

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	June 20					July 21				August 22				September 23				October 24		
						29	05	12	19	26	03	10	17	24	31	07	14	21	28	04	11	18	25	02	
YL Effluent Polishing Plant - Main Works Stage 1 - Detailed Works Programme DPv15																									
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																				
Environmental Constraints																									
EBS-2155	Egrets Breeding Season 2022	183	01-Mar-22 A	30-Aug-22*	0	Egrets Breeding Season 2022																			
Preliminary and Preparation Works																									
Subletting																									
SUB-270	Subletting for ELS works for IW, PST, SDB, STB, SD, MBB, TTB, underpass and open cut for admin. bldg	312	12-Oct-21 A	19-Aug-22	-108	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	11-Aug-22	-66	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	12-Aug-22	10-Oct-22	4	Subletting for ABWF works for IW, PST, SDB, STB, MBR, TTB and admin. bldg																			
SUB-310	Subletting for Utilities Corridor ELS	59	30-Jun-22	27-Aug-22	93	Subletting for Utilities Corridor ELS																			
SUB-350	Subletting for Waterproofing membrane and protection board	299	29-Nov-21 A	23-Sep-22	51	Subletting for Waterproofing membrane and protection board																			
SUB-380	Subletting for Sheet piling works for remaining areas	333	12-Oct-21 A	09-Sep-22	-31	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	13-Jul-22	-37	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																			
TWD-250	ELS - Obtain Approval	7	09-Jul-22	15-Jul-22	-37	ELS - Obtain Approval																			
TWD-520	ELS - Submit to GEO (Dewatering Proposal)	28	14-Jul-22	10-Aug-22	36	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	11-Jul-22	22	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																			
TWD-210	ELS - Obtain Approval	7	12-Jul-22	18-Jul-22	22	ELS - Obtain Approval																			
TWD-540	ELS - Submit to GEO (Dewatering Proposal)	28	12-Jul-22	08-Aug-22	49	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	31-Jul-22	-73	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	01-Aug-22	14-Aug-22	-73	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																			
TWD-170	ELS - Obtain Approval	7	15-Aug-22	21-Aug-22	-73	ELS - Obtain Approval																			
TWD-550	ELS - Submit to GEO (Dewatering Proposal)	28	15-Aug-22	11-Sep-22	-60	ELS - Submit to GEO (Dewatering Proposal)																			
Sludge Digester 1-3 & Utilities Corridor																									
TWD-350	ELS - Review by PM's & ICE review (28 d + 7d)	35	03-May-22 A	20-Jun-22 A		ELS - Review by PM's & ICE review (28 d + 7d)																			
TWD-360	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	21-Jun-22 A	13-Jul-22	-138	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																			
TWD-370	ELS - Obtain Approval	7	14-Jul-22	20-Jul-22	-134	ELS - Obtain Approval																			
TWD-560	ELS - Submit to GEO (Dewatering Proposal)	28	14-Jul-22	10-Aug-22	-138	ELS - Submit to GEO (Dewatering Proposal)																			
Sludge Digester 4-6																									
TWD-460	ELS - Prepare & Submission for PM's review	45	21-Jul-22	03-Sep-22	856	ELS - Prepare & Submission for PM's review																			
TWD-470	ELS - Review by PM's & ICE review (28 d + 7d)	35	04-Sep-22	08-Oct-22	856	ELS - Review by PM's & ICE review (28 d + 7d)																			
Sludge Dewatering and Underpass																									
TWD-260	ELS - Prepare & Submission for PM's review	45	15-Aug-22	28-Sep-22	557	ELS - Prepare & Submission for PM's review																			
TWD-270	ELS - Review by PM's & ICE review (28 d + 7d)	35	29-Sep-22	02-Nov-22	557	ELS - Review by PM's & ICE review (28 d + 7d)																			
Contractor's Permanent Works Design (include ATAL)																									
AIP																									
Package 2A - Tertiary Treatment System (TTS)																									
AIP-480	E&M AIP Report for Tertiary Treatment System (TTS) - Resubmission for further review	45	10-Mar-22 A	23-Jul-22	163	E&M AIP Report for Tertiary Treatment System (TTS) - Resubmission for further review																			
AIP-490	E&M AIP Report for Tertiary Treatment System (TTS) - Obtain Approval	7	24-Jul-22	30-Jul-22	163	E&M AIP Report for Tertiary Treatment System (TTS) - Obtain Approval																			
Package 3A - Plant Service Water																									
AIP-520	E&M AIP Report for Plant Service Water - Resubmission for further review	45	20-Dec-21 A	13-Aug-22	457	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	14-Aug-22	20-Aug-22	457	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-Jul-22	25	Control & Monitoring System - Resubmission for further review																			
AIP-620	Control & Monitoring System - Obtain Approval	7	14-Jul-22	20-Jul-22	25	Control & Monitoring System - Obtain Approval																			
Package 7A - Building Services System																									
AIP-240	BS System - Resubmission for further review	14	28-Mar-22 A	13-Jul-22	324	BS System - Resubmission for further review																			
AIP-250	BS System - Obtain Approval	7	14-Jul-22	20-Jul-22	324	BS System - Obtain Approval																			
Package 14A - E&M AIP Report for Deodorization Unit System																									
AIP-850	DEO - Resubmission for further review	45	25-Nov-21 A	26-Jul-22	371	DEO - Resubmission for further review																			
AIP-860	DEO - Obtain Approval	7	27-Jul-22	02-Aug-22	371	DEO - Obtain Approval																			
Package 22A - Sampling System of YLEPP																									
AIP-910	Sampling System - Prepare & Submission for PM's review	45	22-Aug-22*	05-Oct-22	169	Sampling System - Prepare & Submission for PM's 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. 20 - 3MRP (Jun 2022)

Project ID : DWP.DPr15_220716-J
 Layout : DC201910 MPR20-3MRP
 Page 1 of 9

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

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	June 20					July 21				August 22				September 23				October 24		
						29	05	12	19	26	03	10	17	24	31	07	14	21	28	04	11	18	25	02	
						Gantt Chart Area																			
AIP-950	SPC - Prepare & Submission for PM's review	45	01-Jun-22 A	13-Aug-22	364	SPC - Prepare & Submission for PM's review																			
AIP-960	SPC - Review by PM's & ICE review (28 d + 7d)	35	14-Aug-22	17-Sep-22	364	SPC - Review by PM's & ICE review (28 d + 7d)																			
AIP-970	SPC - Resubmission for further review	45	18-Sep-22	01-Nov-22	364	SPC - Resubmission for further review																			
DDA																									
Package 1A - Hydraulic Detailed Design Approval (DDA) Report																									
DDA-1480	Contractor's Design for Hydraulic - Resubmission for further review	45	25-Mar-22 A	09-Aug-22	264	Contractor's Design for Hydraulic - Resubmission for further review																			
DDA-1490	Contractor's Design for Hydraulic - Obtain Approval	7	10-Aug-22	16-Aug-22	264	Contractor's Design for Hydraulic - 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	10-Aug-22	06-Sep-22	125	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	09-Aug-22	125	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	31-Aug-22	06-Sep-22	125	Contractor's Design for General Architecture, Civil, Structural & Geotechnical - Obtain Approval																			
Package 2 - Tertiary Treatment System																									
DDA-150	Foundation for TTS - Prepare (90d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d), GEO (28d)	184	08-Oct-21 A	30-Sep-22	-38	Foundation for TTS - Prepare (90d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d), GEO (28d)																			
DDA-170	Civil Req. for TTS (Foundation design) - Prepare(27d), Sub. & Review(45d), Comment & Resub.(14d), GEO(28d)& Approval (7d)	121	13-Jun-21 A	05-Aug-22	209	Civil Req. for TTS (Foundation design) - Prepare(27d), Sub. & Review(45d), Comment & Resub.(14d), GEO(28d)& Approval (7d)																			
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	336	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	18-Jan-23	336	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	18-Jan-23	336	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	18-Jan-23	336	Electrical& Control for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																			
Package 3 - Mainstream Bio-Reactor System																									
DDA-230	Architectural for MBS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	05-Oct-21 A	27-Oct-22	48	Architectural for MBS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																			
DDA-240	Foundation for MBS - Prepare (97d), Sub. & Review(45d), Comment & Resub.(14d), GEO (28d) & Approval (7d)	191	18-Mar-22 A	28-Mar-23	48	Foundation for MBS - Prepare (97d), Sub. & Review(45d), Comment & Resub.(14d), GEO (28d) & 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	05-Aug-22	63	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	27-Oct-22	63	Civil Req. for MBS-AGS (Superstruct. design) - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																			
DDA-280	P&ID for TTS - MBS (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	08-Oct-21 A	27-Oct-22	314	P&ID for TTS - 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	27-Oct-22	440	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)	126	08-Oct-21 A	27-Oct-22	440	Electrical& Control for MBS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																			
Package 5A - Master Water Meter Cabinet																									
DDA-360	Foundation for Master WM Carbinet- Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d), GEO(28d) & Approval (7d)	154	15-Feb-22 A	30-Oct-22	4	Foundation for Master WM Carbinet- Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d), GEO(28d) & Approval (7d)																			
DDA-370	Civil & Struct. for WM Carbinet- Prepare (90d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	156	15-Apr-22 A	01-Nov-22	4	Civil & Struct. for WM Carbinet- Prepare (90d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																			
Package 5B - Plant Service Water (PSW)																									
DDA-1050	Civil Requirement Drawings - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	12-Jun-21 A	27-Oct-22	200	Civil Requirement Drawings - 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)	126	14-Aug-21 A	27-Oct-22	124	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)	126	15-Nov-21 A	27-Oct-22	-2	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)	126	30-Nov-21 A	27-Oct-22	-2	Electrical & Control for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																			
DDA-430	Found. for STCS, Waste Gas Burner & Guard Hse - Prepare(60d), Sub.&Review(45d), Comment & Resub.(14d), GEO(28d) & Approval (7d)	126	28-Sep-22*	31-Jan-23	28	Found. for STCS, Waste Gas Burner & Guard Hse - Prepare(60d), Sub.&Review(45d), Comment & Resub.(14d), GEO(28d) & Approval (7d)																			
DDA-440	Civil & Struct. for STCS, WGB & Guard Hse - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	09-Nov-21 A	05-Jan-23	54	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)	126	15-Nov-21 A	27-Oct-22	-2	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	04-Jul-22	17	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	23-Jul-22	17	VCAB, FSD & WSD Design Report - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)																			
DDA-460	Civil&Struct. for CLP Sub. & 11kV Switchgear Hse- Prep. (30d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)	82	01-Jun-21 A	08-Jul-22	17	Civil&Struct. for CLP Sub. & 11kV Switchgear Hse- Prep. (30d), Sub. & Review(30d), 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	23-Jul-22	17	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	16-Jul-22	41	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	23-Jul-22	17	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	15-Jul-22	-171	Mechanical for Advance Works - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																			
DDA-510	Electrical & Control for Advance Works - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	78	04-Jun-21 A	15-Jul-22	-171	Electrical & Control 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	15-Jul-22	-163	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	07-Jul-22	-163	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	15-Aug-22	153	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)	82	10-Jul-21 A	14-Sep-22	153	PID for Inlet Work - Prepare (30d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)																			
DDA-1190	Mechanical for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	78	09-Aug-21 A	14-Sep-22	153	Mechanical for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)																			
DDA-1200	Electrical & Control for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	78	30-Oct-21 A	14-Sep-22	153	Electrical & Control for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)																			
DDA-1210	Building Services for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	76	30-Mar-22 A	27-Sep-22	159	Building Services for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)																			
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	30-Jul-22	32	Civil Req. Drawing for PST - Prepare (46d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)																			
DDA-1230	PID for PST - Prepare (46d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)	98	01-Jun-21 A	06-Sep-22	32	PID for PST - Prepare (46d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)																			
DDA-1240	Mechanical for PST - Prepare (46d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)	98	01-Jun-21 A	06-Sep-22	32	Mechanical for PST - Prepare (46d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)																			
DDA-1250	Electrical & Control for PST - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	48	31-Aug-21 A	14-Aug-22	32	Electrical & Control for PST - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)																			
DDA-1260	Building Services for PST - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	78	01-Oct-21 A	12-Sep-22	32	Building Services for PST - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)																			



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- ◆ Milestone

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

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Layout : DC201910 MPR20-3MRP
Page 2 of 9

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30-Jun-22	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	June 20				July 21				August 22				September 23				October 24	
						29	05	12	19	26	03	10	17	24	31	07	14	21	28	04	11	18	25
Package 11 - Control and Monitoring System																							
DDA-1270	Gas Detection System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	78	01-Aug-22*	17-Oct-22	146																		
DDA-550	Supervisory Control&Data Application (SCADA) System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	78	14-May-22 A	15-Sep-22	178																		
DDA-580	Power Quality & Energy Management System (PQEMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	78	02-Oct-21 A	12-Sep-22	181																		
Package 13 - Pipework System																							
DDA-1030	Pipeworks System for Sludge Digesters - Prep(60d),Sub.&Review(45d),Comment&Resub (14d) &Approval (7d)	126	17-Jul-22	19-Nov-22	212																		
DDA-670	Pipeworks System for Primary Sedimentation Tanks (PST) - Prep(57d), Sub.&Review(45d), Comment&Resub(14d) & Approval (7d)	123	18-Sep-21 A	30-Jul-22	-33																		
DDA-680	Pipeworks System for Biogas Holder (BH) - Prep(57d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	123	18-Sep-21 A	30-Jul-22	-33																		
DDA-690	Pipeworks System for Sludge Dewatering Building (SDB) - Prep(60d),Sub.&Review(45d),Comment&Resub (14d) & Approval (7d)	126	17-Jul-22	19-Nov-22	212																		
DDA-700	Pipeworks System for Utility Corridor&Pipe Portal (UC/PP) - Prep(103d),Sub.&Review(45d),Comment&Resub(14d) & Approval (7d)	126	17-Jul-22	19-Nov-22	389																		
Package 14 - Sludge Anaerobic Digestion System (SDT)																							
DDA-1290	Civil Req. Drawing for SDT - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	113	10-Jul-21 A	22-Jul-22	-220																		
DDA-1300	PID for SDT - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	113	10-Jul-21 A	15-Oct-22	29																		
DDA-1310	Mechanical for SDT & UC/PP - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	113	10-Jul-21 A	15-Oct-22	29																		
DDA-1320	Electrical & Control for SDT & UC/PP - Prepare (55d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	121	02-Jul-21 A	22-Oct-22	117																		
DDA-1340	Civil Req. Drawing for UC/PP - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	113	10-Jul-21 A	15-Oct-22	29																		
Package 15 - Biogas H2S Removal, Storage and Delivery System																							
DDA-1350	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d) & Approval (7d)	78	31-Aug-21 A	18-Jul-22	-220																		
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	31-Aug-22	-62																		
DDA-1370	Mechanical for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d) & Approval (7d)	78	05-Oct-21 A	28-Aug-22	-62																		
DDA-1380	Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d) & Approval (7d)	79	01-Sep-22	18-Nov-22	-144																		
DDA-1390	Building Services for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d) & Approval (7d)	79	01-Sep-22	18-Nov-22	-144																		
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	31-Aug-22	-144																		
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	10-Aug-22	371																		
DDA-1420	Mechanical for DOU No. 1 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d) & Approval (7d)	78	04-Mar-22 A	16-Oct-22	371																		
DDA-1440	Mechanical for DOU No. 3 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d) & Approval (7d)	78	03-Aug-22*	19-Oct-22	446																		
Package 17 - Sludge Dewatering Building (SDB)																							
DDA-890	Architectural for Sludge Dewatering Building (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	07-Jun-21 A	01-Aug-22	1378																		
DDA-900	Found. for Sludge Dewatering Building (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d), GEO (28d) & Approval (7d)	154	10-Nov-21 A	09-Oct-22	550																		
Package 19 - Elevated Walkways																							
DDA-710	Civil & Structural for Elevated Walkways - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d), Comment & Resub(14d) & Approval (7d)	154	30-Jun-22	30-Nov-22	830																		
Package 21 - Steel Working Platform																							
DDA-730	Civil & Structural for Steel Working Platform - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d), Comment & Resub(14d) & Approval (7d)	126	30-Jun-22	02-Nov-22	830																		
Building Services																							
DDA-590	BS for Inlet Works (IW) - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	31-Aug-21 A	03-Aug-22	214																		
DDA-600	BS for Sludge Thickening Building (STB) - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	31-Aug-21 A	03-Aug-22	371																		
DDA-610	BS for Primary Sedimentation Tanks (PST) - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	30-Sep-21 A	02-Sep-22	238																		
DDA-620	BS for Biogas Holder (BH) - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	31-Aug-21 A	03-Aug-22	-37																		
Technical Submission																							
Inlet Works (IW)																							
TS-890	PID - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	03-Sep-21 A	22-Jul-22	110																		
TS-900	Equipment Loading Summary - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	03-Sep-21 A	22-Jul-22	110																		
TS-910	General Arrangement Drawing - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	30-May-21 A	25-Jul-22	204																		
TS-920	Civil Requirement Drawings (Superstructure) - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	30-May-21 A	25-Jul-22	204																		
Primary Sedimentation Tank (PST)																							
TS-930	Equipment Loading Summary - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	03-Sep-21 A	22-Jul-22	110																		
TS-940	PID - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	03-Sep-21 A	05-Aug-22	110																		
TS-950	General Arrangement Drawing - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	30-Jun-22	03-Sep-22	110																		
TS-960	Civil Requirement Drawings (Superstructure) - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	30-Jun-22	03-Sep-22	110																		
Sludge Thickening Building (STB)																							
TS-820	Architectural for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	01-Jun-21 A	18-Jul-22	107																		
TS-830	Found. for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d), GEO(28d) & Approval (7d)	154	01-Jun-21 A	18-Jul-22	585																		
TS-840	Civil & Structural for Sludge Thickening Bldg (STB) - Prep(27d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	93	13-Aug-22	13-Nov-22	107																		
TS-850	General Arrangement & Civil Req. Drawings for STB - Prep(27d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	93	13-Aug-22	13-Nov-22	466																		
TS-970	PID - Prep(27d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	93	13-Aug-22	13-Nov-22	107																		
TS-980	Equipment Loading Summary - Prep(27d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	93	13-Aug-22	13-Nov-22	541																		
Sludge Digesters (SD)																							
TS-1030	PID - Prep(60d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	126	25-Sep-21 A	03-Aug-22	320																		
TS-1040	Equipment Loading Summary - Prep(60d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	126	25-Sep-21 A	03-Aug-22	320																		
TS-740	Found. for Sludge Digesters (SD) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d), GEO (28d) & Approval (7d)	126	25-Sep-21 A	03-Aug-22	106																		
TS-750	Civil & Structural for Sludge Digesters (SD) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d), Comment & Resub(14d) & Approval (7d)	126	25-Sep-21 A	30-Jul-22	106																		



- 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. 20 - 3MRP (Jun 2022)

Project ID : DWP.DPr15_220716-J
Layout : DC201910 MPR20-3MRP
Page 3 of 9

Monthly Progress Report No. 20 - 3MRP			
Date	Revision	Checked	Approved
30-Jun-22	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	June 20					July 21				August 22				September 23				October 24		
						29	05	12	19	26	03	10	17	24	31	07	14	21	28	04	11	18	25	02	
						Gantt Chart Area																			
TS-760	General Arrangement & Civil Req. Drawings for SD - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & App	126	25-Sep-21 A	28-Jul-22	205	General Arrangement & Civil Req. Drawings for SD - Prep(60d), Sub.&Review(45d), Co																			
TS-770	Mechanical for Sludge Digesters (SD) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	24-Jul-22	26-Nov-22	205	Mechanical for Sludge Digesters (SD) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)																			
Biogas Holders (BH)																									
TS-1050	PID - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	31-Aug-21 A	05-Jul-22	-103	PID - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																			
TS-1060	Equipment Loading Summary - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	31-Aug-21 A	05-Jul-22	-103	Equipment Loading Summary - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																			
TS-780	Foundation for Biogas Holders (BH) - Prep(53d), Sub.&Review(45d), Comment&Resub (14d), GEO (28d) & Appro	147	12-Jun-21 A	18-Jul-22	-220	Foundation for Biogas Holders (BH) - Prep(53d), Sub.&Review(45d), Comment&Resub (14d), GEO																			
TS-790	Civil & Structural for Biogas Holders (BH) - Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	66	12-Jun-21 A	30-Jul-22	-135	Civil & Structural for Biogas Holders (BH) - Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)																			
TS-800	General Arrangement & Civil Req. Drawings for BH - Prep(127d), Sub.&Review(45d), Comment&Resub (14d) & App	193	16-Sep-21 A	09-Nov-22	-135	General Arrangement & Civil Req. Drawings for BH - Prep(127d), Sub.&Review(45d), Comment&Resub (14d) & App																			
TS-810	Mechanical for Biogas Holders (BH) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	05-Nov-21 A	08-Oct-22	-103	Mechanical for Biogas Holders (BH) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)																			
SCADA																									
TS-1070	Layout and Wiring Diagram for YLEPP PLC Panel - Prep(144d), Sub.&Review(45d), Comment&Resub (14d)&App	210	21-Jul-22	15-Feb-23	25	Layout and Wiring Diagram for YLEPP PLC Panel - Prep(144d), Sub.&Review(45d), Comment&Resub (14d)&App																			
TS-1080	System Architecture for Existing YLSTW Temporary SCADA System - Prep(144d),Sub&Rev(45d),Comments&Resu	210	21-Jul-22	15-Feb-23	25	System Architecture for Existing YLSTW Temporary SCADA System - Prep(144d),Sub&Rev(45d),Comments&Resu																			
TS-1090	Layout and Wiring Diagram for Existing YLSTW Temp PLC Panel - Prep(144d),Sub&Rev(45d),Comments&Resub(210	21-Jul-22	15-Feb-23	25	Layout and Wiring Diagram for Existing YLSTW Temp PLC Panel - Prep(144d),Sub&Rev(45d),Comments&Resub(
TS-1100	System Architecture for YLEPP SCADA System - Prep(144d), Sub.&Review(45d), Comment&Resub (14d)&Appro	210	21-Jul-22	15-Feb-23	25	System Architecture for YLEPP SCADA System - Prep(144d), Sub.&Review(45d), Comment&Resub (14d)&Appro																			
Utility Corridor and Pipe Portal																									
TS-1110	General Arrangement Drawing - Prep(144d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	210	21-Jul-22	15-Feb-23	433	General Arrangement Drawing - Prep(144d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																			
TS-1120	Civil Requirement Drawings (Superstructure) - Prep(144d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	210	21-Jul-22	15-Feb-23	433	Civil Requirement Drawings (Superstructure) - Prep(144d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																			
TS-1140	Equipment Loading Summary - Prep(144d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	210	21-Jul-22	15-Feb-23	433	Equipment Loading Summary - Prep(144d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																			
Hazardous Area Classification and Fire Risk Assessment																									
TS-1800	Hazardous Area Classification and Fire Risk Assessment Specialist - Submission & Approval	20	31-Aug-21 A	30-Jun-22	-38	Hazardous Area Classification and Fire Risk Assessment Specialist - Submission & Approval																			
TS-1810	Hazardous Area Classification Assessment - Prep(60), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	126	20-Sep-21 A	04-Aug-22	-38	Hazardous Area Classification Assessment - Prep(60), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																			
TS-1820	Fire Risk Assessment - Prep(60), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	126	20-Sep-21 A	04-Aug-22	-38	Fire Risk Assessment - Prep(60), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																			
Material Submission, Procurement, Manufacturing and Delivery																									
PRE-230	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip.	270	09-Nov-20 A	13-Mar-23	303	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip.																			
PRE-240	Submit/Procure/Manufacture/Deliver TTS & Auxillary Facility Equip.	270	09-Nov-20 A	27-Feb-23	296	Submit/Procure/Manufacture/Deliver TTS & Auxillary Facility Equip.																			
PRE-250	Submit/Procure/Manufacture/Deliver Thickening System/Digestion/sludge holding Tanks	300	09-Nov-20 A	11-Mar-23	600	Submit/Procure/Manufacture/Deliver Thickening System/Digestion/sludge holding Tanks																			
Site Establishment Works																									
Temporary Transformer 1600A																									
P5-150	Comepletion of Temp Transformer 1600A	0		15-Jun-22 A		◆ Completion of Temp Transformer 1600A																			
PM and Contractor Accomodation																									
Project Manager's & Contractor Site Accommodation																									
MIC Section																									
PMCA-190	Installation of Green Roof	16	09-Nov-21 A	26-Aug-22	1639	Installation of Green Roof																			
Caving System																									
PMCA-240	Caving System Construction	33	03-May-22 A	23-Jul-22	-18	Caving System Construction																			
PMCA-250	Caving System Installation (Set-Up & T&C)	60	25-Jul-22	05-Oct-22	-18	Caving System Installation (Set-Up & T&C)																			
FSI, FSD and OP Requirements																									
FSI Submission & Approval																									
FSD-1030	PM Review	31	12-Nov-21 A	19-Aug-22	-123	PM Review																			
FSD-1040	Submission Period for FSD Review (Assumed 12 Months) - Full GBP+GBP for TOP1	367	20-Aug-22	21-Aug-23	-123	Submission Period for FSD Review (Assumed 12 Months) - Full GBP+GBP for TOP1																			
Application Form Schedule EMSD (ATAL)																									
Phase 1																									
ATAL-FS-0010	Form 104 for Biogas Holder Tank 1(Submission and Approval Period)	184	02-May-22 A	12-Dec-22	1414	Form 104 for Biogas Holder Tank 1(Submission and Approval Period)																			
HAZOP Study																									
HAZOP-010	Engage Independent Consultant	20	20-Aug-22	08-Sep-22	-123	Engage Independent Consultant																			
Zone 1 (for PST(Stage1), others provide later)																									
HAZOP-Z1-010	Review Design / Installation HAZOP for PST (Stage 1) by independent consultant	30	09-Sep-22	08-Oct-22	48	Review Design / Installation HAZOP for PST (Stage 1) by independent consultant																			
Zone 3 (for BH No.1 , others provide later)																									
HAZOP-Z3-010	Review Design / Installation HAZOP for Biogas Holder No. 1 by independent consultant	30	09-Sep-22	08-Oct-22	-123	Review Design / Installation HAZOP for Biogas Holder No. 1 by independent consultant																			
General Advance Works																									
NSWSPS Sensors																									
ATALGA-1160	CGS - Method Statement for Installation	101	03-Aug-21 A	20-Jul-22	161	CGS - Method Statement for Installation																			
ATALGA-1170	Procurement & Delivery of Sensor	101	03-Aug-21 A	20-Jul-22	161	Procurement & Delivery of Sensor																			
ATALGA-1260	Installation of pressure sensors at NSWSPS	22	21-Jul-22	15-Aug-22	133	Installation of pressure sensors at NSWSPS																			
Air Blower House																									
ATALGA-1280	CMS - Air Blower System	128	16-Aug-22	18-Jan-23	133	CMS - Air Blower System																			
Disc Filter (DF) Pilot Plant																									
ATALGA-1140	E&M installation of DF Pilot Plant	51	10-Feb-22 A	25-Jul-22	457	E&M installation of DF Pilot Plant																			
ATALGA-1190	T&C	22	26-Jul-22	19-Aug-22	457	T&C																			
Dissolved Air Flotation (DAF) Pilot Plant																									



- 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. 20 - 3MRP (Jun 2022)

Project ID : DWP.DPr15_220716-J
 Layout : DC201910 MPR20-3MRP
 Page 4 of 9

Monthly Progress Report No. 20 - 3MRP			
Date	Revision	Checked	Approved
30-Jun-22	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	June 20					July 21				August 22				September 23				October 24		
						29	05	12	19	26	03	10	17	24	31	07	14	21	28	04	11	18	25	02	
						Gantt Chart (Color-coded bars representing activity progress and remaining work)																			
ATALGA-1150	E&M installation of DAF Pilot Plant	51	16-Jun-22 A	30-Jul-22	319	E&M installation of DAF Pilot Plant																			
ATALGA-1200	T&C	11	01-Aug-22	12-Aug-22	319	T&C																			
ATALGA-1220	Post-commissioning	144	13-Aug-22	10-Feb-23	319	Post-commissioning																			
Aerobic Granular Sludge (AGS) Pilot Plant																									
ATALGA-1210	Seeding, process start-up and T&C	52	16-Jun-22 A	30-Jul-22	335	Seeding, process start-up and T&C																			
ATALGA-1270	Post-commissioning	139	01-Aug-22	16-Jan-23	335	Post-commissioning																			
Zone 1 Construction																									
Inlet Works (IW)																									
IW Foundation & ELS Works																									
IW Basement																									
Z1-IW-3950	Pumping Test & Commissioning Period	14	30-Jun-22 A	09-Jul-22	-59	Pumping Test & Commissioning Period																			
Z1-IW-4300	Submit to GEO (28d)	28	10-May-22 A	20-Jul-22	1671	Submit to GEO (28d)																			
IW Excavation Works & ELS																									
IW Zone A/D- ELS																									
Z1-IW-5760	IW- Excavation: 1st Layer +5.5 ~ +3.5mPD	5	18-Jul-22	22-Jul-22	-59	IW- Excavation: 1st Layer +5.5 ~ +3.5mPD																			
Z1-IW-5770	IW- Strutting: 1st Layer @+4.0mPD	10	26-Jul-22	05-Aug-22	-61	IW- Strutting: 1st Layer @+4.0mPD																			
Z1-IW-5780	IW- Excavation: 2nd Layer +3.5 ~ 1.0mPD	5	06-Aug-22	11-Aug-22	-61	IW- Excavation: 2nd Layer +3.5 ~ 1.0mPD																			
Z1-IW-5790	IW- Strutting: 2nd Layer @+1.5mPD	10	12-Aug-22	23-Aug-22	-61	IW- Strutting: 2nd Layer @+1.5mPD																			
Z1-IW-5800	IW- Excavation: 3rd Layer +1.0 ~ -1.625mPD	8	24-Aug-22	01-Sep-22	-61	IW- Excavation: 3rd Layer +1.0 ~ -1.625mPD																			
Z1-IW-5810	IW- Strutting: 3rd Layer @-1.125mPD	10	02-Sep-22	14-Sep-22	-61	IW- Strutting: 3rd Layer @-1.125mPD																			
Z1-IW-5820	IW- Excavation: 4th Layer -1.625 ~ -3.38mPD	7	15-Sep-22	22-Sep-22	-61	IW- Excavation: 4th Layer -1.625 ~ -3.38mPD																			
IW Zone C - ELS																									
Z1-IW-5650	IW- Excavation: 1st Layer +5.5~+3.5mPD	10	20-Jun-22 A	12-Jul-22	-55	IW- Excavation: 1st Layer +5.5~+3.5mPD																			
Z1-IW-5660	IW- Strutting: 1st Layer @+4.35mPD	10	13-Jul-22	23-Jul-22	-51	IW- Strutting: 1st Layer @+4.35mPD																			
Z1-IW-5670	IW- Excavation: 2nd layer +3.5~+1.0mPD	9	25-Jul-22	03-Aug-22	-51	IW- Excavation: 2nd layer +3.5~+1.0mPD																			
Z1-IW-5680	IW- Strutting: 2nd Layer @+2.50mPD	10	04-Aug-22	15-Aug-22	-51	IW- Strutting: 2nd Layer @+2.50mPD																			
Z1-IW-5690	IW- Excavation: 3rd Layer +1.0~-1.625mPD	10	16-Aug-22	26-Aug-22	-51	IW- Excavation: 3rd Layer +1.0~-1.625mPD																			
Z1-IW-5700	IW- Backprop installation	7	21-Sep-22	28-Sep-22	-51	IW- Backprop installation																			
Z1-IW-5710	IW- Excavation to Formation -1.625~-3.125mPD	5	29-Sep-22	06-Oct-22	-51	IW- Excavation to Formation -1.625~-3.125mPD																			
IW Base Slab																									
Z1-IW-6060	IW- Zone D - Pile Cap @-3.225mPD	27	23-Sep-22	26-Oct-22	-61	IW- Zone D - Pile Cap @-3.225mPD																			
Z1-IW-6070	IW- Zone C - Pile Cap @-1.625mPD	20	27-Aug-22	20-Sep-22	-51	IW- Zone C - Pile Cap @-1.625mPD																			
IW Transformer House No. 1																									
IW-2785	TX House No. 1 - Piling Works (8 nos.)	10	17-May-22 A	13-Jun-22 A		TX House No. 1 - Piling Works (8 nos.)																			
Primary Sedimentation Tank (PST)																									
PST Stage 1 of Works																									
PST Stage 1 - Foundation (At First 3 Tanks, PST 7-8 Footprint)																									
PST-1220	PST Stage 1 - Driven H-Pile (21nos.+Additional Pile (10 nos.) @ ave. 1.5no/d/rig, 1 rig)	14	03-May-22 A	11-Jul-22	-10	PST Stage 1 - Driven H-Pile (21nos.+Additional Pile (10 nos.) @ ave. 1.5no/d/rig, 1 rig)																			
PST-1230	PST Stage 1 - Time Risk Allowance for Driven H-Pile	2	12-Jul-22	13-Jul-22	-10	PST Stage 1 - Time Risk Allowance for Driven H-Pile																			
PST-3020	PST Stage 1 - Submit to GEO (28d)	28	31-Mar-22 A	06-Jul-22	-59	PST Stage 1 - Submit to GEO (28d)																			
PST Stage 1																									
Excavation Works (Southern Trench), (Excavation Volume: 5,795m3)																									
Z1-PST-3600	PST(S1) - Excavation FEL Level (-1.6-3.225mPD), (853m3, 300-400m3/day, 1excavator 8m3/truck, 5 trucks/hr, 1r	5	21-Jun-22 A	06-Jul-22	-61	PST(S1) - Excavation FEL Level (-1.6-3.225mPD), (853m3, 300-400m3/day, 1excavator 8m3/truck, 5 trucks/hr, 1r																			
Z1-PST-3810	PST (S1) - Time Risk Allowance for Excavation and ELS Installation	2	07-Jul-22	08-Jul-22	-61	PST (S1) - Time Risk Allowance for Excavation and ELS Installation																			
ELS Erection Works																									
Z1-PST-3590	PST(S1) - Erection and Installation of S1 Strut & W1 Waling (+1.375 mPD, 1crane, 4welders, 2work fronts)	6	21-May-22 A	20-Jun-22 A		PST(S1) - Erection and Installation of S1 Strut & W1 Waling (+1.375 mPD, 1crane, 4welders, 2work fronts)																			
ELS for Northern Trench (Zone E1)																									
Z1-PST-3591	Excavation S1 Level (+1.375mPD)	15	21-May-22 A	22-Jun-22 A		Excavation S1 Level (+1.375mPD)																			
Z1-PST-3601	Erection and Installation of S1 Strut & W1 Waling (+1.375 mPD)	10	23-Jun-22 A	12-Jul-22	7	Erection and Installation of S1 Strut & W1 Waling (+1.375 mPD)																			
Z1-PST-3611	Excavation FEL Level (-1.125mPD)	10	13-Jul-22	23-Jul-22	7	Excavation FEL Level (-1.125mPD)																			
Basement RC Works (Stage 1 - Southern Portion)																									
Southern Trench (Lower Portion)																									
Z1-PST-3630	PST(S1) - Install Reprops R1	3	03-Aug-22	05-Aug-22	-61	PST(S1) - Install Reprops R1																			
Z1-PST-3640	PST(S1) - Wall Erection of Formworks and RC Works (Ground Level)	10	22-Jul-22	02-Aug-22	-61	PST(S1) - Wall Erection of Formworks and RC Works (Ground Level)																			
Z1-PST-3800	PST(S1) - Removal of S1	2	20-Jul-22	21-Jul-22	-61	PST(S1) - Removal of S1																			
Z1-PST-3860	PST(S1) - Base Slab & Wall Erection of Formworks and RC Works (-1.625 to -3.225 mPD)	9	09-Jul-22	19-Jul-22	-61	PST(S1) - Base Slab & Wall Erection of Formworks and RC Works (-1.625 to -3.225 mPD)																			
Northern Trench (Lower Portion)																									
Z1-PST-3620	PST(S1) - Base Slab & Wall Erection of Formworks and RC Works (-1.125 mPD)	6	03-Aug-22	09-Aug-22	-1	PST(S1) - Base Slab & Wall Erection of Formworks and RC Works (-1.125 mPD)																			
Z1-PST-4240	PST(S1) - Removal of S1	2	10-Aug-22	11-Aug-22	-1	PST(S1) - Removal of S1																			
Z1-PST-4260	PST(S1) - Wall Erection of Formworks and RC Works (Ground Level)	6	12-Aug-22	18-Aug-22	-1	PST(S1) - Wall Erection of Formworks and RC Works (Ground Level)																			
Excavation Works (North Portion), (Excavation Volume: 3,840m3)																									



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

Monthly Progress Report No. 20 - 3MRP (Jun 2022)

Project ID : DWP.DPr15_220716-J
 Layout : DC201910 MPR20-3MRP
 Page 5 of 9

Monthly Progress Report No. 20 - 3MRP			
Date	Revision	Checked	Approved
30-Jun-22	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	June 20					July 21				August 22				September 23				October 24		
						29	05	12	19	26	03	10	17	24	31	07	14	21	28	04	11	18	25	02	
						Gantt Chart Area																			
Z1-PST-4180	PST(S1) - Excavation F.E.L. Level (+1.875 mPD) (3,840m3, 1000m3/day) after stage 2 piling	4	06-Aug-22	10-Aug-22	-10	PST(S1) - Excavation F.E.L. Level (+1.875 mPD) (3,840m3, 1000m3/day)																			
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	10	11-Aug-22	22-Aug-22	-10	PST(S1) - Base Slab & Wall Erection of Formworks and RC Works (+3.00 mPD)																			
Z1-PST-4200	PST(S1) - Wall Erection of Formworks and RC Works (Ground Level) after stage 2 piling	6	23-Aug-22	29-Aug-22	-10	PST(S1) - Wall Erection of Formworks and RC Works (Ground Level)																			
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)	20	14-Jul-22	05-Aug-22	-10	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	29-Jul-22	25-Aug-22	308	PST Stage 2 - Submit to GEO (28d)																			
PST Superstructure																									
Stage 1																									
RC Works																									
Z1-PST-3650	PST - Wall Erection of Formworks and RC Works (+5.85mPD)	6	30-Aug-22	05-Sep-22	-10	PST - Wall Erection of Formworks and RC Works (+5.85mPD)																			
Z1-PST-3660	PST - Wall Erection of Formworks and RC Works (+7.5mPD)	6	06-Sep-22	13-Sep-22	-10	PST - Wall Erection of Formworks and RC Works (+7.5mPD)																			
Z1-PST-3670	PST - Intermediate Slab (+7.88mPD) and Wall Erection (+9mPD) of Falseworks, Formworks and RC Works	10	14-Sep-22	24-Sep-22	-10	PST - Intermediate Slab (+7.88mPD) and Wall Erection (+9mPD) of Falseworks, Formworks and RC Works																			
Z1-PST-3680	PST - Intermediate Slab of Falseworks, Formworks and RC Works (+9mPD)	13	26-Sep-22	12-Oct-22	-10	PST - Intermediate Slab of Falseworks, Formworks and RC Works (+9mPD)																			
CLP Substations No. 1 & 2																									
Foundation																									
CLP-1200	Raft Foundation	24	20-May-22 A	28-Jun-22 A		Raft Foundation																			
Civil Provision for CLP (drawpits & ductings)																									
CLP-1270	Ducting and Drawpits construction	45	27-Aug-22	21-Oct-22	20	Ducting and Drawpits construction																			
CLP Substation No. 1																									
CLP-1010	CLP Substation No.1 - Structure Level +3.7 to +6mPD (G/F)	15	12-Jul-22	28-Jul-22	-13	CLP Substation No.1 - Structure Level +3.7 to +6mPD (G/F)																			
CLP-1040	CLP Substation No.1 - BS and ABWF Works	48	25-Aug-22	22-Oct-22	-13	CLP Substation No.1 - BS and ABWF Works																			
CLP-1280	CLP Substation No.1 - Structure Level +6 to +11.73mPD (1/F)	28	29-Jul-22	30-Aug-22	-13	CLP Substation No.1 - Structure Level +6 to +11.73mPD (1/F)																			
CLP-1290	CLP Substation No.1 - Structure Level +11.73 to +13.11mPD (R/F)	19	31-Aug-22	22-Sep-22	-13	CLP Substation No.1 - Structure Level +11.73 to +13.11mPD (R/F)																			
CLP Substation No. 2																									
CLP-1020	CLP Substation No.2 - Structure Level +3.7 to +6mPD (G/F)	15	12-Jul-22	28-Jul-22	-13	CLP Substation No.2 - Structure Level +3.7 to +6mPD (G/F)																			
CLP-1050	CLP Substation No.2 - BS and ABWF Works	48	25-Aug-22	22-Oct-22	-13	CLP Substation No.2 - BS and ABWF Works																			
CLP-1300	CLP Substation No.2 - Structure Level +6 to +11.73mPD (1/F)	28	29-Jul-22	30-Aug-22	-13	CLP Substation No.2 - Structure Level +6 to +11.73mPD (1/F)																			
CLP-1310	CLP Substation No.2 - Structure Level +11.73 to +13.11mPD (R/F)	19	31-Aug-22	22-Sep-22	-13	CLP Substation No.2 - Structure Level +11.73 to +13.11mPD (R/F)																			
DSD 11kV Switchgear																									
CLP-1030	DSD11KV Switchgear - Structure Level +3.7 to +6mPD (G/F)	15	12-Jul-22	28-Jul-22	-13	DSD11KV Switchgear - Structure Level +3.7 to +6mPD (G/F)																			
CLP-1060	DSD11KV Switchgear - BS and ABWF Works	48	25-Aug-22	22-Oct-22	-13	DSD11KV Switchgear - BS and ABWF Works																			
CLP-1320	DSD11KV Switchgear - Structure Level +6 to +11.73mPD (1/F)	28	29-Jul-22	30-Aug-22	-13	DSD11KV Switchgear - Structure Level +6 to +11.73mPD (1/F)																			
CLP-1330	DSD11KV Switchgear - Structure Level +11.73 to +13.11mPD (R/F)	19	31-Aug-22	22-Sep-22	-13	DSD11KV Switchgear - Structure Level +11.73 to +13.11mPD (R/F)																			
Sludge Dewatering Building (SDB)																									
SDB Foundation & ELS - Stage 1																									
SDB GI - Pre-drilling Works																									
SDB At PST 2,4 Footprint																									
SDB-1350	PD4 w/ obstruction (PST4)	14	30-Aug-22	15-Sep-22	457	PD4 w/ obstruction (PST4)																			
SDB-1360	PD5 w/ obstruction (PST4)	14	30-Aug-22	15-Sep-22	457	PD5 w/ obstruction (PST4)																			
Administration Building (ADB)																									
Temporary Admin Office and Control Room																									
ADB-1040	Handover of Temp. Admin Office and Control Room	20	07-Sep-22	30-Sep-22	445	Handover of Temp. Admin Office and Control Room																			
ADB-1250	Relocation of Existing SCADA System of Admin Bldg (23) and Document Centre (24)	21	07-Sep-22	03-Oct-22	445	Relocation of Existing SCADA System of Admin Bldg (23) and Document Centre (24)																			
Temp Admin Office - MIC Section																									
ADB-1020A100	Fabrication and Delivery of MiC Unit	36	20-May-22 A	18-Jul-22	445	Fabrication and Delivery of MiC Unit																			
ADB-1020A20	Construction/Installation	41	21-Jul-22	06-Sep-22	445	Construction/Installation																			
ADB-1020A30	E&M Installation and T&C	24	10-Aug-22	06-Sep-22	445	E&M Installation and T&C																			
ADB-1020A40	Relocation of Admin Office (MiC)	18	07-Sep-22	28-Sep-22	447	Relocation of Admin Office (MiC)																			
ADB-1020A90	Completion of Admin Office (MiC)	0		28-Sep-22	448	Completion of Admin Office (MiC)																			
Zone 2 Construction																									
Temporary Diversion																									
Zone 2B : FST, Temporary RAS to Aeration Tanks																									
Temporary RAS																									
Z2B-1030	Construction of Temp RAS	21	17-May-22 A	13-Jul-22	-57	Construction of Temp RAS																			
Z2B-1040	Temp RAS E&M installation	28	22-Jul-22	23-Aug-22	-57	Temp RAS E&M installation																			
Z2B-1180	Complete Zone 2B Temporary Diversion	0		23-Sep-22	-57	Complete Zone 2B Temporary Diversion																			
Z2B-1190	Break Wall for connection to temporary RAS & Switch over	6	17-Sep-22	23-Sep-22	-57	Break Wall for connection to temporary RAS & Switch over																			
Z2B-1200	Laying of pipes from temp. RAS to Consolidation tanks & Aeration tanks	25	30-Jun-22	29-Jul-22	-36	Laying of pipes from temp. RAS to Consolidation tanks & Aeration tanks																			
Z2B-1210	T&C	20	24-Aug-22	16-Sep-22	-57	T&C																			



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

Monthly Progress Report No. 20 - 3MRP (Jun 2022)

Project ID : DWP.DPr15_220716-J
 Layout : DC201910 MPR20-3MRP
 Page 6 of 9

Monthly Progress Report No. 20 - 3MRP			
Date	Revision	Checked	Approved
30-Jun-22	Rev. 0		

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						29	05	12	19	26	03	10	17	24	31	07	14	21	28	04	11	18	25	02	
Z2B-1220	Plug-off abandoned pipes	2	24-Sep-22	26-Sep-22	-29																				
Z2B-1230	Watertightness test to temp. RAS pumping station	7	14-Jul-22	21-Jul-22	-57																				
Temporary Sewage Routing																									
Z2D-2160	Complete Demolition of PST4	0		29-Aug-22	457																				
Demolition Works																									
Advance Works																									
MBR-1480	MBR - Relocation of Noise barrier/ bird curtain	58	20-Jun-22 A	24-Aug-22	-18																				
MBR-1540	MBR- G.I. Works batch 2 (4 nos., 1 trig. nos. of G.I. subject to GEO Further Comment)	60	04-Jul-22	12-Sep-22	3																				
Z2D-4280	Submit/Approve Method Statement for Pipe Pile Works	15	11-Sep-21 A	30-Jun-22	-12																				
Other Existing Pumping Stations																									
Z2T-152	Demolition of Return Activated Sludge ScrewPumps PS (16) & Chamber (33)	48	24-Sep-22	21-Nov-22	-57																				
Z2T-154	Demolition of Flow Measurement Chamber (34) & SSD Chamber (32)	48	24-Sep-22	21-Nov-22	-57																				
Z2T-154B	Demolition of Settled Sewage Overflow Chamber (31)	25	07-Jul-22	04-Aug-22	10																				
Mainstream Bio-Reactor & Auxiliary Facility (MBR and AF)																									
MBR and AF Structure																									
MBR - ELS Excavation & Demolition stage 1																									
MBRAF-1010	MBR - Pipe Pile Install (approx. 391m, 9,390m2 @ 120m2/d) After Advance works (zone 2A)	58	21-Jul-22	27-Sep-22	-35																				
MBRAF-1460	MBR - Monitoring Installation	18	28-Sep-22	20-Oct-22	-28																				
MBRAF-1500	MBR - Decommissioning & Demolition of PST 4	31	25-Jul-22*	29-Aug-22	-11																				
MBRAF-1540	MBR - Backfilling, advance coring for king post installation & wells installation	25	15-Jun-22 A	23-Jul-22	-35																				
MBRAF-1550	MBR - King post installation at AT footprint	30	25-Jul-22	27-Aug-22	-35																				
Tertiary Treatment System (TTS)																									
Foundation and ELS																									
EBS-2135	Egrets Breeding Season 2022	184	01-Mar-22 A	01-Sep-22*	-3																				
TTS-1000	TTS - Site Clearance	15	11-May-22 A	14-Jul-22	-37																				
TTS-1010	TTS - Sheet Piles Install (4,639m2 @120m2/d)	52	12-Aug-22	14-Oct-22	-61																				
TTS-1230	TTS - Monitoring Installation and Pumping Test	21	24-Sep-22	20-Oct-22	-61																				
Zone 3 Construction																									
Stage 1																									
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	23-Jul-22	-166																				
Digested Sludge Pumping Station (Location F)																									
Z3B-330	T&C Works (ATAL)	8	30-Jun-22	09-Jul-22	1663																				
Pipe Connection																									
Z3A-000370	240m3 Temp SHT Completion (Location B)	0		20-Jun-22 A																					
Z3A-000390	Digested Sludge Pumping Station Completion (Location F)	0		09-Jul-22	1663																				
Z3A-000400	Temp. Water Heater House Completion (Location C)	0		23-Jul-22	-130																				
Z3A-000410	Completion of Zone 3A Diversion	0		22-Aug-22	1631																				
Sludge/Supernatant DI Pipe																									
Z3A-000360	Connection between SDT and Temp. SHT & SDB	5	11-Jul-22	15-Jul-22	1663																				
Gas Pipe - SS316L																									
DN300 from Gas Holders to Compressor House																									
Z3A-000380	Connection at Gas Holders	10	31-May-22 A	17-Jun-22 A																					
Z3A-000420	Connection at Compressor House	5	18-Jun-22 A	24-Jun-22 A																					
DN300 from SDT, Compressor House to Gas Holders																									
Z3A-000450	Connection at Gas Holders	10	05-May-22 A	24-Jun-22 A																					
Z3A-000460	Gas Purging of SDT No.2 (YLEPP)	21	05-May-22 A	15-Jun-22 A																					
Z3A-000470	Connection at SDT No.2,3 & 4	1	15-Jun-22 A	18-Jun-22 A																					
Z3A-000480	Gas Purging of SDT No.1 (YLEPP)	21	04-Jun-22 A	29-Jun-22 A																					
Z3A-000490	Connection at SDT No.1	1	30-Jun-22 A	30-Jun-22 A																					
DN200 from Gas Holder to Temp. Water Heater House																									
Z3A-000440	Connection at Gas Holders	10	25-May-22 A	24-Jun-22 A																					
Hotwater DI Pipe																									
Z3A-000500	Connection between Compressor House and Temp. Water Heater House	2	29-Jun-22 A	30-Jun-22 A																					
Zone 3B (at STB)																									
Gravity Thickening Tank (Location A)																									
Z3B-000110	T&C Works (North & South Tank) (ATAL)	22	15-Jun-22 A	13-Jul-22	-132																				
Z3B-000260	Temp. Gravity Thickening Tank (Location A) Completion	0		13-Jul-22	-132																				
Temporary Primary Sludge Pumping Station (Location D)																									



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

Monthly Progress Report No. 20 - 3MRP (Jun 2022)

Project ID : DWP.DPr15_220716-J
 Layout : DC201910 MPR20-3MRP
 Page 7 of 9

Monthly Progress Report No. 20 - 3MRP			
Date	Revision	Checked	Approved
30-Jun-22	Rev. 0		

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						29	05	12	19	26	03	10	17	24	31	07	14	21	28	04	11	18	25	02	
						Gantt Chart Area																			
Z3A-290	Civil and Structural Works Construction	27	25-Mar-22 A	16-Jul-22	-158	Civil and Structural Works Construction																			
Z3A-300	E&M Installation (ATAL)	14	12-Jul-22	27-Jul-22	-158	E&M Installation (ATAL)																			
Z3A-310	T&C Works (ATAL)	14	28-Jul-22	12-Aug-22	-158	T&C Works (ATAL)																			
Z3A-430	Temp. Primary Sludge Pumping Station (Location D) Completion	0		12-Aug-22	-158	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)	38	02-Jul-22	15-Aug-22	-160	E&M Works (ATAL) & T&C (ATAL)																			
Z3B-000270	Temp. Thickening Sludge/Supernatant Pumping Station (Location E1) Completion	0		15-Aug-22	-160	Temp. Thickening Sludge/Supernatant Pumping Station (Location E1) Completion																			
Z3B-000450	Civil and Structural Works Construction	20	19-Jun-22 A	12-Jul-22	-160	Civil and Structural Works Construction																			
Relocation of Ferric Chloride (FeCl3) Dosing System & LV Switchboard (Location E2)																									
Z3B-000200	E&M Works (ATAL) & T&C Works (ATAL)	40	09-Jun-22 A	06-Aug-22	-153	E&M Works (ATAL) & T&C Works (ATAL)																			
Z3B-000280	FeCl3 Relocation (Location E2) Completion	0		06-Aug-22	-153	FeCl3 Relocation (Location E2) Completion																			
Pipe Laying																									
Z3B-000240	Pipe Installation from CT to MH2 (Batch 1 - DN250 Supernatant)	20	18-Dec-21 A	12-Jul-22	-130	Pipe Installation from CT to MH2 (Batch 1 - DN250 Supernatant)																			
Z3B-000350	Pipe Installation from Location A to Location E (Batch 6 - DN250 Supernatant)	36	31-Dec-21 A	21-Jul-22	-139	Pipe Installation from Location A to Location E (Batch 6 - DN250 Supernatant)																			
Z3B-000360	Pipe Installation from Location A to Location E & SDT (Batch 7 - DN200 Sludge)	36	17-Jan-22 A	21-Jul-22	-139	Pipe Installation from Location A to Location E & SDT (Batch 7 - DN200 Sludge)																			
Z3B-000370	Pipe Installation from Temp. Primary Sludge Pumping Station (Location D) to CT (Batch 7 - DN200 Sludge)	20	17-Jan-22 A	12-Jul-22	-131	Pipe Installation from Temp. Primary Sludge Pumping Station (Location D) to CT (Batch 7 - DN200 Sludge)																			
Pipe Connection																									
Z3B-000380	Connection at Temp. Thickened Sludge/ Supernatant Pumping Station (Location E1)	1	16-Aug-22	16-Aug-22	-160	Connection at Temp. Thickened Sludge/ Supernatant Pumping Station (Location E1)																			
Z3B-000390	Temp. Gravity Thickening Tank (Location A) Completion	0		13-Jul-22	-132	Temp. Gravity Thickening Tank (Location A) Completion																			
Z3B-000400	Temp. Primary Sludge Pumping Station (Location D) Completion	0		12-Aug-22	-158	Temp. Primary Sludge Pumping Station (Location D) Completion																			
Z3B-000410	Connection at Temp. Primary Sludge Pumping Station (Location D)	1	13-Aug-22	13-Aug-22	-158	Connection at Temp. Primary Sludge Pumping Station (Location D)																			
Z3B-000420	FeCl3 System (Location E) Relocation Completion	0		06-Aug-22	-153	FeCl3 System (Location E) Relocation Completion																			
Z3B-000430	Temp. Thickened Sludge/ Supernatant Pumping Station (Location E1) Completion	0		15-Aug-22	-160	Temp. Thickened Sludge/ Supernatant Pumping Station (Location E1) Completion																			
Z3B-000435	Completion of Zone 3B Diversion - time risk allowance	9	17-Aug-22	26-Aug-22	-160	Completion of Zone 3B Diversion - time risk allowance																			
Z3B-000440	Completion of Zone 3B Diversion	0		26-Aug-22	-160	Completion of Zone 3B Diversion																			
Advance Works																									
Z3S1A-3010	Completion of Stage 1 (Construction & E&M for Temporary facilities)	0		23-Jul-22	-130	Completion of Stage 1 (Construction & E&M for Temporary facilities)																			
Stage 1 Demolition Works																									
SHT 3&4 Demolition Works below ground																									
Z3A-000030	Demolition Works for Sludge Holding Tank No. 4 (below ground)	25	16-Jun-22 A	12-Jul-22	-126	Demolition Works for Sludge Holding Tank No. 4 (below ground)																			
Z3A-000140	Backfill to Ground Level	7	07-Jul-22	14-Jul-22	-173	Backfill to Ground Level																			
UC Decommission Works																									
Z3A-000110	Decommission Works for Existing Utilities Gallery	12	23-Aug-22	05-Sep-22	1631	Decommission Works for Existing Utilities Gallery																			
Stage 2																									
Stage 2 : New Sludge Thickening Building (STB)																									
Stage 2 - Demolition Works																									
ATALZ3S1-1050	Switching Duty from SDT No.1 & 2 to SDT No.1 & 3 (9) for STB Demolition and Utility Corridor Construction	23	30-Jun-22	27-Jul-22	-56	Switching Duty from SDT No.1 & 2 to SDT No.1 & 3 (9) for STB Demolition and Utility Corridor Construction																			
ATALZ3S1-2210	Switching Duty from SDT No.1 & 3 to SDT No. 3 & 4 (9) for STB Construction	15	25-Jul-22	10-Aug-22	-68	Switching Duty from SDT No.1 & 3 to SDT No. 3 & 4 (9) for STB Construction																			
Z3S2-2030	Demolition of Existing Sludge Thickening House (8, Air Floatation Thickener)	35	26-Aug-22	08-Oct-22	-68	Demolition of Existing Sludge Thickening House (8, Air Floatation Thickener)																			
Z3S2-2040	Demolition of Consolidation Tank (7) C1 & C2	24	27-Aug-22	24-Sep-22	-53	Demolition of Consolidation Tank (7) C1 & C2																			
Z3S2-2050	Submission of Demolition Plan for STB, Review by PM(28d), Resubmission(14d), Obtain Approval(7d)	49	15-Mar-22 A	30-Jul-22	-46	Submission of Demolition Plan for STB, Review by PM(28d), Resubmission(14d), Obtain Approval(7d)																			
Z3S2-2310	Submission of Method Statement for demolition of STB, Review by PM(28d), Resubmission(14d), Obtain Approval(7d)	26	30-Jun-22	30-Jul-22	-46	Submission of Method Statement for demolition of STB, Review by PM(28d), Resubmission(14d), Obtain Approval(7d)																			
Stage 2 : STB Pre-drilling Works																									
Z3S1a.7-70	Complete Predrilling Works for STB	0		19-Sep-22	26	Complete Predrilling Works for STB																			
Z3S3-3480	Predrilling Works (2 nos. STB-PD7,9)	10	07-Sep-22	19-Sep-22	-34	Predrilling Works (2 nos. STB-PD7,9)																			
Z3S3-3490	Environment GI (4 nos., 7d/no., 2 rigs) & Submit RAP Report to EPD (30 days)	14	26-Sep-22	13-Oct-22	-60	Environment GI (4 nos., 7d/no., 2 rigs) & Submit RAP Report to EPD (30 days)																			
Stage 2 : Existing Sludge Holding Tanks																									
Z3S1a.7-60	Completion Connection to Temporary SHT & Dewatering House	0		23-Jul-22	-130	Completion Connection to Temporary SHT & Dewatering House																			
Z3S2-2010	Demolition of SHT 2 (10) superstructure	20	29-Aug-22	21-Sep-22	-160	Demolition of SHT 2 (10) superstructure																			
Z3S2-2015	Demolition of SHT 1 (10)	26	23-Jun-22 A	19-Jul-22	-172	Demolition of SHT 1 (10)																			
Z3S2.5-10	Demolition of Existing Water Heater House	25	25-Jul-22	22-Aug-22	-166	Demolition of Existing Water Heater House																			
Stage 2 : Biogas Holder No. 1																									
Z3BH-0995	Biogas Holder No. 1 - GI Works	21	16-May-22 A	13-Jul-22	-172	Biogas Holder No. 1 - GI Works																			
Z3BH-1000	Biogas Holder No. 1 - Band drain Installation for Ground Improvement	25	15-Jul-22	12-Aug-22	-173	Biogas Holder No. 1 - Band drain Installation for Ground Improvement																			
Z3BH-1040	Biogas Holder No. 1 - Surge	18	25-Aug-22	15-Sep-22	-173	Biogas Holder No. 1 - Surge																			
Z3BH-1050	Biogas Holder No. 1 - Consolidation test	70	16-Sep-22	08-Dec-22	-173	Biogas Holder No. 1 - Consolidation test																			
Z3BH-1060	Biogas Holder No. 1 - Band drain Installation for Ground Improvement @ SHT 1 and existing water heater house	10	13-Aug-22	24-Aug-22	-173	Biogas Holder No. 1 - Band drain Installation for Ground Improvement @ SHT 1 and existing water heater house																			
Stage 2 : Utility Corridor Construction																									
ATALZ3S1-2230	Switching Duty from SDT No.4 to No. 1 (9)	23	14-Sep-22	12-Oct-22	30	Switching Duty from SDT No.4 to No. 1 (9)																			
Stage 3																									
Stage 3 : New Sludge Thickening Building (STB) (Continued)																									
Stage 3 : STB - Driven H-pile																									



- 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. 20 - 3MRP (Jun 2022)

Project ID : DWP.DPr15_220716-J
 Layout : DC201910 MPR20-3MRP
 Page 8 of 9

Monthly Progress Report No. 20 - 3MRP			
Date	Revision	Checked	Approved
30-Jun-22	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	June 20					July 21				August 22				September 23				October 24
						29	05	12	19	26	03	10	17	24	31	07	14	21	28	04	11	18	25
Z3S3-3500	STB - Driven H-pile Start	0	06-Jul-22		-68						◆ STB - Driven H-pile Start												
Z3S3-3510	STB - Driven H-pile Zone P1 (23 nos., 1219m) @40m/day	31	06-Jul-22	10-Aug-22	-68						STB - Driven H-pile Zone P1 (23 nos., 1219m) @40m/day												
Z3S3-3520	STB - Driven H-pile Zone P2 (37 nos., 1961m) @60m/day	33	14-Sep-22	24-Oct-22	-68																		
Z3S3-3540	STB - Driven H-pile Zone P3 (12 nos., 636m) @20m/day	32	27-Aug-22	06-Oct-22	-61																		
Z3S3-3550	STB - Driven H-pile Zone P4A&B (21 nos., 1113m) @40m/day	28	11-Aug-22	13-Sep-22	-68																		
Stage 3 : STB Foundation and ELS																							
Z3S3-3010	STB - Site Setup & Mobilization	9	15-Jun-22 A	05-Jul-22	-68						STB - Site Setup & Mobilization												
Stage 4																							
Stage 4 : New Sludge Digester No. 1-3 (Continued)																							
Stage 4 : SD 1-3 Foundation and ELS																							
Z3S3-2045	Backfilling after SHT 4 demolition	10	13-Jul-22	23-Jul-22	-126						Backfilling after SHT 4 demolition												
Z3S3-2050	Sludge Digester No. 1-3 - Sheet Piles Install Portion 1 (SHT 4 area)	16	25-Jul-22	11-Aug-22	-126						Sludge Digester No. 1-3 - Sheet Piles Install Portion 1 (SHT 4 area)												
Z3S3-2060	Sludge Digester No. 1-3 - Sheet Piles Install Portion 2 (3,128m2 @90m2/d)	36	22-Sep-22	04-Nov-22	-160																		
Stage 7																							
Stage 7: New Sludge Digester No. 4																							
Stage 7 : SD 4 Foundation and ELS Works																							
Z3S8SD-2000	Sludge Digester No. 4 - Pre-drill (1 no. SD-BH6)	14	16-May-22 A	14-Jun-22 A							Sludge Digester No. 4 - Pre-drill (1 no. SD-BH6)												
Stage 7 : New Sludge Digester No. 5 and 6																							
Stage 7 : SD 5,6 Foundation and ELS Works																							
Z3S8SD-1010	Sludge Digester No. 5-6 - Pre-drill (3 nos. SD-BH1,SD-BH3,SD-BH4)	48	13-Sep-22	09-Nov-22	769																		



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

Contract DC/2019/10 - YLEPP - Main Works for Stage 1
Monthly Progress Report No. 20 - 3MRP (Jun 2022)

Project ID : DWP.DPr15_220716-J
Layout : DC201910 MPR20-3MRP
Page 9 of 9

Monthly Progress Report No. 20 - 3MRP			
Date	Revision	Checked	Approved
30-Jun-22	Rev. 0		