 1 & 2 Handover Inspection and Installation																								
CLP-1140	CLP Substation 1 & 2 - Ready for Handover to CLP and Early Section 1 Completion (CLP pre-inspection)	0		21-Mar-23	66	CLP Substation 1 & 2 - Ready for Handover to CLP and Early Section 1 Completion (CLP pre-inspection)																		
CLP-1500	CLP Substation No.1 & 2 - Defect works	10	22-Mar-23	01-Apr-23	66	CLP Substation No.1 & 2 - Defect works																		
CLP-1510	CLP Substation No.1 & 2 - CLP final inspection and handover	0		01-Apr-23	66	CLP Substation No.1 & 2 - CLP final inspection and handover																		
CLP-1070	CLP Substation No.1 - CLP Installation	90	20-Apr-23	07-Aug-23	55	CLP Substation No.1 - CLP Installation																		
CLP-1080	CLP Substation No.2 - CLP Installation	90	20-Apr-23	07-Aug-23	55	CLP Substation No.2 - CLP Installation																		
DSD 11kV Switchgear																								
CLP-1060	DSD11KV Switchgear - BS and ABWF Works (excl. GRC Cladding Installation)	36	25-Feb-23 A	22-Apr-23	77	DSD11KV Switchgear - BS and ABWF Works (excl. GRC Cladding Installation)																		
CLP-1110	DSD11KV Switchgear - Installation	51	24-Apr-23	24-Jun-23	77	DSD11KV Switchgear - Installation																		
Sludge Dewatering Building (SDB)																								
SDB Foundation & ELS - Stage 1																								
SDB Preliminaries for Foundation Works																								
SDB-1710	Prepare/submit/review/approve scheme with PM for early access for piling - 1st submission	24	01-Mar-23*	28-Mar-23	233	Prepare/submit/review/approve scheme with PM for early access for piling - 1st submission																		
SDB-1750	Prepare/submit/review/approve scheme with PM for early access for piling - resubmission	14	29-Mar-23	18-Apr-23	233	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	24	19-Apr-23	17-May-23	233	Prepare/submit/review/approve scheme with DSD/ST1 for early access for piling - 1st submission																		
SDB-1770	Prepare/submit/review/approve scheme with DSD/ST1 for early access for piling - resubmission	14	18-May-23	03-Jun-23	233	Prepare/submit/review/approve scheme with DSD/ST1 for early access for piling - resubmission																		



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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	February				March				April				May				June
						28				29				30				31				32
						29	05	12	19	26	05	12	19	26	02	09	16	23	30	07	14	21
SDB GI - Pre-drilling Works																						
SDB At PST4 and Existing Road																						
SDB-1240	PD3	12	11-Jan-23 A	10-Feb-23 A		PD3																
SDB-1300	PD9	12	20-Jan-23 A	13-Feb-23 A		PD9																
SDB-1080	PD21	12	28-Feb-23 A	22-Mar-23	194	PD21																
SDB-1010	PD10	12	23-Mar-23	06-Apr-23	194	PD10																
SDB-1250	PD6	12	11-Apr-23	24-Apr-23	194	PD6																
SDB-1230	PD1	12	25-Apr-23	09-May-23	194	PD1																
SDB-1350	PD4 w/ obstruction (PST4)	12	10-May-23	23-May-23	194	PD4 w/ obstruction																
SDB-1360	PD5 w/ obstruction (PST4)	12	24-May-23	07-Jun-23	194	PD5 w/ obstruction																
Administration Building (ADB)																						
Temporary Admin Office and Control Room																						
ADB-1040	Handover of Temp. Admin Office and Control Room	15	02-Mar-23	18-Mar-23	68	Handover of Temp. Admin Office and Control Room																
Temp Admin Office - MIC Section																						
ADB-1020A30	E&M Installation and T&C	24	15-Aug-22 A	01-Mar-23	62	E&M Installation and T&C																
ADB-1020A40	Relocation of Admin Office (MiC)	15	02-Mar-23	18-Mar-23	62	Relocation of Admin Office (MiC)																
ADB-1020A90	Completion of Admin Office (MiC)	0		18-Mar-23	68	Completion of Admin Office (MiC)																
ADB Demolition																						
ADB-1250	Relocation of Existing SCADA System of Admin Bldg (23) and Document Centre (24)	21	02-Mar-23	25-Mar-23	62	Relocation of Existing SCADA System of Admin Bldg (23) and Document Centre (24)																
ADB-1060	Relocation of Central Control Room	30	20-Mar-23	27-Apr-23	372	Relocation of Central Control Room																
ADB-1050	Demolition of Admin Bldg (23) and Document Centre (24)	20	27-Mar-23	22-Apr-23	62	Demolition of Admin Bldg (23) and Document Centre (24)																
ADB-1080	Demolition of Central Control Room (14)	35	28-Apr-23	09-Jun-23	372	Demolition of Central Control Room (14)																
ADB Foundation Works																						
ADB Early Access for Pre-drilling and Piling																						
ADB-1360	ADB - Pre-drill (3nos., 4days/no./rig, 1rig) (AB-PD3, PD8, PD11) (outside existing building footprint)	8	25-Apr-23	04-May-23	406	ADB - Pre-drill (3nos., 4days/no./rig, 1rig)																
Zone 2 Construction																						
Temporary Diversion																						
Temporary Diversion of 1800dia. Outfall Pipe																						
MBRAF-2460	1800dia. outfall pipe div. - Submit/Approve Design	14	26-Jan-23 A	06-Mar-23	-232	1800dia. outfall pipe div. - Submit/Approve Design																
MBRAF-2440	1800dia. outfall pipe div. - Fabrication and delivery of MS pipe and steel hanger	14	01-Mar-23	16-Mar-23	-232	1800dia. outfall pipe div. - Fabrication and delivery of MS pipe and steel hanger																
MBRAF-2450	1800dia. outfall pipe div. - Submit/Approve Method Statement	14	01-Mar-23	16-Mar-23	-232	1800dia. outfall pipe div. - Submit/Approve Method Statement																
Demolition Works																						
Other Existing Pumping Stations																						
Z2T-152	Demolition of Return Activated Sludge Screw Pumps PS (16) & Chamber (33) superstructure	20	17-Jan-23 A	11-Feb-23 A		Demolition of Return Activated Sludge Screw Pumps PS (16) & Chamber (33) superstructure																
Z2T-154	Demolition of Flow Measurement Chamber (34) & SSD Chamber (32) superstructure	20	17-Jan-23 A	11-Feb-23 A		Demolition of Flow Measurement Chamber (34) & SSD Chamber (32) superstructure																
Mainstream Bio-Reactor & Auxiliary Facility (MBR and AF)																						
MBR and AF Structure																						
MBR - ELS Excavation & Demolition stage 1																						
Pipe Pile																						
Eastern Side																						
Installation of 813mm casing																						
MBRAF-2160	813 Casing Installation (East)(P068-P100, 33nos@ 1.5nos./day/rig, 1 rig) (affected by UU diversion)	25	30-Jan-23 A	08-Feb-23 A		813 Casing Installation (East)(P068-P100, 33nos@ 1.5nos./day/rig, 1 rig) (affected by UU diversion)																
Bird Curtain Modification Works																						
MBRAF-2380	MBR - Dismantle existing bird curtain	24	09-Jan-23 A	02-Feb-23 A		MBR - Dismantle existing bird curtain																
MBRAF-2390	MBR - Erect bird curtain and noise barrier onto as-constructed pipe pile (Type B)	22	03-Feb-23 A	28-Feb-23 A		MBR - Erect bird curtain and noise barrier onto as-constructed pipe pile (Type B)																
Northern Side																						
UU Diversion																						
MBRAF-2400	1800dia. outfall pipe diversion	30	17-Mar-23	25-Apr-23	-232	1800dia. outfall pipe diversion																
Installation of 813mm casing																						
MBRAF-2210	813 Casing Installation (North)(P348-P398, 006-019, 55nos.@ 1.5nos./day/rig, 1 rig)	31	09-Dec-22 A	14-Mar-23	-248	813 Casing Installation (North)(P348-P398, 006-019, 55nos.@ 1.5nos./day/rig, 1 rig)																
MBRAF-2410	813 Casing Installation (North)(10nos.@ 1.5nos./day/rig, 1 rig) (after 1800dia. outfall pipe diversion)	7	26-Apr-23	04-May-23	-232	813 Casing Installation (North)(10nos.@ 1.5nos./day/rig, 1 rig) (after 1800dia. outfall pipe diversion)																
MBRAF-2100	Closing of 813mm pipe pile (South, East and North Sides)	10	05-May-23	16-May-23	-232	Closing of 813mm pipe pile (South, East and North Sides)																
Western Side																						
UU Diversion / Roadworks																						
MBRAF-2220	CLP 11kV (From Blower House) Diversion	13	28-Sep-22 A	22-Mar-23	-217	CLP 11kV (From Blower House) Diversion																
MBRAF-2780	EVA Re-provision (west of blower house)	12	23-Jan-23 A	08-Feb-23 A		EVA Re-provision (west of blower house)																
MBRAF-2790	EVA Re-provision (at PST4)	12	09-Feb-23 A	21-Feb-23 A		EVA Re-provision (at PST4)																
Installation of 813mm casing																						
MBRAF-2260	813 Casing Installation (West)(P294-P239, 56nos@1.5nos./day/rig, 2rigs)	26	13-Feb-23 A	29-Mar-23	-223	813 Casing Installation (West)(P294-P239, 56nos@1.5nos./day/rig, 2rigs)																
MBRAF-2290	813 Casing Installation (West)(P338-P293, 45nos@1.5nos./day/rig, 1rigs)	22	30-Mar-23	28-Apr-23	-223	813 Casing Installation (West)(P338-P293, 45nos@1.5nos./day/rig, 1rigs)																
MBRAF-2280	Closing of 813mm pipe pile (West)	5	29-Apr-23	05-May-23	-223	Closing of 813mm pipe pile (West)																



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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	February				March				April				May				June
						28				29				30				31				32
						29	05	12	19	26	05	12	19	26	02	09	16	23	30	07	14	21
Sheetpile																						
MBRAF-2900	MBR - Mobilization of sheetpile	2	01-Mar-23	02-Mar-23	-150																	
MBRAF-2890	MBR - Sheet pile install (200m2, 90m2/day/rig, 1rig) early constructed sheetpile due to strut obstruction	3	03-Mar-23	06-Mar-23	-150																	
Kingpost and Working Platform																						
MBRAF-2510	MBR - Submit/Approve Method Statement for steel deck	24	01-Mar-23	28-Mar-23	-223																	
MBRAF-2270	MBR - Installation of king post by preboring (18nos., 2d/pile) for ELS	36	09-Mar-23*	24-Apr-23	-242																	
MBRAF-1540	MBR - Coring of A-tank bottom slab for king post installation & wells installation	25	21-Mar-23	22-Apr-23	-248																	
MBRAF-2090	MBR - Installation of king post by preboring (11nos., 2d/pile) (affected by existing A-tank) for ELS	22	01-Apr-23	02-May-23	-248																	
MBRAF-2480	MBR - Installation of king post by preboring (11nos., 2d/pile) for steel deck	22	25-Apr-23	20-May-23	-242																	
MBRAF-2470	MBR - Installation of king post by preboring (11nos., 2d/pile) (affected by existing A-tank) for steel deck	22	03-May-23	29-May-23	-248																	
MBRAF-2500	MBR - Installation of steel deck (west)	18	22-May-23	12-Jun-23	-216																	
Monitoring and Pumping																						
MBRAF-1460	MBR - Monitoring and pumping installation (Stage 1) (32 DWs, 29 OWs, 11 RWs, 13SP)	24	08-May-23	05-Jun-23	-248																	
MBR - ELS Excavation & Demolition stage 2																						
MBRAF-1440	MBR - Setup and Mobilization for ELS works	6	17-May-23	23-May-23	-228																	
Tertiary Treatment System (TTS)																						
TTS Foundation and ELS																						
Sheetpile																						
TTS-1010	TTS - Sheet Piles Install (4,255m2 @90m2/d)	36	22-Dec-22 A	25-Apr-23	-77																	
TTS-1860	TTS - Sheet Piles Install (1,418m2 @90m2/d) south portion after 1800dia outfall pipe diversion	16	26-Apr-23	15-May-23	-93																	
Kingpost and Working Platform																						
TTS-1890	TTS - Submit/Approve Method Statement for steel deck	24	29-Mar-23	29-Apr-23	-48																	
TTS-1530	TTS - Kingpost installation (preboring method) (11 nos., 2d/pile/rig, 1rig) for ELS	22	31-Mar-23	29-Apr-23	-58																	
TTS-1870	TTS - Kingpost installation (preboring method) (assume 34nos., 2d/pile/rig, 2rigs) for steel deck	34	02-May-23	10-Jun-23	-48																	
Bird Curtain																						
TTS-1840	TTS - Erect bird curtain and noise barrier onto as-constructed sheetpile (Type A)	21	12-Jan-23 A	16-Feb-23 A																		
TTS-1900	MBR & TTS - Erect bird curtain and noise barrier (Type C)	12	13-Feb-23 A	28-Feb-23 A																		
Monitoring and Pumping																						
TTS-1230	TTS - Monitoring and pumping installation	21	28-Apr-23	23-May-23	-93																	
TTS-1850	TTS - Pumping test	7	24-May-23	30-May-23	-114																	
Zone 3 Construction																						
Zone 3 North Portion (Z3N)																						
Demolition																						
Existing Sludge Thickening House (8, Air Floatation Thickener)																						
Z3S2-2030a	Demolition of Existing (8, Air Floatation Thickener) - Zone 3 superstructure (affected by Zone 2B Diversion)	11	28-Dec-22 A	04-Feb-23 A																		
Z3S2-3490	Excavate & Demolish Existing (8, Air Floatation Thickener) substructure by breaker	6	01-Apr-23*	12-Apr-23	-165																	
Z3S2-2030b	Excavate & Demolish Existing Sludge Thickening House pump pit (8) (affect Zone P2B piling) by breaker	12	13-Apr-23	26-Apr-23	-165																	
Z3S2-2030b10	Backfill Existing Sludge Thickening House pump pit (8) (affect Zone P2B piling)	4	27-Apr-23	02-May-23	-165																	
New Sludge Thickening Building (STB)																						
STB : Predrilling Works																						
Z3S3-3490	Environment GI (4 nos.) at Zone P2B	12	10-Feb-23 A	28-Feb-23 A																		
Z3S3-5130	Environment GI - Submit RAP Report to EPD	30	01-Mar-23	04-Apr-23	-132																	
STB : Driven H-pile																						
Batch 1																						
Z3S3-3370	STB - Submit to GEO (28d) (Batch 1)	28	01-Dec-22 A	01-Apr-23	76																	
Batch 2																						
Z3S3-3950	STB - Site Setup & Mobilization (Batch 2)	6	03-May-23	09-May-23	-165																	
Z3S3-3960	STB - Driven H-pile Zone P5 (remaining 6nos.) @40m/day, 1rig	8	10-May-23	18-May-23	-43																	
Z3S3-3970	STB - Driven H-pile Zone P2B (remaining 4nos.) @40m/day, 1rig	7	19-May-23	27-May-23	-43																	
STB : Foundation and ELS																						
STB : ELS																						
Z3S3-2180	STB - Sheetpile Installation (3,997m2 @90m2/d/rig, 1rig) (Stage 1)	46	03-Dec-22 A	19-Apr-23	-114																	
Z3S3-5140	STB - Sheetpile Installation (Stage 1) by preboring (Assumed 180holes, 1.5pile/day/rig, 2 rigs)	60	20-Feb-23 A	15-May-23	-98																	
Z3S3-3340	STB - Monitoring and pumping installation	20	08-May-23	31-May-23	-98																	
Utility Corridor (UC5) (Connect to STB)																						
UC5 : Predrilling Works																						
Z3S2-3390	UC/PP - Predrill UC&PP-PD1	6	05-Jan-23 A	10-Jan-23 A																		
UC5 : Foundation and ELS Works																						
Z3S2-3070	UC5 - UU diversion for sheetpile works	12	23-Dec-22 A	10-Mar-23	-115																	
Z3S2-3500	UC5 - Road Diversion for sheetpile works	10	11-Mar-23	22-Mar-23	-115																	
Z3S2-3580	UC5 - Site set-up and mobilization for sheetpile works	3	23-Mar-23	25-Mar-23	-115																	



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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	February				March				April				May				June
						28				29				30				31				32
						29	05	12	19	26	05	12	19	26	02	09	16	23	30	07	14	21
Z3S2-3080	UC5 - Sheetpile Installation (1,806m2 @90m2/d)	24	27-Mar-23	27-Apr-23	-115																	
Z3S2-3090	UC5 - Monitoring and pumping Installation	14	12-Apr-23	27-Apr-23	-115																	
Z3S2-3510	UC5 - Pumping test	7	28-Apr-23	06-May-23	-115																	
Z3S2-3100	UC5 - ELS, Excavation (+6.0 to +4.0mPD) (526m3, 200m3/d)	3	08-May-23	10-May-23	-115																	
Z3S2-3110	UC5 - ELS, Strut Installation S1 (+4.0mPD)	8	11-May-23	19-May-23	-115																	
Z3S2-3120	UC5 - Marine Sediments Treatment and Disposal	14	11-May-23	27-May-23	-102																	
Z3S2-3130	UC5 - ELS, Excavation (+4.0 to -0.5mPD) (1184m3, 200m3/d)	6	20-May-23	27-May-23	-115																	
Zone 3 South Portion (Z3S)																						
Sludge Digester No. 1-3 (SD1-3)																						
SD1-3 : Foundation and ELS																						
SD1-3 : Sheetpiling																						
Z3S3-2060	Sludge Digester No. 1-3 - Sheet Piles Install Portion 2 (4,636m2, 90m2/d/rig, 3rigs) by silent piler & vibrating hamn	54	19-Sep-22 A	09-May-23	-93																	
Z3S3-4810	Sludge Digester No. 1-3 - Kingpost by preboring (5nos. 325m @ 3d/pile)	15	10-May-23	27-May-23	-93																	
Z3S3-3350	Sludge Digester No. 1-3 - Monitoring and pumping installation	18	13-May-23	03-Jun-23	-93																	
Biogas Holder No. 1 (BH1)																						
BH1 : Foundation																						
Z3BH-1040	Biogas Holder No. 1 - Surcharge (concrete block placing and fill)	24	02-Jan-23 A	23-Feb-23 A																		
Z3BH-1050	Biogas Holder No. 1 - Consolidation *calendar day	30	24-Feb-23 A	27-Mar-23	-40																	
Z3BH-1140	Biogas Holder No. 1 - Verification drillhole (2nos., BH-VD4, BH-VD5)	8	28-Mar-23	06-Apr-23	-34																	
Z3BH-1150	Biogas Holder No. 1 - Remove surcharge	10	11-Apr-23	21-Apr-23	-34																	
Z3BH-1180	Biogas Holder No. 1 - Sheetpile (TL-11mPD, 976m2 @ 90m2/d, 1rig)	12	22-Apr-23	06-May-23	384																	
Z3BH-1190	Biogas Holder No. 1 - Excavation to +2.6mPD for base slab and founding inspection (2,000m3)	6	08-May-23	13-May-23	384																	
Z3BH-1160	Biogas Holder No. 1 - Plate load test BH-PLT1	10	15-May-23	25-May-23	384																	
Z3BH-1200	Biogas Holder No. 1 - Backfill 300mm thk rockfill	6	27-May-23	02-Jun-23	384																	
Utility Corridor and Pipe Portal (UC/PP)																						
Utility Corridor No. 1 (UC1)																						
UC1 : Predrilling Works																						
Z3S5UC1-2180	UC/PP - Predrill UC&PP-PD2	6	10-May-23	16-May-23	136																	
Z3S5UC1-2190	UC/PP - Predrill UC&PP-PD3	6	17-May-23	23-May-23	136																	
Z3S5UC1-2200	UC/PP - Predrill UC&PP-PD6	6	24-May-23	31-May-23	136																	
Zone 3 Middle Portion (Z3M)																						
Sludge Digester No. 4-6 (SD4-6)																						
SD4-6 : Foundation and ELS																						
Pre-drilling Works																						
Z3S8SD-1000	Sludge Digester No. 5-6 - Pre-drill (1 nos. SD-BH2)	14	27-Mar-23*	15-Apr-23	529																	
Z3S8SD-2020	Sludge Digester No. 4 - Pre-drill (1 no. SD-BH5)	14	17-Apr-23	03-May-23	529																	
Z3S8SD-2280	Sludge Digester No. 5-6 - Submit to GEO (28d)	28	17-Apr-23	19-May-23	716																	
Z3S8SD-2270	Sludge Digester No. 4 - Submit to GEO (28d)	28	04-May-23	31-May-23	875																	



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