

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	September					October				November				December				January	
						23					24				25				26				27	
						28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01
YL Effluent Polishing Plant - Main Works Stage 1 - Detailed Works Programme DPv18																								
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																			
Contract Section Completion																								
CSC1	Section 1- Civil, Structural and Architectural works of CLP Substations No. 1 & 2 (for CLP install.)	0		07-Oct-22*	0	◆ Section 1- Civil, Structural and Architectural works of CLP Substations No. 1 & 2 (for CLP install.)																		
Environmental Constraints																								
NMM-2155	PS 1.105A Noise Mitigation Measures 2022-2023	151	01-Nov-22*	31-Mar-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		30-Nov-22*	-54	◆ Section 1 - Civil, Structural and Architectural works of CLP Substations No. 1 & 2 (for CLP install.)																		
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-Nov-22	-63	Subletting for ELS works for IW, PST, SDB, STB, SD, MBB, TTB, underpass and open cut for admin. bldg																		
SUB-280	Subletting for RC works for IW, PST, SDB, STB, SD, Biogas holder, underpass and admin. bldg	256	29-Nov-21 A	12-Nov-22	-121	Subletting for RC works for IW, PST, SDB, STB, SD, Biogas holder, underpass and admin. bldg																		
SUB-290	Subletting for ABWF works for IW, PST, SDB, STB, MBR, TTB and admin. bldg	60	13-Nov-22	11-Jan-23	-56	Subletting for ABWF works for IW, PST, SDB, STB, MBR, TTB and admin. bldg																		
SUB-310	Subletting for Utilities Corridor ELS	60	08-Aug-22 A	09-Nov-22	-119	Subletting for Utilities Corridor ELS																		
SUB-350	Subletting for Waterproofing membrane and protection board	300	29-Nov-21 A	25-Dec-22	85	Subletting for Waterproofing membrane and protection board																		
SUB-380	Subletting for Sheet piling works for remaining areas	333	12-Oct-21 A	11-Dec-22	591	Subletting for Sheet piling works for remaining areas																		
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	14-Oct-22	-94	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																		
TWD-250	ELS - Obtain Approval	7	10-Oct-22	16-Oct-22	-51	ELS - Obtain Approval																		
TWD-520	ELS - Submit to GEO (Dewatering Proposal)	28	17-Oct-22	13-Nov-22	-51	ELS - Submit to GEO (Dewatering Proposal)																		
Sludge Thickening Building																								
TWD-200	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	26-May-22 A	12-Oct-22	-108	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																		
TWD-210	ELS - Obtain Approval	7	13-Oct-22	19-Oct-22	-108	ELS - Obtain Approval																		
TWD-540	ELS - Submit to GEO (Dewatering Proposal)	28	13-Oct-22	09-Nov-22	-76	ELS - Submit to GEO (Dewatering Proposal)																		
Tertiary Treatment System																								
TWD-150	ELS - Review by PM's & ICE review (28 d + 7d)	35	10-Jun-22 A	15-Oct-22	-86	ELS - Review by PM's & ICE review (28 d + 7d)																		
TWD-160	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	16-Oct-22	29-Oct-22	-86	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																		
TWD-170	ELS - Obtain Approval	7	30-Oct-22	05-Nov-22	-59	ELS - Obtain Approval																		
TWD-550	ELS - Submit to GEO (Dewatering Proposal)	28	30-Oct-22	26-Nov-22	-80	ELS - Submit to GEO (Dewatering Proposal)																		
Sludge Digester 1-3 & Utilities Corridor																								
TWD-360	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	21-Jun-22 A	14-Oct-22	-119	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																		
TWD-370	ELS - Obtain Approval	7	15-Oct-22	21-Oct-22	-79	ELS - Obtain Approval																		
TWD-560	ELS - Submit to GEO (Dewatering Proposal)	28	15-Oct-22	11-Nov-22	-82	ELS - Submit to GEO (Dewatering Proposal)																		
Sludge Digester 4-6																								
TWD-460	ELS - Prepare & Submission for PM's review	45	22-Oct-22	05-Dec-22	608	ELS - Prepare & Submission for PM's review																		
TWD-470	ELS - Review by PM's & ICE review (28 d + 7d)	35	06-Dec-22	09-Jan-23	608	ELS - Review by PM's & ICE review (28 d + 7d)																		
Sludge Dewatering and Underpass																								
TWD-260	ELS - Prepare & Submission for PM's review	45	30-Oct-22	13-Dec-22	533	ELS - Prepare & Submission for PM's review																		
TWD-270	ELS - Review by PM's & ICE review (28 d + 7d)	35	14-Dec-22	17-Jan-23	533	ELS - Review by PM's & ICE review (28 d + 7d)																		
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	22-Oct-22	63	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	23-Oct-22	29-Oct-22	63	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	13-Oct-22	375	Control & Monitoring System - Resubmission for further review																		
AIP-620	Control & Monitoring System - Obtain Approval	7	14-Oct-22	20-Oct-22	375	Control & Monitoring System - Obtain Approval																		
Package 7A - Building Services System																								
AIP-240	BS System - Resubmission for further review	14	28-Mar-22 A	10-Oct-22	401	BS System - Resubmission for further review																		
AIP-250	BS System - Obtain Approval	7	11-Oct-22	17-Oct-22	401	BS System - Obtain Approval																		
Package 22A - Sampling System of YLEPP																								
AIP-910	Sampling System - Prepare & Submission for PM's review	45	05-Aug-22 A	11-Oct-22	287	Sampling System - Prepare & Submission for PM's review																		
AIP-920	Sampling System - Review by PM's & ICE review (28 d + 7d)	35	12-Oct-22	15-Nov-22	287	Sampling System - Review by PM's & ICE review (28 d + 7d)																		
AIP-930	Sampling System - Resubmission for further review	45	16-Nov-22	30-Dec-22	287	Sampling System - Resubmission for further review																		
Package 23A - Security, Public Address and Communication System																								



- 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. 23 - 3MRP (Sep 2022)

Project ID : DWPr18_221016
 Layout : DC201910 MPR23-3MRP
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Monthly Progress Report - 3MRP			
Date	Revision	Checked	Approved
30-Sep-22	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	September					October					November					December					January
						23					24					25					26					27
						28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01		
AIP-950	SPC - Prepare & Submission for PM's review	45	01-Jun-22 A	20-Oct-22	278	SPC - Prepare & Submission for PM's review																				
AIP-960	SPC - Review by PM's & ICE review (28 d + 7d)	45	21-Oct-22	04-Dec-22	278	SPC - Review by PM's & ICE review (28 d + 7d)																				
AIP-970	SPC - Resubmission for further review	45	05-Dec-22	18-Jan-23	278	SPC - Resubmission for further review																				
DDA																										
Package 1A - Hydraulic Detailed Design Approval (DDA) Report																										
DDA-1480	Hydraulic Detailed Design Approval - Resubmission for further review	45	25-Mar-22 A	26-Oct-22	187	Hydraulic Detailed Design Approval - Resubmission for further review																				
DDA-1490	Hydraulic Detailed Design Approval - Obtain Approval	7	27-Oct-22	02-Nov-22	187	Hydraulic Detailed Design Approval - Obtain Approval																				
Package 1B - General Notes and Typical Details Drawings for Civil, Structural and Geotechnical																										
DDA-1080	Contractor's Design for General Architecture, Civil, Structural & Geotechnical - Submit to GEO for comment and approval	28	28-Oct-22	24-Nov-22	57	Contractor's Design for General Architecture, Civil, Structural & Geotechnical - Submit to GEO for comment and approval																				
DDA-120	Contractor's Design for General Architecture, Civil, Structural & Geotechnical - Resubmission for further review	45	25-Mar-22 A	27-Oct-22	57	Contractor's Design for General Architecture, Civil, Structural & Geotechnical - Resubmission for further review																				
DDA-130	Contractor's Design for General Architecture, Civil, Structural & Geotechnical - Obtain Approval	7	18-Nov-22	24-Nov-22	57	Contractor's Design for General Architecture, Civil, Structural & Geotechnical - Obtain Approval																				
Package 2 - Tertiary Treatment System																										
DDA-140	Architectural for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	25-Nov-22	30-Mar-23	57	Architectural for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																				
DDA-150	Foundation for TTS - Prepare (90d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d), GEO (28d)	213	08-Oct-21 A	11-Mar-23	-55	Foundation for TTS - Prepare (90d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d), GEO (28d)																				
DDA-160	Civil & Structural for TTS - Prepare (120d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	187	25-Nov-22	30-May-23	-55	Civil & Structural for TTS - Prepare (120d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																				
DDA-170	Civil Req. for TTS (Foundation design) - Prepare(27d), Sub. & Review(45d),Comment & Resub.(14d), GEO(28d)&	121	13-Jun-21 A	13-Oct-22	174	Civil Req. for TTS (Foundation design) - Prepare(27d), Sub. & Review(45d),Comment & Resub.(14d), GEO(28d)&																				
DDA-180	Civil Req. for TTS (Superstruct. design) - Prepare (147d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	213	11-Oct-21 A	09-Dec-22	296	Civil Req. for TTS (Superstruct. design) - Prepare (147d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																				
DDA-190	P&ID for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	213	31-Dec-21 A	27-Feb-23	296	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	27-Feb-23	296	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	27-Feb-23	296	Electrical& Control for TTS - Prepare (60d), 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)	126	30-Oct-22	04-Mar-23	291	Building Services (BS) for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																				
Package 3 - Mainstream Bio-Reactor System																										
DDA-240	Foundation for MBS - Prepare (97d), Sub. & Review(45d), Comment & Resub.(14d),GEO (28d)& Approval (7d)	230	18-Mar-22 A	10-Apr-23	46	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)	180	18-Dec-22	15-Jun-23	-20	Civil & Structural for MBS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																				
DDA-260	Civil Req. for MBS-AGS (Foundation design) - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	09-Jun-21 A	10-Nov-22	-28	Civil Req. for MBS-AGS (Foundation design) - 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) & Approval (7d)	126	01-Mar-22 A	17-Dec-22	-20	Civil Req. for MBS-AGS (Superstruct. design) - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																				
DDA-280	P&ID for MBS (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	08-Oct-21 A	07-Dec-22	115	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	07-Dec-22	399	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	114	Electrical& Control 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)	324	29-Oct-22	17-Sep-23	115	Building Services (BS) for MBS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																				
Package 5A - Master Water Meter Cabinet																										
DDA-360	Foundation for Master WM Cabinet- Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d),GEO(28d)& Approval (7d)	154	15-Feb-22 A	20-Dec-22	46	Foundation for Master WM Cabinet- Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d),GEO(28d)& Approval (7d)																				
DDA-370	Civil & Struct. for WM Cabinet- Prepare (90d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	156	15-Apr-22 A	16-Jan-23	46	Civil & Struct. for WM Cabinet- Prepare (90d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																				
DDA-380	General Arrangement & Civil Req. for MWMC - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	21-Dec-22	25-Apr-23	133	General Arrangement & Civil Req. for MWMC - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																				
DDA-390	P&ID for MWMC - MBS (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	12-Nov-22	17-Mar-23	46	P&ID for MWMC - MBS (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																				
Package 5B - Plant Service Water (PSW)																										
DDA-1040	Piping & Instrumentation Diagram (P&ID) - Prep(30d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	354	30-Oct-22	18-Oct-23	63	Piping & Instrumentation Diagram (P&ID) - Prep(30d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)																				
DDA-1050	Civil Requirement Drawings - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	12-Jun-21 A	28-Jan-23	118	Civil Requirement Drawings - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)																				
DDA-1060	Electrical & Control for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	30-Oct-22	04-Mar-23	63	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)	354	30-Oct-22	18-Oct-23	63	Mechanical for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)																				
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	474	P&ID 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	15-Jul-23	571	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	27-Jul-23	854	Electrical & Control for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																				
DDA-1500	Fire Services Design for Sludge Thickening Building (STB)	320	08-Jul-22 A	15-Jul-23	571	Fire Services Design for Sludge Thickening Building (STB)																				
DDA-1510	Plumbing and Drainage System Design for Sludge Thickening Building (STB)	320	07-Jul-22 A	15-Jul-23	571	Plumbing and Drainage System Design for Sludge Thickening Building (STB)																				
DDA-1520	Mechanical Ventilation and Air conditional System Design for Sludge Thickening Building (STB)	320	16-Jun-22 A	15-Jul-23	571	Mechanical Ventilation and Air conditional System Design for Sludge Thickening Building (STB)																				
DDA-440	Civil & Struct. for STCS, WGB & Guard Hse - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	250	09-Nov-21 A	31-Jan-23	24	Civil & Struct. for STCS, WGB & Guard Hse - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																				
DDA-440B	Civil Req. for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	300	15-Nov-21 A	22-Feb-23	617	Civil Req. for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																				
Package 7 - CLP Substation and 11kV Switchgear House																										
DDA-1160	Earthing & Lighting System Design Report - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	78	02-Jul-21 A	05-Oct-22	-57	Earthing & Lighting System Design Report - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)																				
DDA-1450	VCAB, FSD & WSD Design Report - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	78	02-Jul-21 A	24-Oct-22	-57	VCAB, FSD & WSD Design Report - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)																				
DDA-470	Electrical System for all facilities - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	78	01-Jun-21 A	16-Oct-22	-57	Electrical System for all facilities - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)																				
DDA-480	UPS System for CLP Sub. & 11kV Switchgear Hse - Prepare (102d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	168	03-Jun-21 A	17-Oct-22	-33	UPS System for CLP Sub. & 11kV Switchgear Hse - Prepare (102d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																				
DDA-490	BS for CLP Sub. & 11kV Switchgear Hse - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	78	01-Jun-21 A	16-Oct-22	-33	BS for CLP Sub. & 11kV Switchgear Hse - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)																				
Package 8 - Advance Works and SCADA Relocation																										
DDA-500	Mechanical for Advance Works - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	78	22-May-21 A	10-Oct-22	5	Mechanical for Advance Works - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																				
DDA-520	BS for Advance Works - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	78	04-May-21 A	10-Oct-22	5	BS for Advance Works - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																				
DDA-530	E&M for Advance Works - SCADA Relocation - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	76	24-Jun-21 A	08-Oct-22	5	E&M for Advance Works - SCADA Relocation - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																				
Package 9 - Inlet Work (IW)																										
DDA-1170	Civil Req. Drawing for Inlet Work - Prepare (30d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)	82	04-Aug-21 A	24-Oct-22	94	Civil Req. Drawing for Inlet Work - Prepare (30d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)																				
DDA-1180	PID for Inlet Work - Prepare (30d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)	120	10-Jul-21 A	10-Dec-22	94	PID for Inlet Work - Prepare (30d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)																				



- Remaining Level of Effort
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- ◆ 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	September					October					November					December					January
						23					24					25					26					27
						28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01		
DDA-1190	Mechanical for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	120	09-Aug-21 A	10-Dec-22	94	[Gantt bar: 09-Aug-21 to 10-Dec-22]																				
DDA-1200	Electrical & Control for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	120	30-Oct-21 A	10-Dec-22	94	[Gantt bar: 30-Oct-21 to 10-Dec-22]																				
DDA-1210	Building Services for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	76	30-Mar-22 A	10-Dec-22	207	[Gantt bar: 30-Mar-22 to 10-Dec-22]																				
Package 10 - Primary Sedimentation Tank (PST)																										
DDA-1220	Civil Req. Drawing for PST - Prepare (46d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)	98	01-Jun-21 A	10-Oct-22	-5	[Gantt bar: 01-Jun-21 to 10-Oct-22]																				
DDA-1230	PID for PST - Prepare (46d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)	120	01-Jun-21 A	21-Nov-22	-5	[Gantt bar: 01-Jun-21 to 21-Nov-22]																				
DDA-1240	Mechanical for PST - Prepare (46d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)	120	01-Jun-21 A	21-Nov-22	-5	[Gantt bar: 01-Jun-21 to 21-Nov-22]																				
DDA-1250	Electrical & Control for PST - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	48	31-Aug-21 A	21-Nov-22	-5	[Gantt bar: 31-Aug-21 to 21-Nov-22]																				
DDA-1260	Building Services for PST - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	90	01-Oct-21 A	21-Nov-22	-5	[Gantt bar: 01-Oct-21 to 21-Nov-22]																				
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	31-Dec-22	96	[Gantt bar: 02-Oct-21 to 31-Dec-22]																				
Package 13 - Pipework System																										
DDA-1030	Pipeworks System for Sludge Digesters - Prep(60d),Sub.&Review(45d),Comment&Resub (14d)&Approval (7d)	126	18-Oct-22	20-Feb-23	132	[Gantt bar: 18-Oct-22 to 20-Feb-23]																				
DDA-670	Pipeworks System for Primary Sedimentation Tanks (PST) - Prep(57d), Sub.&Review(45d), Comment&Resub(14d)	123	18-Sep-21 A	31-Oct-22	97	[Gantt bar: 18-Sep-21 to 31-Oct-22]																				
DDA-680	Pipeworks System for Biogas Holder (BH) - Prep(57d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	123	18-Sep-21 A	31-Oct-22	97	[Gantt bar: 18-Sep-21 to 31-Oct-22]																				
DDA-690	Pipeworks System for Sludge Dewatering Building (SDB) - Prep(60d),Sub.&Review(45d),Comment&Resub (14d) & Approval (7d)	126	18-Oct-22	20-Feb-23	132	[Gantt bar: 18-Oct-22 to 20-Feb-23]																				
DDA-700	Pipeworks System for Utility Corridor&Pipe Portal (UC/PP) - Prep(103d),Sub.&Review(45d),Comment&Resub(14d)	126	18-Oct-22	20-Feb-23	462	[Gantt bar: 18-Oct-22 to 20-Feb-23]																				
Package 14 - Sludge Anaerobic Digestion System (SDT)																										
DDA-1290	Civil Req. Drawing for SDT - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	200	10-Jul-21 A	31-Mar-23	-74	[Gantt bar: 10-Jul-21 to 31-Mar-23]																				
DDA-1300	PID for SDT - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	460	01-Jul-21 A	10-Nov-23	-74	[Gantt bar: 01-Jul-21 to 10-Nov-23]																				
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	-74	[Gantt bar: 10-Jul-21 to 10-Nov-23]																				
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	-74	[Gantt bar: 02-Jul-21 to 10-Nov-23]																				
DDA-1340	Civil Req. Drawing for UC/PP - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	580	10-Jul-21 A	01-Mar-24	32	[Gantt bar: 10-Jul-21 to 01-Mar-24]																				
Package 15 - Biogas H2S Removal, Storage and Delivery System																										
DDA-1350	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)	78	31-Aug-21 A	19-Oct-22	-31	[Gantt bar: 31-Aug-21 to 19-Oct-22]																				
DDA-1360	PID for Biogas H2S Removal, Storage and Delivery System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)	75	13-Jul-21 A	08-Dec-22	59	[Gantt bar: 13-Jul-21 to 08-Dec-22]																				
DDA-1370	Mechanical for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval	78	05-Oct-21 A	08-Dec-22	59	[Gantt bar: 05-Oct-21 to 08-Dec-22]																				
DDA-1380	Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Ap	243	31-Oct-22	30-Jun-23	-31	[Gantt bar: 31-Oct-22 to 30-Jun-23]																				
DDA-1390	Building Services for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&App	243	31-Oct-22	30-Jun-23	266	[Gantt bar: 31-Oct-22 to 30-Jun-23]																				
DDA-1400	Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Ap	78	07-Dec-21 A	16-Oct-22	-31	[Gantt bar: 07-Dec-21 to 16-Oct-22]																				
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	08-Oct-22	392	[Gantt bar: 03-Sep-21 to 08-Oct-22]																				
DDA-1420	Mechanical for DOU No. 1 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78	04-Mar-22 A	10-Dec-22	392	[Gantt bar: 04-Mar-22 to 10-Dec-22]																				
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	575	[Gantt bar: 17-Jul-22 to 15-Jul-23]																				
Package 19 - Elevated Walkways																										
DDA-710	Civil & Structural for Elevated Walkways - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d), C	124	30-Nov-22*	02-Apr-23	892	[Gantt bar: 30-Nov-22 to 02-Apr-23]																				
Building Services																										
DDA-590	BS for Inlet Works (IW) - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	31-Aug-21 A	04-Nov-22	243	[Gantt bar: 31-Aug-21 to 04-Nov-22]																				
DDA-600	BS for Sludge Thickening Building (STB) - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approv	126	31-Aug-21 A	04-Nov-22	444	[Gantt bar: 31-Aug-21 to 04-Nov-22]																				
DDA-610	BS for Primary Sedimentation Tanks (PST) - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Appr	126	30-Sep-21 A	04-Dec-22	323	[Gantt bar: 30-Sep-21 to 04-Dec-22]																				
DDA-620	BS for Biogas Holder (BH) - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	31-Aug-21 A	04-Nov-22	93	[Gantt bar: 31-Aug-21 to 04-Nov-22]																				
Technical Submission																										
Inlet Works (IW)																										
TS-890	PID - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	03-Sep-21 A	23-Oct-22	9	[Gantt bar: 03-Sep-21 to 23-Oct-22]																				
TS-900	Equipment Loading Summary - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	03-Sep-21 A	23-Oct-22	9	[Gantt bar: 03-Sep-21 to 23-Oct-22]																				
TS-910	General Arrangement Drawing - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	30-May-21 A	26-Oct-22	139	[Gantt bar: 30-May-21 to 26-Oct-22]																				
TS-920	Civil Requirement Drawings (Superstructure) - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	30-May-21 A	26-Oct-22	139	[Gantt bar: 30-May-21 to 26-Oct-22]																				
Primary Sedimentation Tank (PST)																										
TS-930	Equipment Loading Summary - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	03-Sep-21 A	23-Oct-22	9	[Gantt bar: 03-Sep-21 to 23-Oct-22]																				
TS-940	PID - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	03-Sep-21 A	06-Nov-22	9	[Gantt bar: 03-Sep-21 to 06-Nov-22]																				
TS-950	General Arrangement Drawing - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	01-Oct-22	05-Dec-22	9	[Gantt bar: 01-Oct-22 to 05-Dec-22]																				
TS-960	Civil Requirement Drawings (Superstructure) - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	01-Oct-22	05-Dec-22	9	[Gantt bar: 01-Oct-22 to 05-Dec-22]																				
Sludge Thickening Building (STB)																										
TS-820	Architectural for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Appr	126	01-Jun-21 A	19-Oct-22	10	[Gantt bar: 01-Jun-21 to 19-Oct-22]																				
TS-830	Found. for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d), GEO(28d)	154	01-Jun-21 A	19-Oct-22	104	[Gantt bar: 01-Jun-21 to 19-Oct-22]																				
TS-840	Civil & Structural for Sludge Thickening Bldg (STB) - Prep(27d), Sub.&Review(45d), Comment&Resub (14d) & App	93	14-Nov-22	14-Feb-23	10	[Gantt bar: 14-Nov-22 to 14-Feb-23]																				
TS-850	General Arrangement & Civil Req. Drawings for STB - Prep(27d), Sub.&Review(45d), Comment&Resub (14d) & App	93	14-Nov-22	14-Feb-23	12	[Gantt bar: 14-Nov-22 to 14-Feb-23]																				
TS-970	PID - Prep(27d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	93	14-Nov-22	14-Feb-23	10	[Gantt bar: 14-Nov-22 to 14-Feb-23]																				
TS-980	Equipment Loading Summary - Prep(27d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	93	14-Nov-22	14-Feb-23	60	[Gantt bar: 14-Nov-22 to 14-Feb-23]																				
Sludge Digesters (SD)																										
TS-1030	PID - Prep(60d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	126	25-Sep-21 A	04-Nov-22	297	[Gantt bar: 25-Sep-21 to 04-Nov-22]																				
TS-1040	Equipment Loading Summary - Prep(60d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	126	25-Sep-21 A	04-Nov-22	297	[Gantt bar: 25-Sep-21 to 04-Nov-22]																				



- 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. 23 - 3MRP (Sep 2022)

Project ID : DWPr18_221016
 Layout : DC201910 MPR23-3MRP
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Monthly Progress Report - 3MRP			
Date	Revision	Checked	Approved
30-Sep-22	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	September					October				November				December				January	
						23					24				25				26				27	
						28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01
ATALGA-1200	T&C	11	21-Jul-22 A	15-Oct-22	267	T&C																		
ATALGA-1220	Post-commissioning	144	17-Oct-22	17-Apr-23	267																			
Aerobic Granular Sludge (AGS) Pilot Plant																								
ATALGA-1210	Seeding, process start-up and T&C	52	16-Jun-22 A	15-Oct-22	272	Seeding, process start-up and T&C																		
ATALGA-1270	Post-commissioning	139	17-Oct-22	11-Apr-23	272																			
Zone 1 Construction																								
Inlet Works (IW)																								
IW Foundation & ELS Works																								
IW Basement																								
IW Excavation Works & ELS																								
IW Zone A/D- ELS																								
Z1-IW-5770	IW- Strutting: 1st Layer @+4.0mPD	10	15-Aug-22 A	29-Oct-22	-101	IW- Strutting: 1st Layer @+4.0mPD																		
Z1-IW-5780	IW- Excavation: 2nd Layer +3.5 ~ 1.0mPD	5	31-Oct-22	04-Nov-22	-101	IW- Excavation: 2nd Layer +3.5 ~ 1.0mPD																		
Z1-IW-5790	IW- Strutting: 2nd Layer @+1.5mPD	10	05-Nov-22	16-Nov-22	-101	IW- Strutting: 2nd Layer @+1.5mPD																		
Z1-IW-5800	IW- Excavation: 3rd Layer +1.0 ~ - 1.625mPD	8	17-Nov-22	25-Nov-22	-101	IW- Excavation: 3rd Layer +1.0 ~ - 1.625mPD																		
Z1-IW-5810	IW- Strutting: 3rd Layer @-1.125mPD	10	26-Nov-22	07-Dec-22	-101	IW- Strutting: 3rd Layer @-1.125mPD																		
Z1-IW-5820	IW- Excavation: 4th Layer -1.625 ~ -3.38mPD	7	08-Dec-22	15-Dec-22	-101	IW- Excavation: 4th Layer -1.625 ~ -3.38mPD																		
IW Zone C - ELS																								
Z1-IW-5670	IW- Excavation: 2nd layer +3.5~+1.0mPD	9	26-Sep-22 A	12-Oct-22	-95	IW- Excavation: 2nd layer +3.5~+1.0mPD																		
Z1-IW-5680	IW- Strutting: 2nd Layer @+2.50mPD	10	13-Oct-22	24-Oct-22	-95	IW- Strutting: 2nd Layer @+2.50mPD																		
Z1-IW-5690	IW- Excavation: 3rd Layer +1.0~-1.625mPD	10	25-Oct-22	04-Nov-22	-95	IW- Excavation: 3rd Layer +1.0~-1.625mPD																		
Z1-IW-5700	IW- Backprop installation	7	29-Nov-22	06-Dec-22	-95	IW- Backprop installation																		
Z1-IW-5710	IW- Excavation to Formation -1.625~-3.125mPD	5	07-Dec-22	12-Dec-22	-95	IW- Excavation to Formation -1.625~-3.125mPD																		
IW Base Slab																								
Z1-IW-6060	IW- Zone D - Pile Cap @-3.225mPD	27	16-Dec-22	19-Jan-23	-101	IW- Zone D - Pile Cap @-3.225mPD																		
Z1-IW-6070	IW- Zone C - Pile Cap @-1.625mPD	20	05-Nov-22	28-Nov-22	-95	IW- Zone C - Pile Cap @-1.625mPD																		
Z1-IW-6080	IW- Zone C - Pile Cap @-3.05mPD	27	13-Dec-22	16-Jan-23	-95	IW- Zone C - Pile Cap @-3.05mPD																		
Primary Sedimentation Tank (PST)																								
PST Stage 1																								
Basement RC Works (Stage 1 - Southern Portion)																								
Southern Trench (Zone B)																								
Z1-PST-3630	PST(S1) - Install Reprops R1	3	27-Oct-22	29-Oct-22	-101	PST(S1) - Install Reprops R1																		
Z1-PST-3640	PST(S1) - Wall Erection of Formworks and RC Works (Ground Level)	10	15-Oct-22	26-Oct-22	-101	PST(S1) - Wall Erection of Formworks and RC Works (Ground Level)																		
Z1-PST-3800	PST(S1) - Removal of S1	2	28-Sep-22 A	14-Oct-22	-101	PST(S1) - Removal of S1																		
Northern Trench (Zone E1)																								
Z1-PST-3620	PST(S1) - Base Slab & Wall Erection of Formworks and RC Works (-1.125 mPD)	9	12-Sep-22 A	12-Oct-22	-68	PST(S1) - Base Slab & Wall Erection of Formworks and RC Works (-1.125 mPD)																		
Z1-PST-4240	PST(S1) - Removal of S1	2	13-Oct-22	14-Oct-22	-63	PST(S1) - Removal of S1																		
Z1-PST-4260	PST(S1) - Wall Erection of Formworks and RC Works (Ground Level)	6	15-Oct-22	21-Oct-22	-63	PST(S1) - Wall Erection of Formworks and RC Works (Ground Level)																		
Excavation Works (North Portion), (Excavation Volume: 3,840m3)																								
Z1-PST-4180	PST(S1) - Excavation F.E.L. Level (+1.875 mPD) (3,840m3, 1000m3/day) after stage 2 piling	8	28-Oct-22	05-Nov-22	-68	PST(S1) - Excavation F.E.L. Level (+1.875 mPD) (3,840m3, 1000m3/day) after stage 2 piling																		
Basement RC Works (North Portion)																								
Z1-PST-4190	PST(S1) - Base Slab & Wall Erection of Formworks and RC Works (+3.00 mPD) after stage 2 piling	14	07-Nov-22	22-Nov-22	-68	PST(S1) - Base Slab & Wall Erection of Formworks and RC Works (+3.00 mPD) after stage 2 piling																		
Z1-PST-4200	PST(S1) - Wall Erection of Formworks and RC Works (Ground Level) after stage 2 piling	6	23-Nov-22	29-Nov-22	-68	PST(S1) - Wall Erection of Formworks and RC Works (Ground Level) after stage 2 piling																		
PST Stage 2 of Works																								
PST Foundation - Stage 2 (At Remaining 2 Tanks, PST 5-6 Footprint)																								
Z1-PST-3980	PST Stage 2 - Pile Loading Test (Batch 2 PST: 75nos.+8 nos. of piles at TX1+Additional Piles)	13	13-Oct-22	27-Oct-22	-68	PST Stage 2 - Pile Loading Test (Batch 2 PST: 75nos.+8 nos. of piles at TX1+Additional Piles)																		
Z1-PST-4230	PST Stage 2 - Submit to GEO (28d)	28	20-Oct-22	16-Nov-22	117	PST Stage 2 - Submit to GEO (28d)																		
PST Stage 2a Basement Construction Works																								
Excavation Works																								
Z1-PST-4302	PST Stage 2a - Excavation Level (+1.875 mPD) (4,656m3, 800m3/day)	6	28-Oct-22	03-Nov-22	95	PST Stage 2a - Excavation Level (+1.875 mPD) (4,656m3, 800m3/day)																		
Z1-PST-4312	PST Stage 2a - Excavation FEL Level (-1.125 mPD & -1.625mPD) (2,086m3, 500m3/day)	4	04-Nov-22	08-Nov-22	95	PST Stage 2a - Excavation FEL Level (-1.125 mPD & -1.625mPD) (2,086m3, 500m3/day)																		
Basement RC Works																								
Z1-PST-4322	PST Stage 2a - Base Slab & Wall Erection of Formworks and RC Works (+3.00 mPD)	10	07-Dec-22	17-Dec-22	95	PST Stage 2a - Base Slab & Wall Erection of Formworks and RC Works (+3.00 mPD)																		
Z1-PST-4332	PST Stage 2a - Wall Erection of Formworks and RC Works (+3.85 mPD)	7	19-Dec-22	28-Dec-22	95	PST Stage 2a - Wall Erection of Formworks and RC Works (+3.85 mPD)																		
Z1-PST-4352	PST Stage 2a - Wall Erection of Formworks and RC Works (Ground Level)	11	29-Dec-22	11-Jan-23	95	PST Stage 2a - Wall Erection of Formworks and RC Works (Ground Level)																		
Z1-PST-4372	PST Stage 2a - Base Slab & Wall Erection of Formworks and RC Works (+0.15 mPD)	14	09-Nov-22	24-Nov-22	95	PST Stage 2a - Base Slab & Wall Erection of Formworks and RC Works (+0.15 mPD)																		
Z1-PST-4382	PST Stage 2a - Wall Erection of Formworks and RC Works (+1.875 mPD)	10	25-Nov-22	06-Dec-22	95	PST Stage 2a - Wall Erection of Formworks and RC Works (+1.875 mPD)																		
PST Superstructure																								
Stage 1																								
RC Works																								
Z1-PST-3660	PST - Wall Erection of Formworks and RC Works (+7.5mPD)	8	30-Nov-22	08-Dec-22	-68	PST - Wall Erection of Formworks and RC Works (+7.5mPD)																		



- 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. 23 - 3MRP (Sep 2022)

Project ID : DWPr18_221016
 Layout : DC201910 MPR23-3MRP
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Monthly Progress Report - 3MRP

Date	Revision	Checked	Approved
30-Sep-22	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	September					October					November					December					January
						23					24					25					26					27
						28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01		
Z2T-154	Demolition of Flow Measurement Chamber (34) & SSD Chamber (32)	40	20-Oct-22	05-Dec-22	-76																					
Z2T-154B	Demolition of Settled Sewage Overflow Chamber (31)	25	06-Jul-22 A	10-Oct-22	-52																					
Final Sedimentation Tanks																										
Z2T-200	Demolition of Mixed Liquor Distribution and Sludge Draw-off Chamber (37)	20	20-Oct-22	11-Nov-22	-37																					
Mainstream Bio-Reactor & Auxiliary Facility (MBR and AF)																										
MBR and AF Structure																										
MBR - ELS Excavation & Demolition stage 1																										
MBRAF-1460	MBR - Monitoring Installation	18	20-Oct-22	09-Nov-22	-38																					
MBRAF-1540	MBR - Backfilling, advance coring for king post installation & wells installation	25	15-Jun-22 A	19-Oct-22	-38																					
Southern Side																										
Demolishing of PST 4																										
MBRAF-2020	Decommissioning of PST 4	7	09-Aug-22 A	30-Sep-22 A																						
MBRAF-2030	Demolishing 3/4 area of PST 4	20	30-Sep-22 A	11-Oct-22	-71																					
MBRAF-2040	Backfilling of PST 4	12	08-Oct-22	21-Oct-22	-71																					
MBRAF-2050	Concreting pavement	5	19-Oct-22	24-Oct-22	-71																					
Installation of 813mm casing																										
MBRAF-2070	813 Casing Installation (South) (P101-P166, 66nos.@1.5 nos./day/rig, 1 rig)	45	03-Aug-22 A	26-Oct-22	-78																					
MBRAF-2080	813 Casing Installation (South) (P167-P242, 76nos.@1.5 nos./day/rig, 1 rig) (after PST4 demolished)	42	26-Oct-22	14-Dec-22	-78																					
MBRAF-2090	Installation of king post	30	09-Nov-22	14-Dec-22	-60																					
Eastern Side																										
Demolition of A-Tank																										
MBRAF-2130	Backfill of A-Tank 5-8	40	05-Jul-22 A	05-Oct-22	-28																					
MBRAF-2140	Demolishing of Existing Structure	7	20-Sep-22 A	07-Oct-22	-28																					
UU Diversion																										
MBRAF-2110	225 Foul (From Blower House) Diversion	35	27-Sep-22 A	27-Oct-22	-80																					
MBRAF-2120	375 Storm Drain Diversion	35	17-Oct-22	25-Nov-22	-80																					
Installation of 813mm casing																										
MBRAF-2150	813 Casing Installation (East)(48nos@2 nos./day/rig, 1 rig) (affected by A-Tank)	25	24-Sep-22 A	17-Oct-22	-28																					
MBRAF-2160	813 Casing Installation (East)(33nos@2 nos./day/rig, 1 rig) (affected by UU diversion)	18	26-Nov-22	16-Dec-22	-80																					
Northern Side																										
UU Diversion																										
MBRAF-2170	Air duct - Cut and remove	18	22-Aug-22 A	06-Oct-22	-57																					
MBRAF-2180	Expose fibre/power cable (NW corner) for slew/diversion	16	22-Aug-22 A	06-Oct-22	-57																					
MBRAF-2190	450 Foul pipe - Cut and remove	30	20-Sep-22 A	18-Oct-22	-57																					
MBRAF-2200	Conc. Blk. Installation and Backfilling Working Platform (NW and NE Corners)	20	08-Sep-22 A	10-Oct-22	-50																					
Installation of 813mm casing																										
MBRAF-2100	Closing of 813mm pipe pile (South, East and North Sides)	10	17-Dec-22	30-Dec-22	-80																					
MBRAF-2210	813 Casing Installation (North)(55nos.@2 nos./day/rig, 1 rig)	28	18-Oct-22	19-Nov-22	-57																					
Western Side																										
UU Diversion / Roadworks																										
MBRAF-2220	CLP 11kV (From Blower House) Diversion	60	28-Sep-22 A	22-Nov-22	-69																					
MBRAF-2230	Fire Hydrant Re-provision	30	12-Oct-22	15-Nov-22	-69																					
MBRAF-2240	800 and 1000 DI Pipe From existing Flow Chamber - Cut and remove	30	12-Oct-22	15-Nov-22	-69																					
MBRAF-2250	Re-provision of EVA	15	30-Nov-22*	16-Dec-22	-75																					
Installation of 813mm casing																										
MBRAF-2260	813 Casing Installation (West)(163nos@2nos./day/rig, 2 rigs)	41	01-Nov-22	17-Dec-22	-76																					
MBRAF-2270	Installation of king post (at RAS)	13	19-Dec-22	05-Jan-23	-76																					
MBRAF-2280	Closing of 813mm pipe pile (West)	5	19-Dec-22	23-Dec-22	-76																					
Tertiary Treatment System (TTS)																										
TTS Foundation and ELS																										
TTS-1000	TTS - Site Clearance	15	11-May-22 A	31-Oct-22	-72																					
TTS-1010	TTS - Sheet Piles Install (4,639m2 @120m2/d)	45	01-Nov-22	22-Dec-22	-72																					
TTS-1230	TTS - Monitoring Installation and Pumping Test	21	05-Dec-22	30-Dec-22	-72																					
Zone 3 Construction																										
Stage 1 Advance Works																										
Stage 1 - Advance Works																										
Zone 3A (at SHT)																										
Relocation of Heater Room (Location C)																										
Z3A-000550	Relocation and T&C (ATAL)	24	30-Jun-22 A	06-Oct-22	-96																					
Pipe Connection																										
Z3A-000390	Digested Sludge Pumping Station Completion (Location F)	0		09-Aug-22 A																						



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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	September					October				November				December				January						
						23					24				25				26				27						
						28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01					
Z3A-000400	Temp. Water Heater House Completion (Location C)	0		06-Oct-22	-72						◆ Temp. Water Heater House Completion (Location C)																		
Z3A-000410	Completion of Zone 3A Dverson	0		30-Sep-22	-113						◆ Completion of Zone 3A Dverson																		
Sludge/Supernatant DI Pipe																													
Z3A-000360	Connection between SDT and Temp. SHT & SDB	5	10-Aug-22 A	20-Aug-22 A		on between SDT and Temp. SHT & SDB																							
Zone 3B (at STB)																													
Gravity Thickening Tank (Location A)																													
Z3B-000260	Temp. Gravity Thickening Tank (Location A) Completion	0		23-Aug-22 A		Gravity Thickening Tank (Location A) Completion																							
Temporary Primary Sludge Pumping Station (Location D)																													
Z3A-310	T&C Works (ATAL)	14	31-Aug-22 A	17-Sep-22 A		T&C Works (ATAL)																							
Z3A-430	Temp. Primary Sludge Pumping Station (Location D) Completion	0		17-Sep-22 A		◆ Temp. Primary Sludge Pumping Station (Location D) Completion																							
Temporary Thickened Sludge / Supernatant Pumping Station (Location E1)																													
Z3B-000150	E&M Works (ATAL) & T&C (ATAL)	28	30-Jul-22 A	26-Sep-22 A		E&M Works (ATAL) & T&C (ATAL)																							
Z3B-000270	Temp. Thickening Sludge/Supernatant Pumping Station (Location E1) Completion	0		26-Sep-22 A		◆ Temp. Thickening Sludge/Supernatant Pumping Station (Location E1) Completion																							
Relocation of Ferric Chloride (FeCl3) Dosing System & LV Switchboard (Location E2)																													
Z3B-000280	FeCl3 Relocation (Location E2) Completion	0		10-Sep-22 A		◆ FeCl3 Relocation (Location E2) Completion																							
Pipe Connection																													
Z3B-000380	Connection at Temp. Thickened Sludge/ Supernatant Pumping Station (Location E1)	1	26-Sep-22 A	26-Sep-22 A		Connection at Temp. Thickened Sludge/ Supernatant Pumping Station (Location E1)																							
Z3B-000390	Temp. Gravity Thickening Tank (Location A) Completion	0		23-Aug-22 A		Gravity Thickening Tank (Location A) Completion																							
Z3B-000400	Temp. Primary Sludge Pumping Station (Location D) Completion	0		17-Sep-22 A		◆ Temp. Primary Sludge Pumping Station (Location D) Completion																							
Z3B-000410	Connection at Temp. Primary Sludge Pumping Station (Location D)	1	10-Sep-22 A	10-Sep-22 A		Connection at Temp. Primary Sludge Pumping Station (Location D)																							
Z3B-000420	FeCl3 System (Location E) Relocation Completion	0		10-Sep-22 A		◆ FeCl3 System (Location E) Relocation Completion																							
Z3B-000430	Temp. Thickened Sludge/ Supernatant Pumping Station (Location E1) Completion	0		26-Sep-22 A		◆ Temp. Thickened Sludge/ Supernatant Pumping Station (Location E1) Completion																							
Z3B-000440	Completion of Zone 3B Dverson	0		26-Sep-22 A		◆ Completion of Zone 3B Dverson																							
Advance Works																													
Z3S1A-3010	Completion of Stage 1 (Construction & E&M for Temporary facilities)	0		06-Oct-22	-72	◆ Completion of Stage 1 (Construction & E&M for Temporary facilities)																							
Stage 1 Demolition Works																													
UC Decommission Works																													
Z3A-000110	Decommission Works for Existing Utilities Gallery	10	03-Oct-22	14-Oct-22	-113	Decommission Works for Existing Utilities Gallery																							
Zone 3 North Portion (Z3N)																													
Demolition																													
Existing Sludge Thickening House (8, Air Floatation Thickener)																													
ATALZ3S1-2210	Switching Duty from SDT No. 2 to 4	4	16-Aug-22 A	19-Aug-22 A		Duty from SDT No. 2 to 4																							
Z3S2-2030	Demolition of Existing Sludge Thickening House (8, Air Floatation Thickener) - Zone 1	12	26-Sep-22 A	07-Oct-22	-121	Demolition of Existing Sludge Thickening House (8, Air Floatation Thickener) - Zone 1																							
Z3S2-2030a	Demolition of Existing Sludge Thickening House (8, Air Floatation Thickener) - Zone 3 (affected by Zone 2B Diversi	15	20-Oct-22	05-Nov-22	-105	Demolition of Existing Sludge Thickening House (8, Air Floatation Thickener)																							
Z3S2-2030b	Demolition of Existing Sludge Thickening House (8, Air Floatation Thickener) - Zone 2 (affecting Zone P2A piling)	6	06-Oct-22	12-Oct-22	-118	Demolition of Existing Sludge Thickening House (8, Air Floatation Thickener) - Zone 2 (affecting Zone P2A																							
Z3S2-2030c	Backfilling of Existing Sludge Thickening House (8, Air Floatation Thickener) - Zone 2	3	13-Oct-22	15-Oct-22	-118	Backfilling of Existing Sludge Thickening House (8, Air Floatation Thickener) - Zone 2																							
Z3S2-2040	Demolition of Consolidation Tank (7) C1 & C2	7	07-Oct-22	14-Oct-22	-116	Demolition of Consolidation Tank (7) C1 & C2																							
New Sludge Thickening Building (STB)																													
STB : Pre-drilling Works																													
Z3S1a-7-70	Complete Pre-drilling Works for STB	0		20-Oct-22	-25	◆ Complete Pre-drilling Works for STB																							
Z3S3-3480	Pre-drilling Works (2 nos. STB-PD7,9)	10	10-Oct-22	20-Oct-22	-91	Pre-drilling Works (2 nos. STB-PD7,9)																							
Z3S3-3490	Environment GI (4 nos., 7d/no., 2 rigs) & Submit RAP Report to EPD (30 days)	6	13-Oct-22	19-Oct-22	-118	Environment GI (4 nos., 7d/no., 2 rigs) & Submit RAP Report to EPD (30 days)																							
STB : Driven H-pile																													
Z3S3-2091	STB - H-pile Testing	21	01-Nov-22	24-Nov-22	-121	STB - H-pile Testing																							
Z3S3-3370	STB - Submit to GEO (28d)	28	25-Nov-22	29-Dec-22	42	STB - Submit to GEO (28d)																							
Z3S3-3520	STB - Driven H-pile Zone P2 (33 nos., 1400m) @70m/day, 2rigs	24	03-Oct-22	31-Oct-22	-121	STB - Driven H-pile Zone P2 (33 nos., 1400m) @70m/day, 2rigs																							
Z3S3-3530	STB - Driven H-pile Zone P2A (5 nos., 265m) @40m/day, 1rig	7	24-Oct-22	31-Oct-22	-121	STB - Driven H-pile Zone P2A (5 nos., 265m) @40m/day, 1rig																							
Z3S3-3540	STB - Driven H-pile Zone P3 (12 nos., 636m) @30m/day, 1rig	21	17-Sep-22 A	10-Oct-22	-112	STB - Driven H-pile Zone P3 (12 nos., 636m) @30m/day, 1rig																							
Z3S3-3550a	STB - Driven H-pile Zone P4B (4 nos., 247m) @40m/day, 1rig	7	09-Aug-22 A	22-Sep-22 A		STB - Driven H-pile Zone P4B (4 nos., 247m) @40m/day, 1rig																							
Z3S3-3560	STB - Driven H-pile Zone P5 (7 nos., 404m) @40m/day, 1rig	9	15-Oct-22	25-Oct-22	-116	STB - Driven H-pile Zone P5 (7 nos., 404m) @40m/day, 1rig																							
Z3S3-3590	STB - Driven H-pile Finish	0		31-Oct-22	-121	◆ STB - Driven H-pile Finish																							
STB : Foundation and ELS																													
Z3S3-2180	STB - Sheetpile Installation (3,997m2 @90m2/d)	46	25-Nov-22	27-Jan-23	-121	STB - Sheetpile Installation (3,997m2 @90m2/d)																							
Utility Corridor (UC5) (Connect to STB)																													
UC5 : Foundation and ELS Works																													
Z3S2-3070	UC5 - Site Setup & Mobilization	6	11-Oct-22	17-Oct-22	-79	UC5 - Site Setup & Mobilization																							
Z3S2-3080	UC5 - Sheetpile Installation (1,806m2 @90m2/d)	20	10-Nov-22	02-Dec-22	-99	UC5 - Sheetpile Installation (1,806m2 @90m2/d)																							
Z3S2-3090	UC5 - Monitoring Installation and Pumping Test	21	26-Nov-22	16-Dec-22	-119	UC5 - Monitoring Installation																							
Z3S2-3100	UC5 - ELS, Excavation (+6.0 to +4.0mPD) (526m3, 300m3/d)	2	17-Dec-22	19-Dec-22	-99	UC5 - ELS, Excavation																							
Z3S2-3110	UC5 - ELS, Strut Installation S1 (+4.0mPD)	5	20-Dec-22	24-Dec-22	-99	UC5 - ELS, Strut																							
Z3S2-3120	UC5 - Marine Sediments Treatment and Disposal	14	20-Dec-22	07-Jan-23	-92	UC5 - Marine Sediments Treatment and Disposal																							
Z3S2-3130	UC5 - ELS, Excavation (+4.0 to -0.5mPD) (1184m3, 200m3/d)	6	28-Dec-22	04-Jan-23	-99	UC5 - ELS, Excavation																							



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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	September					October				November				December				January
						23					24				25				26				27
						28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25
Zone 3 South Portion (Z3S)																							
Demolition																							
Existing Sludge Holding Tank SHT 1 (10)																							
Z3S1a.7-60	Completion Connection to Temporary SHT & Dewatering House	0		06-Oct-22	-72																		
Z3S2-2010	Demolition of SHT 2 (10)	20	07-Oct-22	29-Oct-22	-72																		
Z3S2.5-10	Demolition of Existing Water Heater House	25	07-Oct-22	04-Nov-22	-96																		
Sludge Digester No. 1-3 (SD1-3)																							
SD1-3 : Foundation and ELS																							
SD1-3 : Sheetpiling																							
Z3S3-2050	Sludge Digester No. 1-3 - Sheet Piles Install Portion 1 (SHT 4 area)	16	17-Aug-22 A	21-Oct-22	-65																		
Z3S3-2060	Sludge Digester No. 1-3 - Sheet Piles Install Portion 2 (3,128m2 @90m2/d)	36	31-Oct-22	10-Dec-22	-72																		
Z3S3-3350	Sludge Digester No. 1-3 - Monitoring Installation and Pumping Test	28	17-Nov-22	14-Dec-22	-87																		
SD1-3 : Excavation and Strut Installation																							
Z3S3-2110	Sludge Digester No. 1-3 - ELS Excavation (+5.0 to +4.3mPD, 4168m3 @ 500m3/d)	9	15-Dec-22	24-Dec-22	-73																		
Z3S3-2130	Sludge Digester No. 1-3 - Marine Sediments Treatment and Disposal	21	28-Dec-22	28-Jan-23	43																		
Z3S3-2140	Sludge Digester No. 1-3 - Strut Installation S1 (+4.8mPD)	8	28-Dec-22	06-Jan-23	-73																		
Biogas Holder No. 1 (BH1)																							
BH1 : Foundation																							
Z3BH-1000	Biogas Holder No. 1 - Band drain Installation for Ground Improvement	20	15-Oct-22	07-Nov-22	-113																		
Z3BH-1040	Biogas Holder No. 1 - Surcharge	6	19-Nov-22	25-Nov-22	-113																		
Z3BH-1050	Biogas Holder No. 1 - Consolidation	75	26-Nov-22	08-Feb-23	-135																		
Z3BH-1060	Biogas Holder No. 1 - Band drain Installation for Ground Improvement @ SHT 1 and existing water heater house f	10	08-Nov-22	18-Nov-22	-113																		
Zone 3 Middle Portion (Z3M)																							
Sludge Digester No. 4-6 (SD4-6)																							
SD4-6 : Foundation and ELS																							
Pre-drilling Works																							
Z3S8SD-1010	Sludge Digester No. 5-6 - Pre-drill (3 nos. SD-BH1,SD-BH3,SD-BH4)	48	21-Oct-22	15-Dec-22	733																		



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