

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	March				April				May				June				July		
						26	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	02
<b>YL Effluent Polishing Plant - Main Works Stage 1 - Detailed Works Programme DPv24</b>																								
<b>Contract Data Part 1</b>																								
<b>Access Dates</b>																								
ADWA2	Work Area WA2 (sd) (new site possession) validity for 12 months and subject to renewal	757	05-Mar-21 A	22-Feb-24*	1																			
ADP5	Portion 5 (sd+944d)	0	11-Jun-23*		0	◆ Portion 5 (sd+944d)																		
<b>Environmental Constraints</b>																								
EBS-2165	Egrets Breeding Season 2023	184	01-Mar-23 A	31-Aug-23	0																			
<b>Preliminary and Preparation Works</b>																								
<b>Subletting</b>																								
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	21-May-23	-105	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-Jun-23	376	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	13-May-23	-190	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	05-May-23	64	Subletting for Waterproofing membrane and protection board																		
SUB-360	Subletting for Rebar fixing	86	29-Nov-21 A	31-May-23	-190	Subletting for Rebar fixing																		
SUB-310	Subletting for Utilities Corridor ELS	60	08-Aug-22 A	10-May-23	-159	Subletting for Utilities Corridor ELS																		
SUB-290	Subletting for ABWF works for IW, PST, SDB, STB, MBR, TTB and admin. bldg	60	01-Apr-23	30-May-23	-58	Subletting for ABWF works for IW, PST, SDB, STB, MBR, TTB and admin. bldg																		
<b>Design Submission</b>																								
<b>Temporary Works Design</b>																								
<b>Mainstream Bio-Reactor System</b>																								
TWD-240	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	20-Jun-22 A	22-Apr-23	-249	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																		
TWD-250	ELS - Obtain Approval	7	23-Apr-23	29-Apr-23	1674	ELS - Obtain Approval																		
<b>Sludge Thickening Building</b>																								
<b>One-stage design</b>																								
TWD-210	ELS - Obtain Approval	7	10-Dec-22 A	19-Apr-23	80	ELS - Obtain Approval																		
<b>Tertiary Treatment System</b>																								
TWD-170	ELS - Obtain Approval	7	30-Dec-22 A	25-Apr-23	-79	ELS - Obtain Approval																		
<b>Sludge Digester 1-3 &amp; Utilities Corridor</b>																								
TWD-370	ELS - Obtain Approval	7	21-Dec-22 A	21-Apr-23	-135	ELS - Obtain Approval																		
<b>Sludge Digester 4-6</b>																								
TWD-460	ELS - Prepare & Submission for PM's review	45	22-Apr-23	05-Jun-23	568	ELS - Prepare & Submission for PM's review																		
TWD-470	ELS - Review by PM's & ICE review (28 d + 7d)	35	06-Jun-23	10-Jul-23	568	ELS - Review by PM's & ICE review (28 d + 7d)																		
<b>Sludge Dewatering and Underpass</b>																								
TWD-260	ELS - Prepare & Submission for PM's review	45	01-Apr-23	15-May-23	347	ELS - Prepare & Submission for PM's review																		
TWD-270	ELS - Review by PM's & ICE review (28 d + 7d)	35	16-May-23	19-Jun-23	347	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-Jun-23	03-Jul-23	347	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																		
<b>Modification of Existing Emergency Bypass Chamber</b>																								
TWD-660	ELS - Review by PM's & ICE review (28 d + 7d)	35	30-Dec-22 A	25-Apr-23	57	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-Apr-23	09-May-23	57	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																		
TWD-680	ELS - Obtain Approval	7	10-May-23	16-May-23	57	ELS - Obtain Approval																		
<b>Modification of Existing Inspection Chamber &amp; Inlet Effluent Pipes from NSWSPS</b>																								
TWD-700	ELS - Prepare & Submission for PM's review	45	26-Oct-22 A	25-Apr-23	27	ELS - Prepare & Submission for PM's review																		
TWD-710	ELS - Review by PM's & ICE review (28 d + 7d)	35	26-Apr-23	30-May-23	27	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	31-May-23	13-Jun-23	27	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																		
TWD-730	ELS - Obtain Approval	7	14-Jun-23	20-Jun-23	27	ELS - Obtain Approval																		
<b>Temporary pipework between PST Stage 1 and A-Tank Inlet [Temporary pumping system]</b>																								
TWD-750	Hydraulic design - Prep(45d), Sub.&Review(30d), Comment&Resub (14d) & Approval (7d)	96	01-Apr-23	05-Jul-23	28	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	01-May-23	04-Aug-23	28	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-May-23	03-Sep-23	48	ELS - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)																		
<b>Temporary pumping and pipeworks between existing Detritor and PST Stage 1 [Temp. pumping system]</b>																								
TWD-780	Hydraulic design - Prep(45d), Sub.&Review(30d), Comment&Resub (14d) & Approval (7d)	96	01-Apr-23	05-Jul-23	-43	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	01-May-23	04-Aug-23	-43	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-May-23	03-Sep-23	-23	ELS - Prep(45d), Sub.&Review(30d), Comment&Resub (14d) & Approval (7d)																		
<b>Temporary Traffic Arrangement at Wang Lok Street</b>																								
TWD-810	TTA - Engaga TTA Consultant	60	20-Dec-22 A	28-May-23	-102	TTA - Engaga TTA Consultant																		
TWD-820	TTA - Prepare/submit/review/approve TTA design and drawings to PM and TMLG	120	29-May-23	25-Sep-23	-102	TTA - Prepare/submit/review/approve TTA design and drawings to PM and TMLG																		
<b>Temporary Working Platform at ELS</b>																								
<b>Temporary Working Platform at AGS ELS</b>																								
TWD-900	Temp. Working Platform - AGS ELS - Review by PM's & ICE review (28 d + 7d)	35	14-Feb-23 A	26-Apr-23	-310	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	27-Apr-23	10-May-23	-310	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	11-May-23	17-May-23	-310	Temp. Working Platform - AGS ELS - Obtain Approval																		
<b>Temporary Working Platform at TTS ELS</b>																								



- 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. 29 - 3MRP (Mar 2023)

Project ID : DWPr24\_230418  
 Layout : DC201910 MPR29-3MRP  
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Monthly Progress Report - 3MRP			
Date	Revision	Checked	Approved
31-Mar-23	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	March					April				May				June				July	
						29					30				31				32				33	
						26	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	02
TWD-940	Temp. Working Platform - TTS ELS - Review by PM's & ICE review (28 d + 7d)	35	08-Feb-23 A	02-May-23	-84	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	03-May-23	16-May-23	-84	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	17-May-23	23-May-23	-84	Temp. Working Platform - TTS ELS - Obtain Approval																		
<b>Contractor's Permanent Works Design (include ATAL)</b>																								
<b>AIP</b>																								
<b>Package 3A - Plant Service Water</b>																								
AIP-520	E&M AIP Report for Plant Service Water - Resubmission for further review	45	20-Dec-21 A	19-Apr-23	0	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	20-Apr-23	26-Apr-23	0	E&M AIP Report for Plant Service Water - Obtain Approval																		
<b>Package 6A - Control &amp; Monitoring System</b>																								
AIP-200	Control & Monitoring System - Resubmission for further review	14	24-Jan-22 A	28-Apr-23	227	Control & Monitoring System - Resubmission for further review																		
AIP-620	Control & Monitoring System - Obtain Approval	7	29-Apr-23	05-May-23	227	Control & Monitoring System - Obtain Approval																		
<b>Package 22A - Sampling System of YLEPP</b>																								
AIP-930	Sampling System - Resubmission for further review	45	24-Dec-22 A	23-Apr-23	-66	Sampling System - Resubmission for further review																		
AIP-940	Sampling System - Obtain Approval	7	24-Apr-23	30-Apr-23	-66	Sampling System - Obtain Approval																		
<b>Package 23A - Security, Public Address and Communication System</b>																								
AIP-950	SPC - Prepare & Submission for PM's review	45	01-Jun-22 A	25-Apr-23	20	SPC - Prepare & Submission for PM's review																		
AIP-960	SPC - Review by PM's & ICE review (28 d + 7d)	45	26-Apr-23	09-Jun-23	20	SPC - Review by PM's & ICE review (28 d + 7d)																		
AIP-970	SPC - Resubmission for further review	45	10-Jun-23	24-Jul-23	20	SPC - Resubmission for further review																		
<b>DDA</b>																								
<b>Package 2 - Tertiary Treatment System</b>																								
DDA-170	Civil Req. for TTS (Foundation design) - Prepare(27d), Sub. & Review(45d), Comment & Resub.(14d), GEO(28d)&	121	13-Jun-21 A	30-May-23	86	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	27-Jun-23	30	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	30-May-23	161	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	24-Nov-23	161	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-Aug-23	93	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	23-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)	212	02-Jun-23*	30-Dec-23	125	Building Services (BS) for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																		
<b>Package 3 - Mainstream Bio-Reactor System</b>																								
DDA-260	Civil Req. for MBS-AGS (Foundation design) - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Ap	126	09-Jun-21 A	24-Apr-23	60	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	18-Sep-23	284	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	18-Sep-23	284	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	18-Sep-23	284	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	02-May-23	60	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	08-Aug-23	89	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	06-Sep-23	60	Civil & Structural for MBS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																		
DDA-1530	VCAB for AGS&TTS - Prepare (30d), Sub. & Review(30d)	234	25-Apr-23	14-Dec-23	273	VCAB for AGS&TTS - Prepare (30d), Sub. & Review(30d)																		
<b>Package 5A - Master Water Meter Room</b>																								
DDA-360	Foundation for Master WM Room- Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d),GEO(28d) & Ap	154	15-Feb-22 A	18-May-23	1	Foundation for Master WM Room- Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d),GEO(28d) & Ap																		
DDA-370	Civil & Struct. for WM Room- Prepare (90d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	156	15-Apr-22 A	14-Aug-23	1	Civil & Struct. for WM Room- Prepare (90d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																		
DDA-390	P&ID for MWMC - MBS (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	95	01-Apr-23	04-Jul-23	2	P&ID for MWMC - MBS (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																		
DDA-380	General Arrangement & Civil Req. for MWMC - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Ap	100	07-May-23	14-Aug-23	1	General Arrangement & Civil Req. for MWMC - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Ap																		
DDA-400	Mechanical for MWMC - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	100	26-May-23	02-Sep-23	2	Mechanical for MWMC - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																		
DDA-410	Electrical& Control for MWMC - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	100	26-May-23	02-Sep-23	2	Electrical& Control for MWMC - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																		
<b>Package 5B - Plant Service Water (PSW)</b>																								
DDA-1050	Civil Requirement Drawings - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	12-Jun-21 A	29-May-23	-33	Civil Requirement Drawings - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)																		
DDA-1040	Piping & Instrumentation Diagram (P&ID) - Prep(30d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	373	30-May-23	05-Jun-24	-33	Piping & Instrumentation Diagram (P&ID) - Prep(30d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)																		
DDA-1060	Electrical & Control for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	373	30-May-23	05-Jun-24	-33	Electrical & Control for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)																		
DDA-1070	Mechanical for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	373	30-May-23	05-Jun-24	-33	Mechanical for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)																		
<b>Package 6 - Sludge Thickening Chemical and Dosing System</b>																								
DDA-1120	P&ID for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	335	14-Aug-21 A	30-Sep-23	438	P&ID for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																		
DDA-440	Civil & Struct. for STCS, WGB & Guard Hse - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Ap	250	09-Nov-21 A	04-Jul-23	4	Civil & Struct. for STCS, WGB & Guard Hse - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Ap																		
DDA-440B	Civil Req. for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	300	15-Nov-21 A	27-May-23	564	Civil Req. for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																		
DDA-1130	Mechanical for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	340	15-Nov-21 A	30-Sep-23	438	Mechanical for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																		
DDA-1140	Electrical & Control for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	315	30-Nov-21 A	01-Nov-23	406	Electrical & Control for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																		
DDA-1520	Mechanical Ventilation and Air conditional System Design for Sludge Thickening Building (STB)	320	16-Jun-22 A	01-Nov-23	1488	Mechanical Ventilation and Air conditional System Design for Sludge Thickening Building (STB)																		
DDA-1510	Plumbing and Drainage System Design for Sludge Thickening Building (STB)	320	07-Jul-22 A	01-Nov-23	1488	Plumbing and Drainage System Design for Sludge Thickening Building (STB)																		
DDA-1500	Fire Services Design for Sludge Thickening Building (STB)	320	08-Jul-22 A	01-Nov-23	1488	Fire Services Design for Sludge Thickening Building (STB)																		
DDA-430	Found. for STCS, Waste Gas Burner & Guard Hse- Prepare(60d), Sub.&Review(45d), Comment & Resub.(14d),GEO(	126	29-Jun-23	01-Nov-23	998	Found. for STCS, Waste Gas Burner & Guard Hse- Prepare(60d), Sub.&Review(45d), Comment & Resub.(14d),GEO(																		
DDA-1150	Building Services for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	29-Jun-23	01-Nov-23	406	Building Services for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																		



- 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. 29 - 3MRP (Mar 2023)

Project ID : DWPr24\_230418  
 Layout : DC201910 MPR29-3MRP  
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Monthly Progress Report - 3MRP			
Date	Revision	Checked	Approved
31-Mar-23	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	March 29					April 30				May 31				June 32				July 33	
						26	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	02
<b>Package 7 - CLP Substation and 11kV Switchgear House</b>																								
DDA-470	Electrical System for all facilities - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	78	01-Jun-21 A	30-Apr-23	68	[Gantt Bar: Green from 01-Jun-21 to 30-Apr-23]																		
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-Apr-23	68	[Gantt Bar: Green from 01-Jun-21 to 30-Apr-23]																		
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-May-23	68	[Gantt Bar: Green from 03-Jun-21 to 30-May-23]																		
DDA-1160	Earthing & Lighting System Design Report - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	78	02-Jul-21 A	30-Apr-23	68	[Gantt Bar: Green from 02-Jul-21 to 30-Apr-23]																		
DDA-1450	VCAB, FSD & WSD Design Report - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	78	02-Jul-21 A	30-May-23	68	[Gantt Bar: Green from 02-Jul-21 to 30-May-23]																		
<b>Package 9 - Inlet Work (IW)</b>																								
DDA-1180	PID for Inlet Work - Prepare (30d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)	120	10-Jul-21 A	28-May-23	67	[Gantt Bar: Green from 10-Jul-21 to 28-May-23]																		
DDA-1170	Civil Req. Drawing for Inlet Work - Prepare (30d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)	82	04-Aug-21 A	28-Apr-23	-177	[Gantt Bar: Red from 04-Aug-21 to 28-Apr-23]																		
DDA-1190	Mechanical for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	120	09-Aug-21 A	30-Jun-23	34	[Gantt Bar: Green from 09-Aug-21 to 30-Jun-23]																		
DDA-1200	Electrical & Control for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	120	30-Oct-21 A	30-Jun-23	-16	[Gantt Bar: Green from 30-Oct-21 to 30-Jun-23]																		
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	-108	[Gantt Bar: Green from 30-Mar-22 to 30-Sep-23]																		
<b>Package 10 - Primary Sedimentation Tank (PST)</b>																								
DDA-1230	PID for PST - Prepare (46d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)	120	01-Jun-21 A	29-May-23	-22	[Gantt Bar: Green from 01-Jun-21 to 29-May-23]																		
DDA-1240	Mechanical for PST - Prepare (46d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)	120	01-Jun-21 A	29-May-23	221	[Gantt Bar: Green from 01-Jun-21 to 29-May-23]																		
DDA-1250	Electrical & Control for PST - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	48	31-Aug-21 A	29-May-23	221	[Gantt Bar: Green from 31-Aug-21 to 29-May-23]																		
DDA-1260	Building Services for PST - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	90	01-Oct-21 A	30-Jun-23	159	[Gantt Bar: Green from 01-Oct-21 to 30-Jun-23]																		
<b>Package 11 - Control and Monitoring System</b>																								
DDA-580	Power Quality & Energy Management System (PQEMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d)	130	02-Oct-21 A	30-Jun-23	55	[Gantt Bar: Green from 02-Oct-21 to 30-Jun-23]																		
DDA-550	Supervisory Control&Data Application (SCADA) System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	238	01-Apr-23	24-Nov-23	24	[Gantt Bar: Green from 01-Apr-23 to 24-Nov-23]																		
DDA-1280	Data Collection, Management, Analysis, & Model System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	238	01-Apr-23	24-Nov-23	24	[Gantt Bar: Green from 01-Apr-23 to 24-Nov-23]																		
DDA-1270	Gas Detection System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	91	01-May-23	30-Jul-23	334	[Gantt Bar: Green from 01-May-23 to 30-Jul-23]																		
<b>Package 12 - Chemical System for STB</b>																								
DDA-650	Chemical System for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	29-Jun-23	01-Nov-23	406	[Gantt Bar: Green from 29-Jun-23 to 01-Nov-23]																		
<b>Package 13 - Pipework System</b>																								
DDA-670	Pipeworks System for Primary Sedimentation Tanks (PST)- Prep(57d), Sub.&Review(45d), Comment&Resub(14d) & Approval (7d)	123	18-Sep-21 A	01-May-23	156	[Gantt Bar: Green from 18-Sep-21 to 01-May-23]																		
DDA-680	Pipeworks System for Biogas Holder (BH) - Prep(57d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	123	18-Sep-21 A	01-May-23	556	[Gantt Bar: Green from 18-Sep-21 to 01-May-23]																		
DDA-690	Pipeworks System for Sludge Dewatering Building (SDB) - Prep(60d),Sub.&Review(45d),Comment&Resub (14d) & Approval (7d)	126	18-Apr-23	21-Aug-23	156	[Gantt Bar: Green from 18-Apr-23 to 21-Aug-23]																		
DDA-700	Pipeworks System for Utility Corridor&Pipe Portal (UC/PP) - Prep(103d),Sub.&Review(45d),Comment&Resub(14d) & Approval (7d)	126	18-Apr-23	21-Aug-23	1040	[Gantt Bar: Green from 18-Apr-23 to 21-Aug-23]																		
DDA-1030	Pipeworks System for Sludge Digesters - Prep(60d),Sub.&Review(45d),Comment&Resub (14d) & Approval (7d)	126	18-Apr-23	21-Aug-23	156	[Gantt Bar: Green from 18-Apr-23 to 21-Aug-23]																		
<b>Package 14 - Sludge Anaerobic Digestion System (SDT)</b>																								
DDA-1300	PID for SDT - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	460	01-Jul-21 A	02-May-23	267	[Gantt Bar: Green from 01-Jul-21 to 02-May-23]																		
DDA-1320	Electrical & Control for SDT & UC/PP - Prepare (55d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	460	02-Jul-21 A	11-Dec-23	44	[Gantt Bar: Green from 02-Jul-21 to 11-Dec-23]																		
DDA-1290	Civil Req. Drawing for SDT - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	200	10-Jul-21 A	19-Oct-23	-68	[Gantt Bar: Red from 10-Jul-21 to 19-Oct-23]																		
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	116	[Gantt Bar: Green from 10-Jul-21 to 30-Sep-23]																		
DDA-1340	Civil Req. Drawing for UC/PP - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	580	10-Jul-21 A	15-May-23	928	[Gantt Bar: Green from 10-Jul-21 to 15-May-23]																		
<b>Package 15 - Biogas H2S Removal, Storage and Delivery System</b>																								
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	30-Jun-23	496	[Gantt Bar: Green from 13-Jul-21 to 30-Jun-23]																		
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	02-May-23	-49	[Gantt Bar: Red from 31-Aug-21 to 02-May-23]																		
DDA-1370	Mechanical for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d) & Approval (7d)	78	05-Oct-21 A	30-Jun-23	496	[Gantt Bar: Green from 05-Oct-21 to 30-Jun-23]																		
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	02-May-23	496	[Gantt Bar: Green from 07-Dec-21 to 02-May-23]																		
<b>Package 16 - Deodorization Unit System</b>																								
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	1676	[Gantt Bar: Green from 04-Mar-22 to 27-Apr-23]																		
DDA-1440	Mechanical for DOU No. 3 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d) & Approval (7d)	300	17-Jul-22 A	25-Sep-23	484	[Gantt Bar: Green from 17-Jul-22 to 25-Sep-23]																		
DDA-1430	Mechanical for DOU No. 2A and 2B - Prepare(28d),Sub& Review(28d),Comment&Resub(14d) & Approval (7d)	192	01-Apr-23	09-Oct-23	470	[Gantt Bar: Green from 01-Apr-23 to 09-Oct-23]																		
<b>Package 22 - Sampling System of YLEPP</b>																								
DDA-740	Sampling System for IW&PST - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	62	01-May-23	01-Jul-23	-66	[Gantt Bar: Red from 01-May-23 to 01-Jul-23]																		
<b>Package 23 - Security, Public Address and Communication System</b>																								
DDA-750	SPC sitewide ACS - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	98	29-May-23	03-Sep-23	20	[Gantt Bar: Green from 29-May-23 to 03-Sep-23]																		
<b>Package 24 - Administration Building (ADB)</b>																								
DDA-0960	Architectural for Administration Building (ADB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	01-Apr-23	04-Aug-23	235	[Gantt Bar: Green from 01-Apr-23 to 04-Aug-23]																		
<b>Design out of ATAL's Scope</b>																								
DDA-1540	Drainage systems at base slab / foundation levels - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	01-Apr-23	04-Aug-23	96	[Gantt Bar: Green from 01-Apr-23 to 04-Aug-23]																		
DDA-1560	Street fire hydrant system - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	01-Apr-23	04-Aug-23	96	[Gantt Bar: Green from 01-Apr-23 to 04-Aug-23]																		
DDA-1590	Motor-driven Entrance Gate - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	01-Apr-23	04-Aug-23	73	[Gantt Bar: Green from 01-Apr-23 to 04-Aug-23]																		
<b>Technical Submission</b>																								
<b>Environmental Submission (PS 34.12(4)(xx))</b>																								
SUBM-1150	Employment of specialists or consultants	60	06-May-23	04-Jul-23	1458	[Gantt Bar: Green from 06-May-23 to 04-Jul-23]																		
<b>Hazardous Area Classification and Fire Risk Assessment</b>																								
TS-1810	Hazardous Area Classification Assessment - Prep(60), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	126	20-Sep-21 A	05-May-23	117	[Gantt Bar: Green from 20-Sep-21 to 05-May-23]																		
TS-1820	Fire Risk Assessment - Prep(60), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	126	20-Sep-21 A	05-May-23	117	[Gantt Bar: Green from 20-Sep-21 to 05-May-23]																		



■ 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. 29 - 3MRP (Mar 2023)

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

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	March					April				May				June				July
						26	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25
<b>Factory Acceptance Test Plans</b>																							
SUBM-1090	Submit/review/approval Factory Acceptance Test Plans - Inlet pumps	120	01-Apr-23	29-Jul-23	34																		
SUBM-1100	Submit/review/approval Factory Acceptance Test Plans - Thickening centrifuges	120	01-Apr-23	29-Jul-23	396																		
SUBM-1110	Submit/review/approval Factory Acceptance Test Plans - Disc filter system	120	01-Apr-23	29-Jul-23	111																		
SUBM-1120	Submit/review/approval Factory Acceptance Test Plans - 11kV switchboards	120	01-Apr-23	29-Jul-23	-77																		
SUBM-1130	Submit/review/approval Factory Acceptance Test Plans - SCADA system	120	01-Apr-23	29-Jul-23	208																		
SUBM-1140	Employment of third-party independent surveyor for Factory Acceptance Tests	60	01-Apr-23	30-May-23	-77																		
<b>Operation and Maintenance (O&amp;M) Manuals and Installation Manuals (PS 34.20(11)(12)(13))</b>																							
<b>Inlet Works and Primary Sedimentation Tank</b>																							
SUBM-1070	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	05-Jan-23 A	25-May-23	-50																		
SUBM-1200	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft	60	26-May-23	24-Jul-23	97																		
<b>AGS and TTS system</b>																							
SUBM-1220	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	26-May-23	24-Jul-23	300																		
<b>Sludge Thickening System</b>																							
SUBM-1250	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	26-May-23	24-Jul-23	780																		
<b>Sludge Digestion System</b>																							
SUBM-1310	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	26-May-23	24-Jul-23	-30																		
<b>Biogas H2S Removal System</b>																							
SUBM-1280	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	26-May-23	24-Jul-23	-30																		
<b>Commissioning Plan and Procedures (PS34.20(10))</b>																							
SUBM-1080	Employment of HOKLAS laboratory for commissioning test	60	23-May-22 A	30-May-23	62																		
SUBM-1000	Submit/review/approval Commissioning Plan and Procedures - Early commissioning of IW	120	31-May-23	27-Sep-23	116																		
SUBM-1010	Submit/review/approval Commissioning Plan and Procedures - Early commissioning of PST	120	31-May-23	27-Sep-23	62																		
SUBM-1020	Submit/review/approval Commissioning Plan and Procedures - AGS	120	31-May-23	27-Sep-23	275																		
SUBM-1030	Submit/review/approval Commissioning Plan and Procedures - TTS	120	31-May-23	27-Sep-23	730																		
SUBM-1040	Submit/review/approval Commissioning Plan and Procedures - STB	120	31-May-23	27-Sep-23	775																		
SUBM-1050	Submit/review/approval Commissioning Plan and Procedures - SDT	120	31-May-23	27-Sep-23	377																		
SUBM-1060	Submit/review/approval Commissioning Plan and Procedures - Biogas system	120	31-May-23	27-Sep-23	709																		
<b>Material Submission, Procurement, Manufacturing and Delivery</b>																							
<b>Inlet Works</b>																							
PRE-210	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Screening system (fixed bar,coarse,fine)	300	16-Mar-21 A	31-Jul-23	14																		
PRE-700	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Inlet pumps (HF,LF,Drainage)	330	05-Jan-22 A	30-Aug-23	34																		
PRE-290	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Grit Trap and classifier	270	18-Feb-22 A	23-Dec-23	-90																		
PRE-280	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Conveyer and compactor	270	12-Apr-22 A	23-Dec-23	-32																		
PRE-330	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - DOU-01	330	26-May-22 A	03-Jan-24	-90																		
PRE-300	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - LALG	270	28-Jul-22 A	21-Nov-23	-100																		
PRE-310	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Penstocks and stoplogs	270	13-Sep-22 A	21-Nov-23	-100																		
PRE-320	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - MVAC-Ventilation Fan	211	10-Jan-23 A	23-Dec-23	-75																		
<b>Primary Sedimentation Tanks</b>																							
PRE-220	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Inclined plate settler	225	08-Dec-21 A	21-Aug-23	-66																		
PRE-380	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - LALG	180	25-Jul-22 A	21-Jun-23	-56																		
PRE-390	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Penstocks and stoplogs	270	13-Aug-22 A	18-Sep-23	-50																		
PRE-340	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Bottom scraper	255	08-Sep-22 A	19-Oct-23	32																		
PRE-350	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - IPS air scouring blower	255	27-Sep-22 A	07-Nov-23	-15																		
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	31-Jul-23	128																		
PRE-340a	Submit/Appoint manufacturer's representative for sludge bottom scraper (PS Cl. 35.26(7))	194	12-Oct-22 A	19-Oct-23	32																		
PRE-400	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Pipeworks and valves	194	15-Oct-22 A	31-Jul-23	5																		
<b>Biogas Holder</b>																							
PRE-270	Submit/Procure/Manufacture/Deliver Biogas Holding Tanks (membrane, steel tank and parts, instrumentation)	660	09-Jun-21 A	01-Jun-23	587																		
PRE-410	Submit/Procure/Manufacture/Deliver Waster Gas Burner	300	19-Aug-21 A	20-Oct-25	279																		
PRE-420	Submit/Procure/Manufacture/Deliver H2S Removal System	510	25-Feb-22 A	30-Apr-24	470																		
PRE-430	Submit/Procure/Manufacture/Deliver Biogas booster and transfer pumps	326	30-Dec-22 A	20-Feb-24	561																		
<b>Sludge Digester Tank</b>																							
PRE-750	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Flame Arresters	100	31-Oct-22 A	20-Jul-23	188																		
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	73																		
PRE-720	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Inspection Windows for Sludge Anaerobic System	365	18-Jan-23 A	20-Feb-24	63																		
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	63																		
PRE-710	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Pressure and Vacuum Relief Valves	300	01-Mar-23 A	28-Dec-23	28																		
PRE-740	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Telescopic Valve for Sludge Anaerobic Digestion Syste	262	10-Jun-23	26-Feb-24	28																		
<b>Sludge Thickening Building</b>																							
PRE-250	Submit/Procure/Manufacture/Deliver Sludge Thickening System - Thickening Centrifuges	360	12-Nov-21 A	15-Dec-23	396																		



- 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. 29 - 3MRP (Mar 2023)

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Date	Revision	Checked	Approved
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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	March					April				May				June				July		
						29					30				31				32				33		
						26	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	02	
PRE-500	Submit/Procure/Manufacture/Deliver Sludge Thickening System - Pump and jet mixer	300	07-Jan-22 A	22-Apr-24	267	[Gantt bar: 07-Jan-22 to 22-Apr-24]																			
PRE-510	Submit/Procure/Manufacture/Deliver Sludge Thickening System - LALG	256	28-Mar-23 A	22-Apr-24	267	[Gantt bar: 28-Mar-23 to 22-Apr-24]																			
PRE-480	Submit/Procure/Manufacture/Deliver Sludge Thickening System - Polymer preparation system	388	01-Apr-23*	22-Apr-24	233	[Gantt bar: 01-Apr-23 to 22-Apr-24]																			
PRE-520	Submit/Procure/Manufacture/Deliver Sludge Thickening System - MVAC	379	10-Apr-23*	22-Apr-24	267	[Gantt bar: 10-Apr-23 to 22-Apr-24]																			
PRE-490	Submit/Procure/Manufacture/Deliver Sludge Thickening System - DOU-03	302	26-Jun-23*	22-Apr-24	263	[Gantt bar: 26-Jun-23 to 22-Apr-24]																			
<b>Mainstream Bio-Reactor</b>																									
PRE-230	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - AGS system	480	09-Sep-22 A	03-Jul-24	-5	[Gantt bar: 09-Sep-22 to 03-Jul-24]																			
PRE-530	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Penstocks and stoplogs	345	31-Oct-22 A	03-Jul-24	51	[Gantt bar: 31-Oct-22 to 03-Jul-24]																			
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	[Gantt bar: 31-Oct-22 to 03-Jul-24]																			
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	-5	[Gantt bar: 18-Nov-22 to 03-Jul-24]																			
<b>Tertiary Treatment System</b>																									
PRE-610	Submit/Procure/Manufacture/Deliver TTS Equip. - Pumping system	495	19-Jul-22 A	05-Jul-24	111	[Gantt bar: 19-Jul-22 to 05-Jul-24]																			
PRE-600	Submit/Procure/Manufacture/Deliver TTS Equip. - UV disinfection system	510	08-Sep-22 A	05-Jul-24	111	[Gantt bar: 08-Sep-22 to 05-Jul-24]																			
PRE-240	Submit/Procure/Manufacture/Deliver TTS Equip. - Disc Filter	600	27-Sep-22 A	05-Jul-24	111	[Gantt bar: 27-Sep-22 to 05-Jul-24]																			
PRE-590	Submit/Procure/Manufacture/Deliver TTS Equip. - Chemical cleaning system	480	18-Nov-22 A	05-Jul-24	111	[Gantt bar: 18-Nov-22 to 05-Jul-24]																			
PRE-630	Submit/Procure/Manufacture/Deliver TTS Equip. - Penstocks and stoplogs	435	30-Nov-22 A	05-Jul-24	111	[Gantt bar: 30-Nov-22 to 05-Jul-24]																			
PRE-620	Submit/Procure/Manufacture/Deliver TTS Equip. - LALG	418	15-May-23*	05-Jul-24	111	[Gantt bar: 15-May-23 to 05-Jul-24]																			
<b>Electrical and Control System</b>																									
PRE-680	Submit/Procure/Manufacture/Deliver Electrical and Control System - SCADA and instrumentation	420	30-Apr-22 A	23-Jun-23	208	[Gantt bar: 30-Apr-22 to 23-Jun-23]																			
PRE-640	Submit/Procure/Manufacture/Deliver Electrical and Control System - HVSB and Tx	283	21-Dec-22 A	10-Jan-24	-77	[Gantt bar: 21-Dec-22 to 10-Jan-24]																			
PRE-650	Submit/Procure/Manufacture/Deliver Electrical and Control System - LVSB	300	21-Dec-22 A	23-Nov-23	-86	[Gantt bar: 21-Dec-22 to 23-Nov-23]																			
PRE-660	Submit/Procure/Manufacture/Deliver Electrical and Control System - UPS	300	21-Dec-22 A	04-Jan-24	-104	[Gantt bar: 21-Dec-22 to 04-Jan-24]																			
PRE-670	Submit/Procure/Manufacture/Deliver Electrical and Control System - Armoured Cable	203	21-Dec-22 A	24-Aug-24	-117	[Gantt bar: 21-Dec-22 to 24-Aug-24]																			
<b>Site Establishment Works</b>																									
<b>Portion 5 - Walkway</b>																									
P5-100	Portion 5 - Initial Survey and Record, Underground Utilities Detection	12	12-Jun-23	26-Jun-23	789	[Gantt bar: 12-Jun-23 to 26-Jun-23]																			
P5-110	Portion 5 - Installation of Water Barriers, Clearance, Haul Road and Temp Facilities	12	12-Jun-23	26-Jun-23	789	[Gantt bar: 12-Jun-23 to 26-Jun-23]																			
<b>Statutory Submission &amp; Approval</b>																									
<b>FSI, FSD and OP Requirements</b>																									
<b>FSI Submission &amp; Approval</b>																									
FSD-1040	Submission/Review/Approval by PM and FSD - Full GBP+GBP for TOP1 with DG - RTC & 2nd submission	120	28-Feb-23 A	29-Jul-23	-168	[Gantt bar: 28-Feb-23 to 29-Jul-23]																			
<b>WSD Submission &amp; Approval</b>																									
WSD-1000	WSD - Submit Form WWO542	0		31-Mar-23	37	[Milestone: 31-Mar-23]																			
WSD-1010	WSD - Form WWO542 PM&WSD review and approval	90	01-Apr-23	29-Jun-23	37	[Gantt bar: 01-Apr-23 to 29-Jun-23]																			
WSD-1020	WSD - Submit Form WWO46 Part 1 and 2	0		29-Jun-23	37	[Milestone: 29-Jun-23]																			
<b>EMSD Submission &amp; Approval</b>																									
<b>Biogas System (ATAL)</b>																									
<b>Phase 1</b>																									
ATAL-FS-0020	Form 105 for Biogas Holder Tank 1(Submission and Approval Period)	184	08-Nov-22 A	01-Dec-23	679	[Gantt bar: 08-Nov-22 to 01-Dec-23]																			
<b>EPD Submission &amp; Approval for VEP</b>																									
EPD-1000	EPD - VEP Review, prepare and submit to PM	60	01-Apr-23	30-May-23	198	[Gantt bar: 01-Apr-23 to 30-May-23]																			
EPD-1010	EPD - VEP RTC to PM and approval	28	31-May-23	27-Jun-23	198	[Gantt bar: 31-May-23 to 27-Jun-23]																			
EPD-1020	EPD - VEP Submission to DSD and EPD	28	28-Jun-23	25-Jul-23	198	[Gantt bar: 28-Jun-23 to 25-Jul-23]																			
<b>HAZOP Study</b>																									
<b>IW and PST</b>																									
HAZOP-Z1-020	HAZOP - Re-submission of Design / Installation methodology	20	01-Apr-23	20-Apr-23	-22	[Gantt bar: 01-Apr-23 to 20-Apr-23]																			
HAZOP-Z1-030	HAZOP - Obtain Approval	7	21-Apr-23	27-Apr-23	-22	[Gantt bar: 21-Apr-23 to 27-Apr-23]																			
<b>AGS System</b>																									
HAZOP-Z2-020	HAZOP - Re-submission of Design / Installation methodology	20	01-Apr-23	20-Apr-23	428	[Gantt bar: 01-Apr-23 to 20-Apr-23]																			
HAZOP-Z2-030	HAZOP - Obtain Approval	7	21-Apr-23	27-Apr-23	428	[Gantt bar: 21-Apr-23 to 27-Apr-23]																			
<b>TTS System</b>																									
HAZOP-Z2-40	HAZOP - Re-submission of Design / Installation methodology	20	01-Apr-23	20-Apr-23	372	[Gantt bar: 01-Apr-23 to 20-Apr-23]																			
HAZOP-Z2-50	HAZOP - Obtain Approval	7	21-Apr-23	27-Apr-23	372	[Gantt bar: 21-Apr-23 to 27-Apr-23]																			
<b>Biogas H2S Removal System</b>																									
HAZOP-Z3-020	HAZOP - Re-submission of Design / Installation methodology	20	01-Apr-23	20-Apr-23	560	[Gantt bar: 01-Apr-23 to 20-Apr-23]																			
HAZOP-Z3-030	HAZOP - Obtain Approval	7	21-Apr-23	27-Apr-23	560	[Gantt bar: 21-Apr-23 to 27-Apr-23]																			
<b>Sludge Thickening and Chemical System</b>																									
HAZOP-Z3-40	HAZOP - Re-submission of Design / Installation methodology	20	01-Apr-23	20-Apr-23	594	[Gantt bar: 01-Apr-23 to 20-Apr-23]																			
HAZOP-Z3-50	HAZOP - Obtain Approval	7	21-Apr-23	27-Apr-23	594	[Gantt bar: 21-Apr-23 to 27-Apr-23]																			
<b>Sludge Digestion System</b>																									
HAZOP-Z3-70	HAZOP - Re-submission of Design / Installation methodology	20	01-Apr-23	20-Apr-23	272	[Gantt bar: 01-Apr-23 to 20-Apr-23]																			



- Remaining Level of Eff...
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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	March					April					May					June					July
						26	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	02	33	
HAZOP-Z3-80	HAZOP - Obtain Approval	7	21-Apr-23	27-Apr-23	272																					
<b>DOU and PSW System</b>																										
HAZOP-Z3-100	HAZOP - Re-submission of Design / Installation methodology	20	01-Apr-23	20-Apr-23	372																					
HAZOP-Z3-110	HAZOP - Obtain Approval	7	21-Apr-23	27-Apr-23	372																					
<b>General Advance Works</b>																										
<b>NSWSPS Sensors</b>																										
ATALGA-1130	CMS - NSWSPS Sensor	51	11-Oct-22 A	04-May-23	48																					
ATALGA-1160	CGS - Method Statement for Installation	101	11-Oct-22 A	16-May-23	149																					
ATALGA-1170	Procurement & Delivery of Sensor	101	05-May-23	13-Aug-23	60																					
<b>Disc Filter (DF) Pilot Plant</b>																										
ATALGA-1190	T&C	22	22-Sep-22 A	26-Apr-23	345																					
<b>Dissolved Air Flotation (DAF) Pilot Plant</b>																										
ATALGA-1200	T&C	11	21-Jul-22 A	24-Apr-23	219																					
ATALGA-1220	Post-commissioning	128	25-Apr-23	25-Sep-23	219																					
<b>Aerobic Granular Sludge (AGS) Pilot Plant</b>																										
ATALGA-1210	Seeding, process start-up and T&C	52	16-Jun-22 A	24-Apr-23	219																					
ATALGA-1270	Post-commissioning	128	25-Apr-23	25-Sep-23	219																					
<b>Zone 1 Construction</b>																										
<b>Inlet Works (IW)</b>																										
<b>IW Foundation &amp; ELS Works</b>																										
<b>IW Basement</b>																										
<b>IW Excavation Works &amp; ELS</b>																										
<b>IW Zone A/D - ELS</b>																										
Z1-IW-6390	IW- Concrete Backing & Preload (Zone A/D 2nd Layer)	13	21-Mar-23 A	06-Apr-23	-152																					
Z1-IW-5800	IW- Excavation: 3rd Layer +1.0 ~ -1.625mPD (4,776m3) (3-4 excavators @ 300m3/d)	14	11-Apr-23	26-Apr-23	-131																					
Z1-IW-5810	IW- Strutting: 3rd Layer @-1.125mPD (10 welders @ 23ton/d)	14	27-Apr-23	13-May-23	-131																					
Z1-IW-6470	IW- Strutting: 3rd Layer concrete backing and preload (Zone A/D)	6	15-May-23	20-May-23	-131																					
Z1-IW-5820	IW- Excavation: 4th Layer -1.625 ~ -2.675 (ZoneD) / -3.38mPD (Zone A) (3,105m3) (3-4 excavators @ 500m3/d)	7	22-May-23	30-May-23	-131																					
<b>Modification of Zone A/D Strut</b>																										
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	14-Jul-23	-95																					
Z1-IW-6440	IW(A/D) - Method statement subm. for modify S1&2 (prep=30d,1st RtC=14d)	44	06-Jun-23	28-Jul-23	-95																					
<b>IW Zone C - ELS</b>																										
Z1-IW-5685	IW- Concrete Backing & Preload (2nd Layer)	5	01-Mar-23 A	11-Mar-23 A																						
Z1-IW-5690	IW- Excavation: 3rd Layer +1.0~-1.625mPD (5,704m3) (3-4 excavators @ 300m3/d)	17	13-Mar-23 A	15-Apr-23	-152																					
Z1-IW-5700	IW- Backprop installation with preload (10 welders @ 23ton/d)	7	07-Jun-23	14-Jun-23	-152																					
Z1-IW-6420	IW- Concrete Backing & Preload (3rd Layer)	4	15-Jun-23	19-Jun-23	-152																					
Z1-IW-5710	IW- Excavation to Formation -1.625~-3.125mPD (587m3) (2 excavators @ 120m3/d)	4	20-Jun-23	24-Jun-23	-152																					
<b>IW Base Slab</b>																										
Z1-IW-6070	IW- Zone C - Pile Cap @-1.625mpD (incl. earth mat installation)	42	17-Apr-23	06-Jun-23	-152																					
Z1-IW-6060	IW- Zone D - Pile Cap @-3.225mPD	22	31-May-23	26-Jun-23	-131																					
Z1-IW-6080	IW- Zone C - Pile Cap @-3.05mpD	22	26-Jun-23	21-Jul-23	-152																					
<b>IW Basement RC Works</b>																										
<b>IW Zone D early for PST delink *</b>																										
Z1-IW-6450	IW(D) - Wall Erection of Formworks and RC Works (-1.6 to +4.95mPD)	18	27-Jun-23	18-Jul-23	-110																					
<b>Primary Sedimentation Tank (PST)</b>																										
<b>PST Stage 1</b>																										
<b>Basement RC Works (North Portion)</b>																										
Z1-PST-4702	PST(S1) - Zone E3 - Base Slab RC Works (GL A-B, +2.95 to +5.65mPD)	5	01-Apr-23	11-Apr-23	-70																					
<b>PST Superstructure</b>																										
<b>Stage 1</b>																										
<b>RC Works</b>																										
<b>PST Stage 1 - GL A-E (PST channel and outlet channel)</b>																										
Z1-PST-3670	PST - RC Works for Wall and Intermediate Slab (GL A-E/4.5-6, +8.95mPD)	13	10-Feb-23 A	26-Apr-23	-70																					
Z1-PST-4682	PST - RC Works for Wal and Intermediate Slab (GL A-E/3-4.5, +8.95mPD)	13	10-Feb-23 A	03-May-23	-70																					
Z1-PST-3680	PST - RC Works for wall and 1/F slab (GL A-E, +8.95 to +11.75mPD)	18	04-May-23	24-May-23	-70																					
Z1-PST-3750	PST - RC Works for wall/column (GL A-E, +11.75 to +18.15mPD)	12	25-May-23	08-Jun-23	-69																					
Z1-PST-3760	PST - RC Works for roof slab (GL A-E, +11.75 to +18.15mPD) falsework sit on +11.8mPD	17	09-Jun-23	29-Jun-23	-69																					
<b>PST Stage 1 - GL E-H (PST channel)</b>																										
Z1-PST-4622	PST - RC Works for Intermediate Slab (GL E-H, +8.95mPD)	13	21-Mar-23 A	14-Apr-23	-55																					
Z1-PST-3710	PST - RC Works for wall and 1/F slab (GL E-H, +8.95 to +11.75mPD)	18	15-Apr-23	06-May-23	-55																					



- Remaining Level of Ef...
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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	March					April				May				June				July
						29					30				31				32				33
						26	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25
Z1-PST-4612	PST - RC Works for wall/column (GL E-H, +11.75 to +18.15mPD)	12	08-May-23	20-May-23	-54																		
Z1-PST-4602	PST - RC Works for roof slab (GL E-H, +11.75 to +18.15mPD)	17	22-May-23	10-Jun-23	-54																		
<b>Water Tightness Test for PST</b>																							
Z1-PST-3770	PST - Water Tightness Test 1 (PST channel 1&3)	25	25-May-23	18-Jun-23	-88																		
Z1-PST-3780	PST - Water Tightness Test 2 (PST channel 2&outlet)	25	19-Jun-23	13-Jul-23	-39																		
<b>PST ABWF, E&amp;M &amp; T&amp;C</b>																							
<b>PST Stage 1</b>																							
<b>PST Stage 1 - ABWF Works</b>																							
<b>PST1-3, Outlet channel</b>																							
PST-3115	PST Stage 1 - Screeding at PST1&3 (clearance&set-out=1d,screed(2 pours)=2d, joint=1d)	4	19-Jun-23	23-Jun-23	-69																		
PST-3095	PST Stage 1 - Lining at PST 1&3 (surface prep=1d,scaffold=1d,install=3d,testing=1d, clearance=1d)	7	24-Jun-23	03-Jul-23	-69																		
<b>CLP Substations No. 1 &amp; 2</b>																							
<b>Civil Provision for CLP (drawpits &amp; ductings)</b>																							
CLP-1270	Ducting and Drawpits construction	30	13-Dec-22 A	22-May-23	39																		
<b>CLP Substation No. 1</b>																							
CLP-1340	CLP Substation No.1 - E&M Installation and T&C - Electrical services	19	30-Jan-23 A	06-May-23	52																		
CLP-1460	CLP Substation No.1 - E&M Installation and T&C - MVAC	10	30-Jan-23 A	03-May-23	72																		
CLP-1470	CLP Substation No.1 - E&M Installation and T&C - FS	11	30-Jan-23 A	03-May-23	72																		
CLP-1560	CLP Substation No.1 - ABWF Works (not required for Section 1 completion)	38	13-Feb-23 A	17-May-23	55																		
CLP-1440	CLP Substation No.1 - Waterproofing and Testing	13	01-Apr-23*	20-Apr-23	55																		
CLP-1490	CLP Substation No.1 - E&M Installation and T&C - Crane beam	6	01-Apr-23	12-Apr-23	72																		
<b>CLP Substation No. 2</b>																							
CLP-1350	CLP Substation No.2 - E&M Installation and T&C - Electrical services	19	30-Jan-23 A	06-May-23	52																		
CLP-1520	CLP Substation No.2 - E&M Installation and T&C - MVAC	10	30-Jan-23 A	03-May-23	72																		
CLP-1530	CLP Substation No.2 - E&M Installation and T&C - FS	11	30-Jan-23 A	03-May-23	72																		
CLP-1550	CLP Substation No.2 - ABWF Works (not required for Section 1 completion)	35	13-Feb-23 A	17-May-23	55																		
CLP-1450	CLP Substation No.2 - Waterproofing and Testing	13	01-Apr-23*	20-Apr-23	55																		
CLP-1540	CLP Substation No.2 - E&M Installation and T&C - Crane beam	6	01-Apr-23	12-Apr-23	72																		
<b>CLP Substation No. 1 &amp; 2 Handover Inspection and Installation</b>																							
CLP-1140	CLP Substation 1 & 2 - Ready for Handover to CLP and Early Section 1 Completion (CLP pre-inspection)	0		20-Apr-23	55																		
CLP-1500	CLP Substation No.1 & 2 - Defect works	10	21-Apr-23	03-May-23	55																		
CLP-1510	CLP Substation No.1 & 2 - CLP final inspection and handover	0		03-May-23	55																		
CLP-1070	CLP Substation No.1 - CLP Installation	90	23-May-23	07-Sep-23	39																		
CLP-1080	CLP Substation No.2 - CLP Installation	90	23-May-23	07-Sep-23	39																		
<b>DSD 11kV Switchgear</b>																							
CLP-1060	DSD11KV Switchgear - BS and ABWF Works (excl. GRC Cladding Installation)	36	25-Feb-23 A	25-May-23	61																		
CLP-1110	DSD11KV Switchgear - Installation	51	27-May-23	27-Jul-23	61																		
<b>Sludge Dewatering Building (SDB)</b>																							
<b>SDB Foundation &amp; ELS - Stage 1</b>																							
<b>SDB Preliminaries for Foundation Works</b>																							
<b>Submission and Advanced Works for Early Piling</b>																							
SDB-1710	Prepare/submit/review/approve scheme with PM for early access for piling - 1st submission	24	14-Mar-23 A	02-May-23	239																		
SDB-1750	Prepare/submit/review/approve scheme with PM for early access for piling - resubmission	14	03-May-23	18-May-23	239																		
SDB-1760	Prepare/submit/review/approve scheme with DSD/ST1 for early access for piling - 1st submission	24	19-May-23	16-Jun-23	239																		
SDB-1770	Prepare/submit/review/approve scheme with DSD/ST1 for early access for piling - resubmission	14	17-Jun-23	05-Jul-23	239																		
<b>SDB GI - Pre-drilling Works</b>																							
<b>SDB At PST4 and Existing Road</b>																							
SDB-1080	PD21	12	28-Feb-23 A	18-Mar-23 A																			
SDB-1020	PD19	12	20-Mar-23 A	14-Apr-23	283																		
SDB-1010	PD10	12	01-Apr-23	19-Apr-23	279																		
SDB-1040	PD20	12	15-Apr-23	28-Apr-23	283																		
SDB-1250	PD6	12	20-Apr-23	04-May-23	279																		
SDB-1030	PD22	12	29-Apr-23	13-May-23	1356																		
SDB-1230	PD1	12	05-May-23	18-May-23	321																		
SDB-1350	PD4 w/ obstruction (PST4)	12	19-May-23	02-Jun-23	321																		
SDB-1360	PD5 w/ obstruction (PST4)	12	03-Jun-23	16-Jun-23	321																		
SDB-1290	PD7	12	17-Jun-23	03-Jul-23	1304																		
<b>Administration Building (ADB)</b>																							
<b>Temporary Admin Office and Control Room</b>																							
ADB-1040	Handover of Temp. Admin Office and Control Room	15	09-Mar-23 A	28-Mar-23 A																			



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

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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	March					April				May				June				July
						29					30				31				32				33
						26	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25
ADB-1020A40	Relocation of Admin Office (MiC)	15	09-Mar-23 A	28-Mar-23 A																			
ADB-1020A90	Completion of Admin Office (MiC)	0		28-Mar-23 A																			
<b>ADB Demolition</b>																							
ADB-1250	Relocation of Existing SCADA System of Admin Bldg (23) and Document Centre (24)	21	09-Mar-23 A	01-Apr-23	56																		
ADB-1060	Relocation of Central Control Room	30	01-Apr-23	11-May-23	337																		
ADB-1050	Demolition of Admin Bldg (23) and Document Centre (24)	20	03-Apr-23	29-Apr-23	56																		
ADB-1080	Demolition of Central Control Room (14)	35	12-May-23	23-Jun-23	337																		
<b>ADB Foundation Works</b>																							
<b>ADB Early Access for Predrilling</b>																							
ADB-1360	ADB - Predrill (3nos., 4days/no./rig, 1rig) (AB-PD3, PD8, PD11) (outside existing building footprint)	8	05-May-23	13-May-23	381																		
ADB-1390	ADB - Predrill (1no., 4days/no./rig, 1rig) (AB-PD1) (within CCR footprint)	4	24-Jun-23	28-Jun-23	344																		
<b>ADB Predrilling and Piling after Demolition</b>																							
ADB-1230	ADB - Monitoring Installation	21	29-Jun-23	24-Jul-23	419																		
<b>Zone 2 Construction</b>																							
<b>Demolition Works</b>																							
<b>Final Sedimentation Tanks</b>																							
Z2T-200	Demolition of Mixed Liquor Distribution and Sludge Draw-off Chamber (37) (to be demolished during excavation)	20	24-Jun-23	18-Jul-23	32																		
<b>Mainstream Bio-Reactor &amp; Auxiliary Facility (MBR and AF)</b>																							
<b>MBR and AF Structure</b>																							
<b>MBR - ELS Excavation &amp; Demolition stage 1</b>																							
<b>Pipe Pile</b>																							
<b>Eastern Side</b>																							
<b>Bird Curtain Modification Works</b>																							
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																			
<b>Northern Side</b>																							
<b>UU Diversion</b>																							
<b>Temporary Diversion of 1800dia. Outfall Pipe</b>																							
MBRAF-246	1800dia. outfall pipe div. - Submit/Approve Design	14	26-Jan-23 A	11-Apr-23	-246																		
MBRAF-245	1800dia. outfall pipe div. - Submit/Approve Method Statement	14	25-Feb-23 A	18-Apr-23	-239																		
MBRAF-244	1800dia. outfall pipe div. - Fabrication and delivery of MS pipe and steel hanger	14	08-Mar-23 A	13-Apr-23	-246																		
MBRAF-291	1800dia. outfall pipe diversion - Plant mobilization, site clearance and setup	10	18-Mar-23 A	13-Apr-23	-246																		
MBRAF-240	1800dia. outfall pipe diversion	30	14-Apr-23	19-May-23	-246																		
<b>Installation of 813mm casing</b>																							
MBRAF-2410	813 Casing Installation (North)(10nos.@ 1.5nos./day/rig, 1 rig) (after 1800dia. outfall pipe diversion)	7	20-May-23	29-May-23	-246																		
MBRAF-2100	Closing of 813mm pipe pile (South, East and North Sides)	10	30-May-23	09-Jun-23	-246																		
<b>Western Side</b>																							
<b>UU Diversion / Roadworks</b>																							
MBRAF-2220	CLP 11kV (From Blower House) Diversion	13	28-Sep-22 A	26-Apr-23	-237																		
MBRAF-2790	EVA Re-provision (at PST4)	12	09-Feb-23 A	21-Feb-23 A																			
MBRAF-2920	Sheet pile and grouting (remedial measure for 900dia pipe settlement)	14	02-Mar-23 A	10-Mar-23 A																			
<b>Installation of 813mm casing</b>																							
MBRAF-2260	813 Casing Installation (West)(P294-P239, 56nos@1.5nos./day/rig, 2rigs)	26	13-Feb-23 A	25-Apr-23	-236																		
MBRAF-2290	813 Casing Installation (West)(P338-P293, 45nos@1.5nos./day/rig, 1rigs)	22	27-Apr-23	23-May-23	-237																		
MBRAF-2280	Closing of 813mm pipe pile (West)	5	24-May-23	30-May-23	-237																		
<b>Sheetpile</b>																							
MBRAF-2900	MBR - Mobilization of sheetpile	2	25-May-23	27-May-23	-212																		
MBRAF-2890	MBR - Sheet pile install (200m2, 90m2/day/rig, 1rig) early constructed sheetpile due to strut obstruction	3	29-May-23	31-May-23	-212																		
<b>Kingpost and Working Platform</b>																							
MBRAF-2510	MBR - Submit/Approve Method Statement for steel deck	24	10-Mar-23 A	11-Apr-23	-225																		
MBRAF-1540	MBR - Coring of A-tank bottom slab for king post installation & wells installation	25	01-Apr-23	05-May-23	-252																		
MBRAF-2270	MBR - Installation of king post by preboring (18nos., 2d/pile) for ELS	36	12-Apr-23*	24-May-23	-261																		
MBRAF-2090	MBR - Installation of king post by preboring (11nos., 2d/pile) (affected by existing A-tank) for ELS	22	18-Apr-23	13-May-23	-252																		
MBRAF-2470	MBR - Installation of king post by preboring (11nos., 2d/pile) (affected by existing A-tank) for steel deck	22	15-May-23	09-Jun-23	-252																		
MBRAF-2480	MBR - Installation of king post by preboring (11nos., 2d/pile) for steel deck	22	25-May-23	20-Jun-23	-261																		
MBRAF-2490	MBR - Installation of steel deck (east)	18	10-Jun-23	03-Jul-23	-226																		
MBRAF-2500	MBR - Installation of steel deck (west)	18	21-Jun-23	13-Jul-23	-235																		
<b>Monitoring and Pumping</b>																							
MBRAF-1460	MBR - Monitoring and pumping installation (Stage 1) (85nos., 1.5nos./d/rig, 2rigs)	29	24-May-23	28-Jun-23	-261																		
MBRAF-2430	MBR - Pumping test (Stage 1)	12	29-Jun-23	10-Jul-23	-327																		
<b>MBR - ELS Excavation &amp; Demolition stage 2</b>																							
MBRAF-1440	MBR - Setup and Mobilization for ELS works	6	10-Jun-23	16-Jun-23	-242																		



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

## 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	March					April				May				June				July	
						26	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	02
<b>Teritary Treatment System (TTS)</b>																								
<b>TTS Foundation and ELS</b>																								
<b>Sheetpile</b>																								
TTS-1010	TTS - Sheet Piles Install (4,255m2 @90m2/d)	36	22-Dec-22 A	24-May-23	-101	TTS - Sheet Piles Install (4,255m2 @90m2/d)																		
TTS-1860	TTS - Sheet Piles Install (1,418m2 @90m2/d) south portion after 1800dia outfall pipe diversion	16	20-May-23	08-Jun-23	-113	TTS - Sheet Piles Install (1,418m2 @90m2/d)																		
<b>Kingpost and Working Platform</b>																								
TTS-1890	TTS - Submit/Approve Method Statement for steel deck	24	02-May-23	30-May-23	-72	TTS - Submit/Approve Method Statement for steel deck																		
TTS-1530	TTS - Kingpost installation (preboring method) (11 nos., 2d/pile/rig, 1rig) for ELS	22	04-May-23	30-May-23	-82	TTS - Kingpost installation (preboring method)																		
TTS-1870	TTS - Kingpost installation (preboring method) (assume 34nos., 2d/pile/rig, 2rigs) for steel deck	34	31-May-23	11-Jul-23	-72	TTS - Kingpost installation (preboring method)																		
<b>Bird Curtain</b>																								
TTS-1900	MBR & TTS - Erect bird curtain and noise barrier (Type C)	12	13-Feb-23 A	28-Feb-23 A		MBR & TTS - Erect bird curtain and noise barrier (Type C)																		
<b>Monitoring and Pumping</b>																								
TTS-1230	TTS - Monitoring and pumping installation (58nos., 1.5nos./d/rig, 2rigs)	20	24-May-23	16-Jun-23	-113	TTS - Monitoring and pumping installation																		
TTS-1850	TTS - Pumping test	7	17-Jun-23	23-Jun-23	-138	TTS - Pumping test																		
<b>TTS Foundation and ELS Stage 2</b>																								
TTS-1020	TTS - ELS Excavation (+5.0 to +3.65mPD) (7,645m3)(3-4 excavators/WF, 2 WFs, 400m3/d/WF)	10	24-Jun-23	06-Jul-23	-112	TTS - ELS Excavation																		
<b>Zone 3 Construction</b>																								
<b>Zone 3 North Portion (Z3N)</b>																								
<b>Demolition</b>																								
<b>Existing Sludge Thickening House (8, Air Floatation Thickener)</b>																								
Z3S2-3590	ELS for Sludge Thickening House pump pit (8) - sheetpile	7	06-Apr-23*	17-Apr-23	-186	ELS for Sludge Thickening House pump pit (8) - sheetpile																		
Z3S2-3600	ELS for Sludge Thickening House pump pit (8) - ELS (7m deep, 3 layers strut)	10	18-Apr-23	28-Apr-23	-186	ELS for Sludge Thickening House pump pit (8) - ELS (7m deep, 3 layers strut)																		
Z3S2-2030b	Demolish Existing Sludge Thickening House pump pit (8) (affect Zone P2B piling & sheetpile) by core & lift	16	29-Apr-23	18-May-23	-186	Demolish Existing Sludge Thickening House pump pit (8) (affect Zone P2B piling & sheetpile)																		
Z3S2-2030d	Backfill Existing Sludge Thickening House pump pit (8) (affect Zone P2B piling & sheetpile)	4	19-May-23	23-May-23	-186	Backfill Existing Sludge Thickening House pump pit (8) (affect Zone P2B piling & sheetpile)																		
<b>New Sludge Thickening Building (STB)</b>																								
<b>STB : Predrilling Works</b>																								
Z3S3-3490	Environment GI (4 nos.) at Zone P2B	12	10-Feb-23 A	28-Feb-23 A		Environment GI (4 nos.) at Zone P2B																		
Z3S3-5130	Environment GI - Submit RAP Report to EPD	30	01-Apr-23	11-May-23	-162	Environment GI - Submit RAP Report to EPD																		
<b>STB : Driven H-pile</b>																								
<b>Batch 2</b>																								
Z3S3-3950	STB - Site Setup & Mobilization (Batch 2)	6	24-May-23	31-May-23	-186	STB - Site Setup & Mobilization (Batch 2)																		
Z3S3-3960	STB - Driven H-pile Zone P5 (remaining 6nos.) @40m/day, 1rig	8	01-Jun-23	09-Jun-23	-65	STB - Driven H-pile Zone P5 (remaining 6nos.) @40m/day, 1rig																		
Z3S3-3740	STB - Plant Demobilization from Zone P5 and P2B	5	10-Jun-23	15-Jun-23	-120	STB - Plant Demobilization from Zone P5 and P2B																		
Z3S3-3970	STB - Driven H-pile Zone P2B (remaining 4nos.) @40m/day, 1rig	7	10-Jun-23	17-Jun-23	-65	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	19-Jun-23	23-Jun-23	-65	STB - Driven H-pile Zone P2B (3nos. additional piles (PMI204)) @40m/day, 1rig																		
Z3S3-5150	STB - Pile Load Test (Batch 2)	12	24-Jun-23	08-Jul-23	-126	STB - Pile Load Test (Batch 2)																		
Z3S3-5240	STB - Driven H-pile for tower crane (4nos., 1d/pile/rig, 1rig)	5	24-Jun-23	29-Jun-23	-94	STB - Driven H-pile for tower crane (4nos., 1d/pile/rig, 1rig)																		
<b>STB : Foundation and ELS</b>																								
<b>STB : ELS</b>																								
<b>Sheetpile and Preboring</b>																								
Z3S3-2180	STB - Sheetpile Installation (3,997m2 @90m2/d/rig, 1rig) (Stage 1)	46	03-Dec-22 A	02-May-23	-163	STB - Sheetpile Installation (3,997m2 @90m2/d/rig, 1rig) (Stage 1)																		
Z3S3-5140	STB - Sheetpile Installation (Stage 1) by preboring (Assumed 180holes, 1.5pile/day/rig, 2 rigs)	60	20-Feb-23 A	27-May-23	-92	STB - Sheetpile Installation (Stage 1) by preboring (Assumed 180holes, 1.5pile/day/rig, 2 rigs)																		
Z3S3-3800	STB - Sheetpile Installation (remaining after demolition)	9	24-May-23	03-Jun-23	-181	STB - Sheetpile Installation (remaining after demolition)																		
<b>Monitoring and Pumping</b>																								
Z3S3-3340	STB - Monitoring and pumping installation at south (10nos., 1.5nos./d/rig, 1rig)	7	19-May-23	27-May-23	-92	STB - Monitoring and pumping installation at south (10nos., 1.5nos./d/rig, 1rig)																		
<b>Utility Corridor (UC5) (Connect to STB)</b>																								
<b>UC5 : Foundation and ELS Works</b>																								
Z3S2-3500	UC5 - Road Diversion for sheetpile works	10	07-Mar-23 A	24-Mar-23 A		UC5 - Road Diversion for sheetpile works																		
Z3S2-3580	UC5 - Site set-up and mobilization for sheetpile works	3	25-Mar-23 A	28-Mar-23 A		UC5 - Site set-up and mobilization for sheetpile works																		
Z3S2-3080	UC5 - Sheetpile Installation (1,806m2 @90m2/d) assume prebore not required	24	29-Mar-23 A	20-May-23	-128	UC5 - Sheetpile Installation (1,806m2 @90m2/d) assume prebore not required																		
Z3S2-3090	UC5 - Monitoring and pumping Installation (pumping test not required)	14	13-May-23	30-May-23	-128	UC5 - Monitoring and pumping Installation (pumping test not required)																		
Z3S2-3100	UC5 - ELS, Excavation (+6.0 to +4.0mPD) (526m3, 200m3/d)	3	31-May-23	02-Jun-23	-128	UC5 - ELS, Excavation (+6.0 to +4.0mPD)																		
Z3S2-3110	UC5 - ELS, Strut Installation S1 (+4.0mPD)	8	03-Jun-23	12-Jun-23	-128	UC5 - ELS, Strut Installation S1 (+4.0mPD)																		
Z3S2-3120	UC5 - Marine Sediments Treatment and Disposal	14	03-Jun-23	19-Jun-23	-115	UC5 - Marine Sediments Treatment and Disposal																		
Z3S2-3130	UC5 - ELS, Excavation (+4.0 to -0.5mPD) (1184m3, 200m3/d)	6	13-Jun-23	19-Jun-23	-128	UC5 - ELS, Excavation (+4.0 to -0.5mPD)																		
Z3S2-3140	UC5 - ELS, Strut Installation S2 (0mPD)	8	20-Jun-23	29-Jun-23	-128	UC5 - ELS, Strut Installation S2 (0mPD)																		
<b>Zone 3 South Portion (Z3S)</b>																								
<b>Sludge Digester No. 1-3 (SD1-3)</b>																								
<b>SD1-3 : Foundation and ELS</b>																								
<b>SD1-3 : Sheetpiling</b>																								
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	01-Jun-23	-107	Sludge Digester No. 1-3 - Sheet Piles Install Portion 2 (4,636m2, 90m2/d/rig, 3rigs) by silent piler & vibrating hamn																		



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

## 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	March					April				May				June				July				
						29					30				31				32				33				
						26	05	12	19	26	02	09	16	23	30	07	14	21	28	04	11	18	25	02			
Z3S3-4810	Sludge Digester No. 1-3 - Kingpost by preboring (5nos. 325m @ 3d/pile)	15	02-Jun-23	19-Jun-23	-107																						
Z3S3-3350	Sludge Digester No. 1-3 - Monitoring and pumping installation (42nos., 1.5nos./d/rig, 2rigs)	14	10-Jun-23	27-Jun-23	-107																						
Z3S3-5100	Sludge Digester No. 1-3 - Pumping test	7	28-Jun-23	06-Jul-23	-107																						
<b>Biogas Holder No. 1 (BH1)</b>																											
<b>BH1 : Foundation</b>																											
Z3BH-1050	Biogas Holder No. 1 - Consolidation *calendar day	30	24-Feb-23 A	22-Apr-23	-98																						
Z3BH-1140	Biogas Holder No. 1 - Verification drillhole (2nos., BH-VD4, BH-VD5)	8	24-Mar-23 A	22-Apr-23	-74																						
Z3BH-1150	Biogas Holder No. 1 - Remove surcharge	10	24-Apr-23	05-May-23	-74																						
Z3BH-1180	Biogas Holder No. 1 - Sheetpile (TL-11mPD, 976m2 @ 90m2/d, 1rig)	12	06-May-23	19-May-23	-74																						
Z3BH-1190	Biogas Holder No. 1 - Excavation to +2.6mPD for base slab and founding inspection (2,000m3)	6	20-May-23	27-May-23	-74																						
Z3BH-1160	Biogas Holder No. 1 - Plate load test BH-PLT1	10	29-May-23	08-Jun-23	-74																						
Z3BH-1200	Biogas Holder No. 1 - Backfill 300mm thk rockfill	6	09-Jun-23	15-Jun-23	-74																						
Z3BH-1010	Biogas Holder No. 1 - 800 Thick Base Slab and retaining wall up to +6mPD	40	16-Jun-23	03-Aug-23	-74																						
<b>Utility Corridor and Pipe Portal (UC/PP)</b>																											
<b>Utility Corridor No. 1 (UC1)</b>																											
<b>UC1 : Predrilling Works</b>																											
Z3S5UC1-2180	UC/PP - Predrill UC&PP-PD2	6	02-Jun-23	08-Jun-23	117																						
Z3S5UC1-2190	UC/PP - Predrill UC&PP-PD3	6	09-Jun-23	15-Jun-23	117																						
Z3S5UC1-2200	UC/PP - Predrill UC&PP-PD6	6	16-Jun-23	23-Jun-23	117																						
<b>Utility Corridor No. 2 (UC2)</b>																											
<b>UC2 : Predrilling Works</b>																											
Z3S2-2240	UC/PP - Predrill UC&PP-PD4	6	24-Jun-23	30-Jun-23	713																						
<b>Zone 3 Middle Portion (Z3M)</b>																											
<b>Sludge Digester No. 4-6 (SD4-6)</b>																											
<b>SD4-6 : Foundation and ELS</b>																											
<b>Pre-drilling Works</b>																											
Z3S8SD-1000	Sludge Digester No. 5-6 - Pre-drill (1 nos. SD-BH2)	14	01-Apr-23*	21-Apr-23	524																						
Z3S8SD-2020	Sludge Digester No. 4 - Pre-drill (1 no. SD-BH5)	14	22-Apr-23	09-May-23	524																						



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

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