

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	December					January				February				March			April
						14					15				16				17			18
						28	05	12	19	26	02	09	16	23	30	06	13	20	27	06	13	20
<b>YL Effluent Polishing Plant - Main Works Stage 1 - Detailed Works Programme DWP rev.9</b>																						
UPDATE-R18	Data Date DWP Revision 9	0		31-Dec-21 A																		
UPDATE-R7	Data Date DWP Revision 8	0		30-Nov-21 A																		
<b>Contract Data Part 1</b>																						
<b>Access Dates</b>																						
ADWA2	Work Area WA2 (sd) (new site possession) validity for 12 months and subject to renewal	365	05-Mar-21 A	04-Mar-22*	0																	
<b>Environmental Constraints</b>																						
EBS-2155	Egrets Breeding Season 2022	184	01-Mar-22*	31-Aug-22	0																	
<b>Preliminary and Preparation Works</b>																						
ESUM-010	Subletting	331	09-Nov-20 A	08-Oct-22	779																	
ESUM-020	Design Submission	1248	30-Jan-21 A	10-May-25	198																	
ESUM-030	Material Submission, Procurement, Manufacturing and Delivery	241	09-Nov-20 A	04-Jan-22	637																	
ESUM-040	Site Establishment Works	1337	09-Nov-20 A	05-Jun-25	307																	
ESUM-050	PM and Contractor Accommodation	213	18-Feb-21 A	06-Jun-22	1																	
<b>Subletting</b>																						
SUB-230	Subletting for CLP Substation No.1 & 2 Structure	100	01-Jun-21 A	31-Dec-21	125																	
SUB-240	Subletting for CLP Substation No.1 & 2 ABWF & BS	100	30-Aug-21 A	16-Feb-22	173																	
SUB-250	Subletting for Ground Improvement works for Biogas Holder	86	07-Jul-21 A	31-Dec-21	66																	
SUB-270	Subletting for ELS works for IW, PST, SDB, STB, SD, MBB, TTB, underpass and open cut for admin. bldg	50	12-Oct-21 A	31-Dec-21	184																	
SUB-280	Subletting for RC works for IW, PST, SDB, STB, SD, Biogas holder, underpass and admin. bldg	105	29-Nov-21 A	13-Apr-22	3																	
SUB-310	Subletting for Utilities Corridor ELS	90	31-Jan-22	30-Apr-22	26																	
SUB-350	Subletting for Waterproofing membrane and protection board	86	29-Nov-21 A	10-Mar-22	209																	
SUB-360	Subletting for Rebar fixing	86	29-Nov-21 A	24-Feb-22	3																	
SUB-380	Subletting for Sheet piling works for remaining areas	150	12-Oct-21 A	10-May-22	50																	
<b>Design Submission</b>																						
<b>Temporary Works Design</b>																						
<b>Inlet Work and Primary Sedimentation Tank</b>																						
TWD-440	ELS Stage 2 - Resubmission for PMs & ICE review (7d prep & resub. + 7d ICE)	15	22-Jul-21 A	31-Dec-21	251																	
TWD-510	ELS Stage 2 - Submit to GEO (Dewatering Proposal)	30	05-Sep-21 A	04-Jan-22	251																	
<b>Mainstream Bio-Reactor System</b>																						
TWD-220	ELS - Prepare & Submission for PMs review	45	01-Sep-21 A	14-Feb-22	210																	
TWD-230	ELS - Review by PMs & ICE review (28 d + 7d)	35	16-Oct-21 A	15-Feb-22	209																	
TWD-240	ELS - Resubmission for PMs & ICE review (7d prep & resub. + 7d ICE)	14	16-Feb-22	01-Mar-22	209																	
TWD-250	ELS - Obtain Approval	7	30-Mar-22	05-Apr-22	209																	
TWD-520	ELS - Submit to GEO	28	02-Mar-22	29-Mar-22	209																	
<b>Sludge Thickening Building</b>																						
TWD-180	ELS - Prepare & Submission for PMs review	42	12-Jan-22*	22-Feb-22	80																	
TWD-190	ELS - Review by PMs & ICE review (28 d + 7d)	35	23-Feb-22	29-Mar-22	80																	
TWD-200	ELS - Resubmission for PMs & ICE review (7d prep & resub. + 7d ICE)	14	30-Mar-22	12-Apr-22	80																	
<b>Tertiary Treatment System</b>																						
TWD-140	ELS - Prepare & Submission for PMs review	45	02-Dec-21 A	13-Feb-22	59																	
TWD-150	ELS - Review by PMs & ICE review (28 d + 7d)	35	14-Feb-22	20-Mar-22	59																	
TWD-160	ELS - Resubmission for PMs & ICE review (7d prep & resub. + 7d ICE)	14	21-Mar-22	03-Apr-22	59																	
<b>Utilities Corridor</b>																						
TWD-340	ELS - Prepare & Submission for PMs review	45	31-Aug-21 A	31-Dec-21	26																	
TWD-350	ELS - Review by PMs & ICE review (28 d + 7d)	35	15-Oct-21 A	19-Jan-22	26																	
TWD-360	ELS - Resubmission for PMs & ICE review (7d prep & resub. + 7d ICE)	14	10-Jan-22	23-Jan-22	26																	
TWD-370	ELS - Obtain Approval	7	24-Jan-22	30-Jan-22	26																	
TWD-560	ELS - Submit to GEO (Dewatering Proposal)	28	03-Jan-22	30-Jan-22	34																	
<b>Sludge Digester</b>																						
TWD-460	ELS - Prepare & Submission for PMs review	45	31-Jan-22	16-Mar-22	389																	
TWD-470	ELS - Review by PMs & ICE review (28 d + 7d)	35	17-Mar-22	20-Apr-22	389																	
<b>Contractor's Permanent Works Design (include ATAL)</b>																						
<b>AIP</b>																						
<b>Package 2A - Tertiary Treatment System (TTS)</b>																						
AIP-480	E&MAIP Report for Tertiary Treatment System (TTS) - Resubmission for further review	14	21-Jan-22*	03-Feb-22	332																	
AIP-490	E&MAIP Report for Tertiary Treatment System (TTS) - Obtain Approval	7	04-Feb-22	10-Feb-22	332																	
<b>Package 3A - Plant Service Water</b>																						
AIP-520	E&MAIP Report for Plant Service Water - Resubmission for further review	14	14-Jan-22*	27-Jan-22	558																	
AIP-530	E&MAIP Report for Plant Service Water - Obtain Approval	7	28-Jan-22	03-Feb-22	558																	
<b>Package 4A - E&amp;M Report for Temp. Diversion Chamber and Pumping Station</b>																						



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

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

### Monthly Progress Report No. 14 - 3MRP (Decemeber 2021)

Project ID : DWP.DPr9\_220111  
 Layout : DC201910 2 3MRP\_rev.9  
 Date : 12-Jan-22 / Page 1 of 10

Monthly Progress Report No. 12 - 3MRP			
Date	Revision	Checked	Approved
31-Dec-21	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	December					January					February					March					April
						14					15					16					17					18
						28	05	12	19	26	02	09	16	23	30	06	13	20	27	06	13	20	27	03		
AIP-560	Advance Works - E&M Report for Temporary Diversion Chamber and Pumping Station - Resubmission for further review	14	01-Dec-21 A	15-Dec-21 A		[Gantt bar: 01-Dec-21 to 15-Dec-21]																				
AIP-570	Advance Works - E&M Report for Temporary Diversion Chamber and Pumping Station - Obtain Approval	7	16-Dec-21 A	22-Dec-21 A		[Gantt bar: 16-Dec-21 to 22-Dec-21]																				
<b>Package 6A - Control &amp; Monitoring System</b>																										
AIP-180	Control & Monitoring System - Prepare & Submission for PMs review	36	07-Jan-22*	11-Feb-22	112	[Gantt bar: 07-Jan-22 to 11-Feb-22]																				
AIP-190	Control & Monitoring System - Review by PMs & ICE review (28 d + 7d)	35	12-Feb-22	18-Mar-22	112	[Gantt bar: 12-Feb-22 to 18-Mar-22]																				
AIP-200	Control & Monitoring System - Resubmission for further review	14	19-Mar-22	01-Apr-22	112	[Gantt bar: 19-Mar-22 to 01-Apr-22]																				
<b>Package 7A - Building Services System</b>																										
AIP-240	BS System - Resubmission for further review	14	14-Jan-22*	27-Jan-22	206	[Gantt bar: 14-Jan-22 to 27-Jan-22]																				
AIP-250	BS System - Obtain Approval	7	28-Jan-22	03-Feb-22	206	[Gantt bar: 28-Jan-22 to 03-Feb-22]																				
<b>Package 9A - E&amp;M AIP Report for Inlet Work (IW)</b>																										
AIP-690	IW - Resubmission for further review	14	14-Jan-22*	27-Jan-22	350	[Gantt bar: 14-Jan-22 to 27-Jan-22]																				
AIP-700	IW - Obtain Approval	7	28-Jan-22	03-Feb-22	350	[Gantt bar: 28-Jan-22 to 03-Feb-22]																				
<b>Package 10A - E&amp;M AIP Report for Primary Sedimentation Tank (PST)</b>																										
AIP-730	IW - Resubmission for further review	14	07-Jan-22*	20-Jan-22	297	[Gantt bar: 07-Jan-22 to 20-Jan-22]																				
AIP-740	IW - Obtain Approval	7	21-Jan-22	27-Jan-22	297	[Gantt bar: 21-Jan-22 to 27-Jan-22]																				
<b>Package 14A - E&amp;M AIP Report for Deodorization Unit System</b>																										
AIP-850	DEO - Resubmission for further review	14	28-Jan-22*	10-Feb-22	276	[Gantt bar: 28-Jan-22 to 10-Feb-22]																				
AIP-860	DEO - Obtain Approval	7	11-Feb-22	17-Feb-22	276	[Gantt bar: 11-Feb-22 to 17-Feb-22]																				
<b>Package 15A - Civil, Structural &amp; Geotechnical</b>																										
AIP-400	Civil, Structural & Geotechnical - Resubmission for further review	14	05-Jan-22*	18-Jan-22	327	[Gantt bar: 05-Jan-22 to 18-Jan-22]																				
AIP-410	Civil, Structural & Geotechnical - Obtain Approval	7	19-Jan-22	25-Jan-22	327	[Gantt bar: 19-Jan-22 to 25-Jan-22]																				
<b>Package 16A - E&amp;M AIP Report for Hydraulic Design</b>																										
AIP-890	Hydraulic - Resubmission for further review	14	05-Jan-22*	18-Jan-22	564	[Gantt bar: 05-Jan-22 to 18-Jan-22]																				
AIP-900	Hydraulic - Obtain Approval	38	19-Jan-22	25-Feb-22	564	[Gantt bar: 19-Jan-22 to 25-Feb-22]																				
<b>Pipeworks System</b>																										
AIP-320	Pipeworks System - Resubmission for PMs review	14	01-Dec-21 A	14-Dec-21 A		[Gantt bar: 01-Dec-21 to 14-Dec-21]																				
AIP-330	Pipeworks System - Obtain Approval	7	15-Dec-21 A	21-Dec-21 A		[Gantt bar: 15-Dec-21 to 21-Dec-21]																				
<b>Architecture</b>																										
AIP-370	Architecture - Obtain Approval	7	06-Dec-21 A	12-Dec-21 A		[Gantt bar: 06-Dec-21 to 12-Dec-21]																				
<b>DDA</b>																										
<b>Package 1 - General Architecture, Civil, Structural &amp; Geotechnical</b>																										
DDA-1080	Contractor's Design for General Architecture, Civil, Structural & Geotechnical - Submit to GEO for comment and approval	28	19-Jan-22	15-Feb-22	327	[Gantt bar: 19-Jan-22 to 15-Feb-22]																				
DDA-120	Contractor's Design for General Architecture, Civil, Structural & Geotechnical - Resubmission for further review	14	05-Jan-22*	19-Jan-22	327	[Gantt bar: 05-Jan-22 to 19-Jan-22]																				
DDA-130	Contractor's Design for General Architecture, Civil, Structural & Geotechnical - Obtain Approval	7	09-Feb-22	15-Feb-22	327	[Gantt bar: 09-Feb-22 to 15-Feb-22]																				
<b>Package 2 - Tertiary Treatment System</b>																										
DDA-140	Architectural for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	16-Feb-22	21-Jun-22	327	[Gantt bar: 16-Feb-22 to 21-Jun-22]																				
DDA-150	Foundation for TTS - Prepare (90d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d), GEO (28d)	184	08-Oct-21 A	02-Jun-22	342	[Gantt bar: 08-Oct-21 to 02-Jun-22]																				
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	18-Feb-22	284	[Gantt bar: 13-Jun-21 to 18-Feb-22]																				
DDA-180	Civil Req. for TTS (Superstruct. design) - Prepare (147d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	213	11-Oct-21 A	30-Jun-22	190	[Gantt bar: 11-Oct-21 to 30-Jun-22]																				
DDA-190	P&ID for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	31-Dec-21 A	05-May-22	593	[Gantt bar: 31-Dec-21 to 05-May-22]																				
DDA-200	Mechanical for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	31-Dec-21 A	05-May-22	593	[Gantt bar: 31-Dec-21 to 05-May-22]																				
DDA-210	Electrical& Control for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	31-Dec-21 A	05-May-22	593	[Gantt bar: 31-Dec-21 to 05-May-22]																				
DDA-220	Building Services (BS) for TTS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	04-Feb-22	09-Jun-22	558	[Gantt bar: 04-Feb-22 to 09-Jun-22]																				
<b>Package 3 - Mainstream Bio-Reactor System</b>																										
DDA-230	Architectural for MBS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	05-Oct-21 A	05-Apr-22	244	[Gantt bar: 05-Oct-21 to 05-Apr-22]																				
DDA-240	Foundation for MBS - Prepare (97d), Sub. & Review(45d), Comment & Resub.(14d),GEO (28d) & Approval (7d)	191	06-Mar-22	12-Sep-22	244	[Gantt bar: 06-Mar-22 to 12-Sep-22]																				
DDA-260	Civil Req. for MBS-AGS (Foundation design) - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	09-Jun-21 A	25-Feb-22	248	[Gantt bar: 09-Jun-21 to 25-Feb-22]																				
DDA-270	Civil Req. for MBS-AGS (Superstruct. design) - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	15-Sep-21 A	05-Mar-22	358	[Gantt bar: 15-Sep-21 to 05-Mar-22]																				
DDA-280	P&ID for TTS - MBS (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	08-Oct-21 A	09-Apr-22	640	[Gantt bar: 08-Oct-21 to 09-Apr-22]																				
DDA-290	Mechanical for MBS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	08-Oct-21 A	09-Apr-22	640	[Gantt bar: 08-Oct-21 to 09-Apr-22]																				
DDA-300	Electrical& Control for MBS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	08-Oct-21 A	09-Apr-22	640	[Gantt bar: 08-Oct-21 to 09-Apr-22]																				
DDA-310	Building Services (BS) for MBS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	08-Oct-21 A	09-Apr-22	640	[Gantt bar: 08-Oct-21 to 09-Apr-22]																				
<b>Package 5A - Master Water Meter Room</b>																										
DDA-360	Foundation for Master Water Meter RM- Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d),GEO(28d) & Approval (7d)	154	28-Jan-22*	30-Jun-22	992	[Gantt bar: 28-Jan-22 to 30-Jun-22]																				
<b>Package 5B - Plant Service Water (PSW)</b>																										
DDA-1050	Civil Requirement Drawings - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	12-Jun-21 A	11-Mar-22	429	[Gantt bar: 12-Jun-21 to 11-Mar-22]																				
DDA-1060	Electrical & Control for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	31-Aug-21 A	05-Mar-22	654	[Gantt bar: 31-Aug-21 to 05-Mar-22]																				
DDA-1070	Mechanical for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	31-Aug-21 A	05-Mar-22	654	[Gantt bar: 31-Aug-21 to 05-Mar-22]																				
<b>Package 6 - Sludge Thickening Chemical and Dosing System</b>																										
DDA-1120	P&ID for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	28-Jun-21 A	25-Feb-22	361	[Gantt bar: 28-Jun-21 to 25-Feb-22]																				
DDA-1130	Mechanical for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	28-Jun-21 A	21-Feb-22	365	[Gantt bar: 28-Jun-21 to 21-Feb-22]																				
DDA-1140	Electrical & Control for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	28-Jun-21 A	25-Feb-22	361	[Gantt bar: 28-Jun-21 to 25-Feb-22]																				



- 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. 14 - 3MRP (Decemeber 2021)

Project ID : DWP.DPr9\_220111  
 Layout : DC201910 2 3MRP\_rev.9  
 Date : 12-Jan-22 / Page 2 of 10

Monthly Progress Report No. 12 - 3MRP			
Date	Revision	Checked	Approved
31-Dec-21	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	December					January					February					March					April
						14					15					16					17					18
						28	05	12	19	26	02	09	16	23	30	06	13	20	27	06	13	20	27	03		
DDA-1150	Building Services for STCDS - Prepare (60d), Sub. & Review (45d) ,Comment & Resub.(14d) & Approval (7d)	126	28-Jun-21 A	25-Feb-22	361																					
DDA-420	Arch. for STCS, Waste Gas Burner & Guard Hse - Prepare (60d), Sub. & Review.(45d) ,Com. & Resub.(14d) & Appr	126	05-Oct-21 A	04-Apr-22	146																					
DDA-430	Found.for STCS,WasteGasBurner &Guard Hse- Prepare(60d),Sub.&Review(45d),Comment & Resub.(14d),GEO(28d)	126	06-Mar-22	09-Jul-22	146																					
DDA-440	Civil & Struct. for STCS, WGB & Guard Hse - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Appr	126	09-Nov-21 A	09-Apr-22	318																					
DDA-440B	Civil Req. for STCDS - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	126	28-Jun-21 A	18-Feb-22	368																					
<b>Package 7 - CLP Substation and 11kV Switchgear House</b>																										
DDA-1160	Earthing & Lighting System Design Report - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Appr	78	02-Jul-21 A	25-Feb-22	74																					
DDA-1450	VCAB, FSD & WSD Design Report - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approval (7c	78	02-Jul-21 A	25-Feb-22	74																					
DDA-450	Found.for CLP Sub. & 11kV Switchgear Hse- Prepare (30d),Sub.&Review(30d) ,Comment&Resub.(14d),GEO(28d)	82	01-Jun-21 A	11-Feb-22	74																					
DDA-460	Civil&Struct. for CLP Sub. & 11kV Switchgear Hse- Prep. (30d), Sub. & Review.(30d) ,Comment & Resub.(14d) & A	82	01-Jun-21 A	11-Feb-22	74																					
DDA-470	Electrical System for all facilities - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approval (7d)	78	01-Jun-21 A	25-Feb-22	74																					
DDA-480	UPS System for CLPSub.&11kV Switchgear Hse - Prepare (102d), Sub. & Review.(45d),Comment & Resub.(14d)&	168	03-Jun-21 A	25-Feb-22	221																					
DDA-490	BS for CLP Sub. & 11kV Switchgear Hse - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approv	78	01-Jun-21 A	25-Feb-22	164																					
<b>Package 8 - Advance Works and SCADA Relocation</b>																										
DDA-500	Mechanical for Advance Works - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	78	22-May-21 A	25-Feb-22	35																					
DDA-510	Electrical & Control for Advance Works - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approva	78	04-Jun-21 A	18-Feb-22	42																					
DDA-520	BS for Advance Works - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	78	04-May-21 A	25-Feb-22	35																					
DDA-530	E&M for Advance Works - SCADA Relocation - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Ap	76	24-Jun-21 A	25-Feb-22	35																					
<b>Package 9 - Inlet Work (IW)</b>																										
DDA-1170	Civil Req. Drawing for Inlet Work - Prepare (30d), Sub. & Review.(30d) ,Comment & Resub.(14d) & Approval (7d)	82	10-Jun-21 A	25-Feb-22	328																					
DDA-1180	PID for Inlet Work - Prepare (30d), Sub. & Review.(30d) ,Comment & Resub.(14d) & Approval (7d)	82	10-Jun-21 A	25-Feb-22	328																					
DDA-1190	Mechanical for Inlet Work - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approval (7d)	78	09-Aug-21 A	25-Feb-22	328																					
DDA-1200	Electrical & Control for Inlet Work - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approval (7d)	78	31-Aug-21 A	25-Feb-22	328																					
DDA-1210	Building Services for Inlet Work - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approval (7d)	76	15-Oct-21 A	10-Mar-22	358																					
<b>Package 10 - Primary Sedimentation Tank (PST)</b>																										
DDA-1220	Civil Req. Drawing for PST - Prepare (46d), Sub. & Review(30d) ,Comment & Resub.(14d) & Approval (7d)	98	01-Jun-21 A	25-Feb-22	593																					
DDA-1230	PID for PST - Prepare (46d), Sub. & Review(30d) ,Comment & Resub.(14d) & Approval (7d)	98	01-Jun-21 A	25-Feb-22	593																					
DDA-1240	Mechanical for PST - Prepare (46d), Sub. & Review(30d) ,Comment & Resub.(14d) & Approval (7d)	98	01-Jun-21 A	25-Feb-22	593																					
DDA-1250	Electrical & Control for PST - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approval (7d)	48	31-Aug-21 A	25-Feb-22	593																					
DDA-1260	Building Services for PST - Prepare (28d), Sub. & Review(28d) ,Comment & Resub.(14d) & Approval (7d)	78	01-Oct-21 A	04-Mar-22	593																					
<b>Package 11 - Control and Monitoring System</b>																										
DDA-550	Supervisory Control&Data Application (SCADA) System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) &	78	31-Aug-21 A	17-Jan-22	373																					
DDA-580	Power Quality & Energy Management System (PQEMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) &	78	02-Oct-21 A	16-Feb-22	373																					
<b>Package 13 - Pipework System</b>																										
DDA-1030	Pipeworks System for Sludge Digesters - Prep(60d),Sub.&Review(45d),Comment&Resub (14d) &Approval (7d)	126	17-Feb-22	22-Jun-22	586																					
DDA-670	Pipeworks System for Primary Sedimentation Tanks (PST) - Prep(57d), Sub.&Review(45d), Comment&Resub(14d)	123	18-Sep-21 A	02-Mar-22	202																					
DDA-680	Pipeworks System for Biogas Holder (BH) - Prep(57d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	123	18-Sep-21 A	02-Mar-22	202																					
DDA-690	Pipeworks System for Sludge Dewatering Building (SDB) - Prep(60d),Sub.&Review(45d),Comment&Resub (14d) &	126	17-Feb-22	22-Jun-22	264																					
DDA-700	Pipeworks System for Utility Corridor&Pipe Portal (UC/PP) - Prep(103d),Sub.&Review(45d),Comment&Resub(14d)&	126	17-Feb-22	22-Jun-22	264																					
<b>Package 14 - Sludge Anaerobic Digestion System (SDT)</b>																										
DDA-1290	Civil Req. Drawing for SDT - Prepare (47d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	113	10-Jul-21 A	21-Feb-22	3																					
DDA-1300	PID for SDT - Prepare (47d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	113	10-Jul-21 A	25-Feb-22	709																					
DDA-1310	Mechanical for SDT & UC/PP - Prepare (47d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	113	10-Jul-21 A	25-Feb-22	709																					
DDA-1320	Electrical & Control for SDT & UC/PP - Prepare (55d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7	121	02-Jul-21 A	25-Feb-22	821																					
DDA-1340	Civil Req. Drawing for UC/PP - Prepare (47d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	113	10-Jul-21 A	25-Feb-22	639																					
<b>Package 15 - Biogas H2S Removal, Storage and Delivery System</b>																										
DDA-1350	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d),Sub & Review(28d),Comment&Resub(14d)&	78	31-Aug-21 A	09-Feb-22	3																					
DDA-1360	PID for Biogas H2S Removal, Storage and Delivery System - Prepare(28d),Sub & Review(28d),Comment&Resub(14	75	13-Jul-21 A	04-Mar-22	3																					
DDA-1370	Mechanical for Biogas H2S Removal System - Prepare(28d),Sub & Review(28d),Comment&Resub(14d)&Approval (	78	05-Mar-22	21-May-22	122																					
DDA-1380	Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub & Review(28d),Comment&Resub(14d)&Appr	78	25-Feb-22	13-May-22	130																					
DDA-1390	Building Services for Biogas H2S Removal System - Prepare(28d),Sub & Review(28d),Comment&Resub(14d)&Appr	78	25-Feb-22	13-May-22	130																					
DDA-1400	Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub & Review(28d),Comment&Resub(14d)&Appr	78	25-Feb-22	13-May-22	130																					
<b>Package 16 - Deodorization Unit System</b>																										
DDA-1410	PID for DOU System - Prepare(28d),Sub & Review(28d),Comment&Resub(14d)&Approval (7d)	78	28-Feb-22*	16-May-22	665																					
DDA-1420	Mechanical for DOU No. 1 - Prepare(28d),Sub & Review(28d),Comment&Resub(14d)&Approval (7d)	78	28-Feb-22	16-May-22	665																					
DDA-1430	Mechanical for DOU No. 2A and 2B - Prepare(28d),Sub & Review(28d),Comment&Resub(14d)&Approval (7d)	78	28-Feb-22	16-May-22	665																					
DDA-1440	Mechanical for DOU No. 3 - Prepare(28d),Sub & Review(28d),Comment&Resub(14d)&Approval (7d)	78	28-Feb-22	16-May-22	665																					
<b>Package 17 - Sludge Dewatering Building (SDB)</b>																										
DDA-890	Architectural for Sludge Dewatering Building (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & App	126	07-Jun-21 A	04-Mar-22	1081																					
DDA-900	Found. for Sludge Dewatering Building (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d), GEO (28d)	154	10-Nov-21 A	12-May-22	634																					
<b>Package 19 - Elevated Walkways</b>																										
DDA-710	Civil & Structural for Elevated Walkways - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d), C	154	05-Feb-22	08-Jul-22	974																					



- 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. 14 - 3MRP (Decemeber 2021)

Project ID : DWP.DPr9\_220111  
 Layout : DC201910 2 3MRP\_rev.9  
 Date : 12-Jan-22 / Page 3 of 10

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	December					January				February				March			April		
						14					15				16				17			18		
						28	05	12	19	26	02	09	16	23	30	06	13	20	27	06	13	20	27	03
<b>Package 20 - Trellis</b>																								
DDA-720	Civil & Structural for Trellis - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	31-Aug-21 A	06-Mar-22	974	Civil & Structural for Trellis - Prep(60d)																		
<b>Package 21 - Steel Working Platform</b>																								
DDA-730	Civil & Structural for Steel Working Platform - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7c)	126	05-Feb-22	10-Jun-22	974	Civil & Structural for Steel Working Platform - Prep(60d)																		
<b>Building Services</b>																								
DDA-590	BS for Inlet Works (IW) - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	126	31-Aug-21 A	06-Mar-22	362	BS for Inlet Works (IW) - Prepare (60d)																		
DDA-600	BS for Sludge Thickening Building (STB) - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approv	126	31-Aug-21 A	06-Mar-22	236	BS for Sludge Thickening Building (STB) - Prepare (60d)																		
DDA-610	BS for Primary Sedimentation Tanks (PST) - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Apprc	126	30-Sep-21 A	05-Apr-22	115	BS for Primary Sedimentation Tanks (PST) - Prepare (60d)																		
DDA-620	BS for Biogas Holder (BH) - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	126	31-Aug-21 A	06-Mar-22	175	BS for Biogas Holder (BH) - Prepare (60d)																		
<b>Technical Submission</b>																								
<b>Inlet Works (IW)</b>																								
TS-890	PID - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	03-Sep-21 A	22-Feb-22	28	PID - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																		
TS-900	Equipment Loading Summary - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	03-Sep-21 A	22-Feb-22	28	Equipment Loading Summary - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																		
TS-910	General Arrangement Drawing - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	30-May-21 A	25-Feb-22	328	General Arrangement Drawing - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																		
TS-920	Civil Requirement Drawings (Superstructure) - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	30-May-21 A	25-Feb-22	328	Civil Requirement Drawings (Superstructure) - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																		
<b>Primary Sedimentation Tank (PST)</b>																								
TS-930	Equipment Loading Summary - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	03-Sep-21 A	22-Feb-22	28	Equipment Loading Summary - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																		
TS-940	PID - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	03-Sep-21 A	08-Mar-22	28	PID - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																		
TS-950	General Arrangement Drawing - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	28-Jan-22*	03-Apr-22	0	General Arrangement Drawing - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																		
TS-960	Civil Requirement Drawings (Superstructure) - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	28-Jan-22*	03-Apr-22	0	Civil Requirement Drawings (Superstructure) - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																		
<b>Sludge Thickening Building (STB)</b>																								
TS-820	Architectural for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Appr	126	01-Jun-21 A	18-Feb-22	250	Architectural for Sludge Thickening Building (STB) - Prep(60d)																		
TS-830	Found. for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d), GEO(28d) & Appr	154	01-Jun-21 A	18-Feb-22	93	Found. for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d), GEO(28d) & Appr																		
TS-840	Civil & Structural for Sludge Thickening Bldg (STB) - Prep(27d), Sub.&Review(45d), Comment&Resub (14d) & Appr	93	16-Mar-22	16-Jun-22	250	Civil & Structural for Sludge Thickening Bldg (STB) - Prep(27d), Sub.&Review(45d), Comment&Resub (14d) & Appr																		
TS-850	General Arrangement & Civil Req. Drawings for STB - Prep(27d), Sub.&Review(45d), Comment&Resub (14d) & App	93	16-Mar-22	16-Jun-22	466	General Arrangement & Civil Req. Drawings for STB - Prep(27d), Sub.&Review(45d), Comment&Resub (14d) & App																		
TS-970	PID - Prep(27d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	93	16-Mar-22	16-Jun-22	250	PID - Prep(27d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																		
TS-980	Equipment Loading Summary - Prep(27d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	93	16-Mar-22	16-Jun-22	634	Equipment Loading Summary - Prep(27d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																		
<b>Sludge Digesters (SD)</b>																								
TS-1030	PID - Prep(60d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	126	25-Sep-21 A	06-Mar-22	934	PID - Prep(60d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																		
TS-1040	Equipment Loading Summary - Prep(60d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	126	25-Sep-21 A	06-Mar-22	934	Equipment Loading Summary - Prep(60d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																		
TS-740	Found. for Sludge Digesters (SD) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d), GEO (28d) & Approval (7d)	126	25-Sep-21 A	06-Mar-22	402	Found. for Sludge Digesters (SD) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d), GEO (28d) & Approval (7d)																		
TS-750	Civil & Structural for Sludge Digesters (SD) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	25-Sep-21 A	06-Mar-22	700	Civil & Structural for Sludge Digesters (SD) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)																		
TS-760	General Arrangement & Civil Req. Drawings for SD - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & App	126	25-Sep-21 A	06-Mar-22	813	General Arrangement & Civil Req. Drawings for SD - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & App																		
TS-770	Mechanical for Sludge Digesters (SD) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	02-Mar-22	05-Jul-22	813	Mechanical for Sludge Digesters (SD) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)																		
<b>Biogas Holders (BH)</b>																								
TS-1050	PID - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	31-Aug-21 A	05-Jan-22	163	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-Jan-22	163	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) & Approv	147	12-Jun-21 A	30-Jan-22	36	Foundation for Biogas Holders (BH) - Prep(53d), Sub.&Review(45d), Comment&Resub (14d), GEO (28d) & Approv																		
TS-790	Civil & Structural for Biogas Holders (BH) - Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	66	12-Jun-21 A	30-Jan-22	100	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) & Appr	193	16-Sep-21 A	12-Jun-22	100	General Arrangement & Civil Req. Drawings for BH - Prep(127d), Sub.&Review(45d), Comment&Resub (14d) & Appr																		
TS-810	Mechanical for Biogas Holders (BH) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	05-Nov-21 A	10-Apr-22	163	Mechanical for Biogas Holders (BH) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)																		
<b>Hazardous Area Classification and Fire Risk Assessment</b>																								
TS-1800	Hazardous Area Classification and Fire Risk Assessment Specialist - Submission & Approval	20	31-Aug-21 A	31-Dec-21	197	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	07-Mar-22	197	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	07-Mar-22	197	Fire Risk Assessment - Prep(60), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)																		
<b>Material Submission, Procurement, Manufacturing and Delivery</b>																								
PRE-230	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip.	270	09-Nov-20 A	31-Dec-21	739	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	31-Dec-21	718	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	04-Jan-22	797	Submit/Procure/Manufacture/Deliver Thickening System/Digestion/sludge holding Tanks																		
<b>Site Establishment Works</b>																								
<b>Temporary Transformer 1600A</b>																								
1600A-0060	Substation Trench Excavation	3	15-Nov-21 A	18-Nov-21 A	0	Substation Trench Excavation																		
1600A-0070	Rebar Fixing and RC Works (Trench & Floor Slab); Scaffolding Works for Platform	28	14-Dec-21 A	16-Feb-22	0	Rebar Fixing and RC Works (Trench & Floor Slab); Scaffolding Works for Platform																		
1600A-0080	ABWF & E&M works	6	17-Feb-22	23-Feb-22	1	ABWF & E&M works																		
1600A-0090	Defects Rectification	3	24-Feb-22	26-Feb-22	1	Defects Rectification																		
P5-140	CLP Inspection	1	28-Feb-22	28-Feb-22	1	CLP Inspection																		
P5-150	Energization of Temporary Transformer	0		28-Feb-22*	1	Energization of Temporary Transformer																		
P5-160	LV switchboard metering	2	17-Feb-22	18-Feb-22*	0	LV switchboard metering																		
<b>PM and Contractor Accomodation</b>																								
<b>Project Manager's &amp; Contractor Site Accommodation</b>																								
<b>MIC Section</b>																								
PMCA-190	Installation of Green Roof	16	09-Nov-21 A	05-Mar-22	1686	Installation of Green Roof																		



- 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. 14 - 3MRP (Decemeber 2021)

Project ID : DWP.DPr9\_220111  
 Layout : DC201910 2 3MRP\_rev.9  
 Date : 12-Jan-22 / Page 4 of 10

Monthly Progress Report No. 12 - 3MRP			
Date	Revision	Checked	Approved
31-Dec-21	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	December					January					February					March					April
						14					15					16					17					18
						28	05	12	19	26	02	09	16	23	30	06	13	20	27	06	13	20	27	04		
PMCA-200	Fabrication & Construction of Covered Car Park	39	01-Dec-21 A	18-Jan-22	5																					
PMCA-220	Installation of Energy Efficient Features	12	01-Dec-21 A	14-Dec-21 A																						
PMCA-230	Construction of Rain and Surface Water Drainage Works	10	12-Nov-21 A	30-Nov-21 A																						
PMCA-260	Completion of PMMIC	0		16-Dec-21 A																						
<b>Caving System</b>																										
PMCA-240	Caving System Construction	48	17-Jan-22*	19-Mar-22	1																					
PMCA-250	Caving System Installation (Set-Up & T&C)	60	21-Mar-22	06-Jun-22	1																					
<b>FSI, FSD and OP Requirements</b>																										
<b>FSI Submission &amp; Approval</b>																										
FSD-1020	1st DRAFT AGS & TTS GBP (Subject to Availability of Original Drawing Files)	0	12-Nov-21 A																							
FSD-1030	PM Review	31	12-Nov-21 A	19-Feb-22	328																					
FSD-1040	Submission Period for FSD Review (Assumed 12 Months) - Full GBP+GBP for TCP1	367	20-Feb-22	21-Feb-23	328																					
<b>Application Form Schedule EMSD (ATAL)</b>																										
<b>Phase 1</b>																										
ATAL-FS-0010	Form 104 for Biogas Holder Tank 1 (Submission and Approval Period)	184	01-Mar-22*	31-Aug-22	1408																					
<b>General Advance Works</b>																										
ESUM-080	General Advance Works	638	01-Jun-21 A	03-Aug-23	178																					
<b>NSWSPS Sensors</b>																										
ATALGA-1160	CGS - Method Statement for Installation	101	03-Aug-21 A	07-Feb-22	617																					
ATALGA-1170	Procurement & Delivery of Sensor	101	03-Aug-21 A	07-Feb-22	617																					
ATALGA-1260	Installation of pressure sensors at NSWSPS	22	03-Jan-22	27-Jan-22	617																					
<b>Disc Filter (DF) Pilot Plant</b>																										
ATALGA-1000	Civil Structural Construction of DF Pilot Plant from STSTW c/w of relevant underground pipeworks	211	27-Jan-22*	19-Oct-22	334																					
ATALGA-1090	Procurement & Delivery of Materials	97	04-Aug-21 A	26-Jan-22	334																					
<b>Dissolved Air Flotation (DAF) Pilot Plant</b>																										
ATALGA-1100	CGS - Method Statement for Relocation	47	31-Aug-21 A	19-Feb-22	233																					
ATALGA-1110	Procurement & Delivery of Materials	97	28-Oct-21 A	16-May-22	233																					
<b>Aerobic Granular Sludge (AGS) Pilot Plant</b>																										
ATALGA-1010	Civil Structural Construction of AGS Pilot Plant	19	21-Feb-22*	14-Mar-22	387																					
ATALGA-1060	CGS - Method Statement for Installation	15	25-Mar-21 A	19-Feb-22	387																					
ATALGA-1180	E&M installation of AGS Pilot Plant	6	15-Mar-22	21-Mar-22	387																					
ATALGA-1210	Seeding, process start-up and T&C	52	22-Mar-22	27-May-22	387																					
<b>Zone 1 Construction</b>																										
ESUM-090	Demolition and Temporary Modification/Diversion Works	270	09-Nov-20 A	31-Dec-21	1735																					
ESUM-100	Inlet Works	972	16-Jan-21 A	20-Feb-24	17																					
ESUM-110	CLP Substations No. 1 & 2	263	30-Sep-21 A	17-Nov-22	76																					
ESUM-120	Primary Sedimentation Tank (PST)	792	16-Jul-21 A	26-Jan-24	5																					
ESUM-150	Administration Building (ADB)	1256	31-Dec-21	17-Apr-26	132																					
<b>Inlet Works (IW)</b>																										
<b>IW Foundation &amp; ELS Works</b>																										
<b>IW Foundation - Stage 1</b>																										
IW-2880	Inlet Work Stage 1 - Submit piling record to GEO (28d)	30	01-Nov-21 A	01-Dec-21 A																						
<b>IW Basement</b>																										
Z1-IW-3930	Sheet Piling Works (9,915m2), (62m2/ Day Installation Rate/Rig, 4rigs)	40	15-Nov-21 A	27-Jan-22	30																					
Z1-IW-3940	Set-up and Installation for Total ~60 Nos. Wells(2 - 2.5 Days/Well, 4rigs)	33	31-Dec-21	15-Feb-22	20																					
Z1-IW-3950	Pumping Test & Commissioning Period	14	11-Mar-22	26-Mar-22	0																					
Z1-IW-4070	1st Pile Loading Test (Batch 1 Completion: IW:225nos.+ PST:70nos.) (compression test failed for PA08 & PA28)	20	12-Nov-21 A	28-Nov-21 A																						
Z1-IW-4290	Noise Mitigation 2021-2022	121	01-Nov-21 A	31-Mar-22*	0																					
Z1-IW-4300	Submit to GEO (28d)	28	24-Jan-22	03-Mar-22	20																					
Z1-IW-4650	2nd Pile Loading Test (IW: P27+ PST: PA72)	5	04-Jan-22*	08-Jan-22	0																					
Z1-IW-4660	Review failure of pile load test and proposed alternative piles for 2nd attempt	20	29-Nov-21 A	03-Jan-22	0																					
Z1-IW-4670	3rd Pile Loading Test (re-test P122 & P34 due to failure of pile load test for PA08 & PA28)	5	18-Jan-22*	22-Jan-22	0																					
Z1-IW-4680	Preboring for sheet piling work (approx. 80 nos.) & Sheet piling works	40	17-Jan-22*	10-Mar-22	0																					
Z1-IW-4690	NCE-0048 Load test at IW & PST	0	08-Dec-21 A																							
Z1-IW-4700	NCE-0051 Unforeseen underground obstruction in IW & PST area for sheet piling works	0	03-Jan-22*		0																					
<b>Excavation Works &amp; ELS (Excavation Volume: 32,857m3)</b>																										
Z1-IW-4450	IWB - Excavation to S1 Level (+4.35 mPD), (4,422m3, 1500m3/day)	4	28-Mar-22	31-Mar-22	0																					
<b>Primary Sedimentation Tank (PST)</b>																										
<b>PST Stage 1 of Works</b>																										
<b>PST Stage 1 - Foundation (At First 3 Tanks, PST 7-8 Footprint)</b>																										
EBS-2022	Egrets Breeding Season 2022	184	01-Mar-22*	31-Aug-22	0																					



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

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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	December					January				February				March				April	
						14					15				16				17				18	
						28	05	12	19	26	02	09	16	23	30	06	13	20	27	06	13	20	27	04
NMM-2021	PS 1.105A Noise Mitigation Measures 2021-2022	151	01-Nov-21 A	30-Mar-22*	1	PS																		
PST-1210	PST Stage 1 - H-pile Testing (Batch 1 with IW Piles)	21	15-Nov-21 A	06-Jan-22	10	PST Stage 1 - H-pile Testing (Batch 1 with IW Piles)																		
PST-3020	PST Stage 1 - Submit to GEO (28d)	28	07-Jan-22	15-Feb-22	10	PST Stage 1 - Submit to GEO (28d)																		
<b>PST Stage 1</b>																								
<b>Excavation Works (South Portion), (Excavation Volume: 5,795m3)</b>																								
Z1-PST-3580	PST(S1) - Excavation S1 Level (+1.875mPD), (3744m3, 800m3/day)	5	25-Jan-22	29-Jan-22	0	PST(S1) - Excavation S1 Level (+1.875mPD), (3744m3, 800m3/day)																		
Z1-PST-3600	PST(S1) - Excavation FEL Level (-1.125, -1.625, -3.225mPD), (1181m3, 400m3/day)	3	24-Feb-22	26-Feb-22	0	PST(S1) - Excavation FEL Level (-1.125, -1.625, -3.225mPD), (1181m3, 400m3/day)																		
Z1-PST-3840	PST(S1) - Excavation S2 Level (+0.375 mPD), (870m3, 400m3/day)	3	14-Feb-22	16-Feb-22	0	PST(S1) - Excavation S2 Level (+0.375 mPD), (870m3, 400m3/day)																		
Z1-PST-4270	PST(S1) - Sheetpiling for PST Trench	18	10-Jan-22*	29-Jan-22	0	PST(S1) - Sheetpiling for PST Trench																		
<b>ELS Erection Works</b>																								
Z1-PST-3590	PST(S1) - Erection and Installation of S1 Strut & W1 Waling (+1.875 mPD)	6	07-Feb-22	12-Feb-22	0	PST(S1) - Erection and Installation of S1 Strut & W1 Waling (+1.875 mPD)																		
Z1-PST-3850	PST(S1) - Erection and Installation of S2 Strut & W2 Waling (+0.375 mPD)	6	17-Feb-22	23-Feb-22	0	PST(S1) - Erection and Installation of S2 Strut & W2 Waling (+0.375 mPD)																		
<b>Basement RC Works (Stage 1 - Southern Portion)</b>																								
<b>Excavation for Southern Trench (Lower Portion)</b>																								
Z1-PST-3610	PST(S1) - Install Reprops R2	2	23-Mar-22	24-Mar-22	0	PST(S1) - Install Reprops R2																		
Z1-PST-3640	PST(S1) - Wall Erection of Formworks and RC Works (Ground Level)	6	28-Mar-22	02-Apr-22	0	PST(S1) - Wall Erection of Formworks and RC Works (Ground Level)																		
Z1-PST-3800	PST(S1) - Removal of S1	2	25-Mar-22	26-Mar-22	0	PST(S1) - Removal of S1																		
Z1-PST-3860	PST(S1) - Base Slab & Wall Erection of Formworks and RC Works (+0.325 mPD)	10	28-Feb-22	10-Mar-22	0	PST(S1) - Base Slab & Wall Erection of Formworks and RC Works (+0.325 mPD)																		
Z1-PST-3870	PST(S1) - Removal of S2	4	11-Mar-22	15-Mar-22	0	PST(S1) - Removal of S2																		
Z1-PST-3880	PST(S1) - Wall Erection of Formworks and RC Works (+1.875 mPD & +3.875mPD)	6	16-Mar-22	22-Mar-22	0	PST(S1) - Wall Erection of Formworks and RC Works (+1.875 mPD & +3.875mPD)																		
<b>PST Stage 2 of Works</b>																								
<b>PST GI - Propose Predrilling for Piling Works</b>																								
<b>Pre-drilling @ Existing PST 6 (including Trial Pit Excavation, Level Checking, Core Inspection, SPT)</b>																								
PST-2000	PD1 (w/ obstruction, relocated)	14	30-Nov-21 A	15-Dec-21 A		PD1 (w/ obstruction, relocated)																		
<b>PST Foundation - Stage 2 (At Remaining 2 Tanks, PST 5-6 Footprint)</b>																								
EBS-2115	Egrets Breeding Season 2022	184	01-Mar-22*	31-Aug-22	0	Egrets Breeding Season 2022																		
NMM-2105	PS 1.105A Noise Mitigation Measures 2021-2022	151	01-Nov-21 A	31-Mar-22	34	PS																		
<b>CLP Substations No. 1 &amp; 2</b>																								
CLP-1240	Demolition Carpark (28)	14	01-Dec-21 A	16-Dec-21 A		Demolition Carpark (28)																		
<b>Foundation</b>																								
CLP-1200	Raft Foundation	38	07-Jan-22	28-Feb-22	52	Raft Foundation																		
CLP-1250	Method Statement Submission & Approval	0		07-Jan-22*	0	Method Statement Submission & Approval																		
<b>CLP Substation No. 1</b>																								
CLP-1010	CLP Substation No.1 - Structure	76	28-Feb-22	04-Jun-22	52	CLP Substation No.1 - Structure																		
<b>CLP Substation No. 2</b>																								
CLP-1020	CLP Substation No.2 - Structure	76	28-Feb-22	04-Jun-22	52	CLP Substation No.2 - Structure																		
<b>DSD 11kV Switchgear</b>																								
CLP-1030	DSD11KV Switchgear - Structure	78	28-Feb-22	07-Jun-22	52	DSD11KV Switchgear - Structure																		
<b>Sludge Dewatering Building (SDB)</b>																								
<b>SDB Foundation &amp; ELS - Stage 1</b>																								
<b>SDB Foundation - PST 1-4 Footprint</b>																								
EBS-2105	Egrets Breeding Season 2022	184	01-Mar-22*	31-Aug-22	0	Egrets Breeding Season 2022																		
NMM-2095	PS 1.105A Noise Mitigation Measures 2021-2022	151	01-Nov-21 A	30-Apr-22	184	PS																		
<b>Administration Building (ADB)</b>																								
<b>Temporary Admin Office and Control Room</b>																								
ADB-1040	Handover of Temp. Admin Office and Control Room	20	29-Mar-22	25-Apr-22	5	Handover of Temp. Admin Office and Control Room																		
ADB-1250	Relocation of Existing SCADA System of Admin Bldg (23) and Document Centre (24)	21	29-Mar-22	26-Apr-22	5	Relocation of Existing SCADA System of Admin Bldg (23) and Document Centre (24)																		
<b>Temp Admin Office - MIC Section</b>																								
ADB-1020A100	Fabrication and Delivery of MIC Unit	36	03-Jan-22	12-Feb-22	5	Fabrication and Delivery of MIC Unit																		
ADB-1020A20	Construction/Installation	41	09-Feb-22	28-Mar-22	5	Construction/Installation																		
ADB-1020A30	E&M Installation and T&C	24	01-Mar-22	28-Mar-22	5	E&M Installation and T&C																		
ADB-1020A40	Relocation of Admin Office (MIC)	18	29-Mar-22	22-Apr-22	7	Relocation of Admin Office (MIC)																		
<b>Zone 2 Construction</b>																								
ESUM-170	Overhaul, Relocation and Diversion Works	1114	30-Jan-21 A	27-Apr-24	51	Overhaul, Relocation and Diversion Works																		
ESUM-180	Mainstream Bio-Reactor & Auxiliary Facility (MBR and AF)	1159	31-Dec-21	11-Dec-25	45	Mainstream Bio-Reactor & Auxiliary Facility (MBR and AF)																		
<b>Temporary Works Design</b>																								
<b>TTS Building</b>																								
TWD-1150	ELS for TTS(Tertiary Treatment System) Building - ICE Period Submission	31	16-Dec-21 A	30-Jan-22	39	ELS for TTS(Tertiary Treatment System) Building - ICE Period Submission																		
TWD-1160	ELS for TTS(Tertiary Treatment System) Building - ICE Review Period	31	31-Jan-22	02-Mar-22	39	ELS for TTS(Tertiary Treatment System) Building - ICE Review Period																		
TWD-1170	ELS for TTS(Tertiary Treatment System) Building - PM Review Period	46	03-Mar-22	17-Apr-22	39	ELS for TTS(Tertiary Treatment System) Building - PM Review Period																		
<b>MBS Building (AGS)</b>																								



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

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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	December					January					February					March					April
						14					15					16					17					18
						28	05	12	19	26	02	09	16	23	30	06	13	20	27	06	13	20	27	04		
TWD-1190	ELS for MBS(Mainstream Bio-Reactor System) Building(AGS) - ICE Period Submission	45	02-Dec-21 A	13-Feb-22	0	[Gantt bar from Dec 28 to Feb 13]																				
TWD-1200	ELS for MBS(Mainstream Bio-Reactor System) Building(AGS) - ICE Review Period	31	14-Feb-22	16-Mar-22	0	[Gantt bar from Feb 14 to Mar 16]																				
TWD-1210	ELS for MBS(Mainstream Bio-Reactor System) Building(AGS) - PM Review Period	46	14-Feb-22	31-Mar-22	0	[Gantt bar from Feb 14 to Mar 31]																				
<b>Overhaul, Relocation and Diversion Works</b>																										
Z2D-4240	Completion of Overhaul (Zone 2)	0		15-Feb-22	1	[Milestone diamond at Feb 15]																				
<b>Overhaul Works for Aeration Tanks (A-Tank)</b>																										
Z2D-4260	Completion of Overhaul A-Tanks	0		15-Feb-22*	1	[Milestone diamond at Feb 15]																				
<b>A-Tank No. 3</b>																										
Z2D-4160	Final Level Adjustment and Conduct Air Balancing Test	5	09-Nov-21 A	18-Nov-21 A		[Gantt bar from Nov 9 to Nov 18]																				
Z2D-4170	Power Reconnection and Testing	3	15-Nov-21 A	18-Nov-21 A		[Gantt bar from Nov 15 to Nov 18]																				
<b>A-Tank No. 4</b>																										
Z2D-4180	Switch Duty A-Tank from No. 4 to Other Tanks	3	18-Nov-21 A	20-Nov-21 A		[Gantt bar from Nov 18 to Nov 20]																				
Z2D-4190	Isolation (Water/Power/Air) and Tank Cleaning	2	03-Dec-21 A	04-Dec-21 A		[Gantt bar from Dec 3 to Dec 4]																				
Z2D-4200	Erection of Access Platform Scaffolding	2	06-Dec-21 A	07-Dec-21 A		[Gantt bar from Dec 6 to Dec 7]																				
Z2D-4210	Replacement of Diffuser Membrane and Other Defective Components	34	10-Nov-21 A	29-Jan-22	1	[Gantt bar from Nov 10 to Jan 29]																				
Z2D-4220	Final Level Adjustment and Conduct Air Balancing Test	5	30-Dec-21 A	11-Feb-22	1	[Gantt bar from Dec 30 to Feb 11]																				
Z2D-4230	Power Reconnection and Testing	3	11-Feb-22	15-Feb-22	1	[Gantt bar from Feb 11 to Feb 15]																				
<b>Temporary Diversion</b>																										
<b>Zone 2A : PST To Aeration Tanks</b>																										
Z2A-1060	Excavation to 1st Layer of Strut	2	05-Nov-21 A	13-Nov-21 A		[Gantt bar from Nov 5 to Nov 13]																				
Z2A-1070	Strut and Waling Installation	7	15-Nov-21 A	17-Nov-21 A		[Gantt bar from Nov 15 to Nov 17]																				
Z2A-1080	Excavation to Formation Level	5	18-Nov-21 A	26-Nov-21 A		[Gantt bar from Nov 18 to Nov 26]																				
Z2A-1090	Manhole Base Slab & Wall	5	22-Nov-21 A	06-Dec-21 A		[Gantt bar from Nov 22 to Dec 6]																				
Z2A-1100	Pipe Installation (Manhole to Section before T-Joint Connection)	4	01-Dec-21 A	06-Dec-21 A		[Gantt bar from Dec 1 to Dec 6]																				
Z2A-1110	Manhole Wall	5	07-Dec-21 A	13-Dec-21 A		[Gantt bar from Dec 7 to Dec 13]																				
Z2A-1130	Pipe Testing	1	07-Dec-21 A	08-Dec-21 A		[Gantt bar from Dec 7 to Dec 8]																				
Z2A-1140	1st Day Work (Demolition of Existing DN1000 pipe and joint the new pipeline)	1	18-Dec-21 A	18-Dec-21 A		[Gantt bar from Dec 18 to Dec 18]																				
Z2A-1160	Backfill Pipeline to Ground Level	6	23-Dec-21 A	28-Feb-22	77	[Gantt bar from Dec 23 to Feb 28]																				
Z2A-1170	Complete Zone 2A Temporary Diversion	0		28-Feb-22	77	[Milestone diamond at Feb 28]																				
Z2A-1180	Strike formwork	1	14-Dec-21 A	15-Dec-21 A		[Gantt bar from Dec 14 to Dec 15]																				
Z2A-1190	1st Night Work (cut existing DN1200 pipe inside manhole)	0	21-Dec-21 A	21-Dec-21 A		[Gantt bar from Dec 21 to Dec 21]																				
Z2A-1200	2nd Night work (cut existing DN1200 pipe outside manhole & cap the pipe)	0	23-Dec-21 A	23-Dec-21 A		[Gantt bar from Dec 23 to Dec 23]																				
<b>Zone 2B : FST, Temporary RAS to Aeration Tanks</b>																										
<b>Temporary RAS</b>																										
Z2B-1000	Advance works including UU detection, removal of existing hard paving, Expose UU	8	31-Dec-21*	10-Jan-22	0	[Gantt bar from Dec 31 to Jan 10]																				
Z2B-1010	Install sheet piles for ELS	7	11-Jan-22	18-Jan-22	0	[Gantt bar from Jan 11 to Jan 18]																				
Z2B-1020	ELS & Excavation	12	19-Jan-22	08-Feb-22	0	[Gantt bar from Jan 19 to Feb 8]																				
Z2B-1030	Construction of Temp RAS	17	09-Feb-22	28-Feb-22	0	[Gantt bar from Feb 9 to Feb 28]																				
Z2B-1040	Temp RAS E&M installation	19	01-Mar-22	22-Mar-22	0	[Gantt bar from Mar 1 to Mar 22]																				
Z2B-1200	Laying of pipes from temp. RAS to Consolidation tanks & Aeration tanks	19	01-Mar-22	22-Mar-22	0	[Gantt bar from Mar 1 to Mar 22]																				
Z2B-1210	T&C	40	23-Mar-22	14-May-22	0	[Gantt bar from Mar 23 to May 14]																				
<b>Demolition Works</b>																										
EBS-2125	Egrets Breeding Season 2022	184	01-Mar-22*	31-Aug-22	0	[Milestone diamond at Mar 1]																				
NMM-2115	PS 1.105A Noise Mitigation Measures 2021-2022	151	01-Nov-21 A	31-Mar-22	106	[Gantt bar from Nov 1 to Mar 31]																				
<b>Advance Works</b>																										
MBR-1480	MBR - Relocation of Noise barrier/ bird curtain	58	28-Feb-22	12-May-22	40	[Gantt bar from Feb 28 to May 12]																				
MBR-1490	MBR - Decommission of Auxiliary PS & Associated pipes and Modification of Washwater PS	20	28-Feb-22	22-Mar-22	40	[Gantt bar from Feb 28 to Mar 22]																				
MBR-1520	MBR - Design submission of Relocation of Noise barrier/ bird curtain	43	31-Dec-21	26-Feb-22	40	[Gantt bar from Dec 31 to Feb 26]																				
Z2D-4280	Submit/Approve Method Statement for Sheetpiling Works	15	11-Sep-21 A	31-Dec-21	127	[Gantt bar from Sep 11 to Dec 31]																				
Z2D-4290	Submit/Approve Design for Sheetpiles	55	01-Jun-21 A	05-Jan-22	117	[Gantt bar from Jun 1 to Jan 5]																				
Z2D-4310	Procurement and Delivery of Sheetpiles	21	04-Sep-21 A	31-Dec-21	127	[Gantt bar from Sep 4 to Dec 31]																				
<b>Other Existing Pumping Stations</b>																										
<b>Auxiliary Pumping Stations</b>																										
Z2T-150B	Demolition of Auxillary Pumping Station (19) above ground	20	23-Mar-22	19-Apr-22	40	[Gantt bar from Mar 23 to Apr 19]																				
<b>Final Sedimentation Tanks</b>																										
Z2T-180	Demolition of Final Sedimentation Tank No.5-6 (6 and 37)	50	08-Feb-22	07-Apr-22	47	[Gantt bar from Feb 8 to Apr 7]																				
Z2T-190	Demolition of Final Sedimentation Tank No.7-8 (6)	50	25-Oct-21 A	07-Feb-22	47	[Gantt bar from Oct 25 to Feb 7]																				
<b>Mainstream Bio-Reactor &amp; Auxillary Facility (MBR and AF)</b>																										
<b>MBR Stage 1 and AF Structure</b>																										
<b>A-Tanks Demolition and ELS Works</b>																										
MBR-1010	MBR - Sheet Piles Install (approx. 391m, 9,390m2 @ 120m2/d) After Advance works (zone 2A)	58	23-Mar-22	06-Jun-22	58	[Gantt bar from Mar 23 to Jun 6]																				
MBR-1540	MBR - advance coring for king post installation & wells installation	25	17-Jan-22*	21-Feb-22	154	[Gantt bar from Jan 17 to Feb 21]																				



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						14					15					16					17					18
						28	05	12	19	26	02	09	16	23	30	06	13	20	27	06	13	20	27	04		
MBR-1550	MBR - King post installation	30	22-Feb-22	28-Mar-22	154																					
<b>Tertriary Treatment System (TTS)</b>																										
<b>Foundation and ELS</b>																										
EBS-2135	Egrets Breeding Season 2022	184	01-Mar-22*	31-Aug-22	0																					
<b>Zone 3 Construction</b>																										
ESUM-220	Biogas Holder No. 1	460	08-Mar-22	27-Sep-23	0																					
<b>Temporary Works Design</b>																										
<b>UC (Utilities Corridor)</b>																										
TWD-1230	ELS for Utilities Corridor (UC) - ICE Period Submission	20	31-Dec-21*	19-Jan-22	1																					
TWD-1240	ELS for Utilities Corridor (UC) - ICE Review Period	18	20-Jan-22	06-Feb-22	1																					
TWD-1250	ELS for Utilities Corridor (UC) - PM Review Period	49	07-Feb-22	27-Mar-22	1																					
TWD-1260	ELS for Utilities Corridor (UC) - Consent Date	0		27-Mar-22*	1																					
<b>Sludge Thickening Building (STB)</b>																										
TWD-1270	ELS for Sludge Thickening Building (STB) - ICE Period Submission	30	24-Jan-22*	22-Feb-22	4																					
TWD-1280	ELS for Sludge Thickening Building (STB) - ICE Review Period	28	23-Feb-22	22-Mar-22	4																					
TWD-1290	ELS for Sludge Thickening Building (STB) - PM Review Period	49	23-Mar-22	10-May-22	4																					
<b>Sludge Digester (SD)</b>																										
TWD-1350	ELS for Sludge Digesters (SD) - ICE Period Submission	30	24-Jan-22*	22-Feb-22	20																					
TWD-1360	ELS for Sludge Digesters (SD) - ICE Review Period	28	23-Feb-22	22-Mar-22	20																					
TWD-1370	ELS for Sludge Digesters (SD) - PM Review Period	49	23-Mar-22	10-May-22	20																					
<b>Stage 1</b>																										
<b>Overhaul Works At Existing SDT Footprint</b>																										
Z3S1a.7-80	Completion Overhaul SDT No. 3 and No. 4 (Completion up to Postponed Works)	0		19-Feb-22	76																					
<b>SDT No. 3 and 4</b>																										
ATALZ3S1-2220	Postponed Works up to Mid of Jan 2022	52	30-Oct-21 A	19-Feb-22	76																					
<b>Procurement and Delivery</b>																										
<b>Pipe &amp; Fittings - DI (Zone 3A &amp; Zone 3B)</b>																										
Z3-000040	Batch 7 - Procurement and Delivery (DN200 Sludge)	84	21-Sep-21 A	15-Jan-22	22																					
<b>Pipe &amp; Fittings - SS316L (Zone 3A)</b>																										
Z3-000070	Batch 3 - Procurement and Delivery (DN300 Gas, SS316L)	119	30-Jul-21 A	07-Jan-22	0																					
Z3-000080	Batch 5 - Procurement and Delivery (DN200 Gas, SS316L)	95	27-Aug-21 A	15-Jan-22	17																					
<b>Valve - Ball Valve (GAS) (Zone 3A)</b>																										
Z3-000090	Procurement and Delivery - Ball Valve (GAS)	116	27-Aug-21 A	19-Feb-22	3																					
<b>Valve - Gate Valve (Sludge, Sewage) (Zone 3A &amp; Zone 3B)</b>																										
Z3-000100	Procurement and Delivery - Gate Valve (Sludge, Sewage)	96	06-Sep-21 A	15-Jan-22	51																					
<b>Stage 1 Advance Works</b>																										
Z3S1A-3010	Completion of Stage 1A (Construction & E&M for Temporary facilities)	0		16-Mar-22*	0																					
<b>Zone 3A (at SHT)</b>																										
<b>240m3 Temporary Sludge Holding Tank(SHT) (Location B)</b>																										
Z3A-000100	240m3 Temp. SHT Completion	0		18-Feb-22	29																					
<b>Sludge Forward Pump Station</b>																										
Z3A-000070	E&M Installation and T&C (ATAL)	24	14-Jan-22	18-Feb-22	23																					
Z3A-000080	Civil and Structural Works Construction	13	31-Dec-21 A	14-Jan-22	23																					
Z3A-000090	Method Statement Submit/Approval for Location B and Location F	0		31-Dec-21*	0																					
<b>Relocation of Heater Room (Location C)</b>																										
Z3A-000150	Design Consent	0		04-Nov-21 A																						
Z3A-000160	Method Statement Approval	0		04-Nov-21 A																						
Z3A-000170	Civil and Structural Works Construction	57	04-Nov-21 A	12-Jan-22	12																					
Z3A-000180	E&M Installation	24	13-Jan-22	16-Feb-22	12																					
Z3A-000320	Temp. Water Heater House Structural Completion	0		12-Jan-22	26																					
Z3A-000550	Relocation and T&C (ATAL)	12	03-Mar-22	16-Mar-22	0																					
<b>Digested Sludge Pumping Station (Location F)</b>																										
Z3B-290	Design Consent	0		08-Jan-22*	0																					
Z3B-300	Method Statement Submit/Approval for Location B and Location F	0		08-Jan-22*	0																					
Z3B-310	Civil and Structural Works Construction	12	10-Jan-22	22-Jan-22	38																					
Z3B-320	E&M Works (ATAL)	12	24-Jan-22	12-Feb-22	38																					
Z3B-330	T&C Works (ATAL)	8	07-Mar-22	15-Mar-22	20																					
Z3B-340	Digested Sludge Pumping Station Structural Completion	0		22-Jan-22	45																					
<b>Micro Turbine Relocation</b>																										
Z3A-000510	Design Consent	0		15-Jan-22*	0																					
Z3A-000520	Method Statement Approval	0		15-Jan-22*	0																					



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

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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	December					January					February					March					April
						14					15					16					17					18
						28	05	12	19	26	02	09	16	23	30	06	13	20	27	06	13	20	27	04		
Z3B-000120	Design Consent	0		03-Jan-22	5						◆ Design Consent															
Z3B-000130	Underground Utilities(UU) Diversion Works	10	15-Oct-21 A	07-Jan-22	0						■ Underground Utilities(UU) Diversion Works															
Z3B-000140	Civil and Structural Works Construction	40	10-Jan-22	03-Mar-22	0						■ Civil and Structural Works Construction															
Z3B-000150	E&M Works (ATAL)	13	04-Mar-22	18-Mar-22	0						■ E&M Works (ATAL)															
Z3B-000160	T&C Works (ATAL)	11	19-Mar-22	31-Mar-22	0						■ T&C Works (ATAL)															
<b>Relocation of Ferric Chloride (FeCl3) Dosing System &amp; LV Switchboard (Location E)</b>																										
Z3B-000170	Design Consent	0		08-Jan-22*	18						◆ Design Consent															
Z3B-000180	Method Statement Approval	0		08-Jan-22	18						◆ Method Statement Approval															
Z3B-000190	Civil and Structural Works Construction	22	10-Jan-22	10-Feb-22	18						■ Civil and Structural Works Construction															
Z3B-000200	E&M Works (ATAL)	12	11-Feb-22	24-Feb-22	18						■ E&M Works (ATAL)															
Z3B-000210	T&C Works (ATAL)	12	25-Feb-22	10-Mar-22	18						■ T&C Works (ATAL)															
Z3B-000280	FeCl3 Relocation (Location E) Completion	0		10-Mar-22	18						◆ FeCl3 Relocation (Location E) C															
<b>Pipe Laying</b>																										
Z3B-000215	Pipe Support Consent	0		30-Nov-21 A							◆ Pipe Support Consent															
Z3B-000220	Hydraulic Design Consent	0		30-Nov-21 A							◆ Hydraulic Design Consent															
Z3B-000230	Method Statement Approval	0		18-Nov-21 A							◆ Method Statement Approval															
Z3B-000240	Pipe Installation from CT to MH2 (Batch 1 - DN250 Supernatant)	20	18-Dec-21 A	24-Jan-22	52						■ 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	18-Feb-22	35						■ 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	05-Mar-22	22						■ 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	15-Feb-22	38						■ Pipe Installation from Temp. Primary Sludge Pumping Station (Location D) to CT (Batch 7 - DN200 Sludge)															
<b>Pipe Connection</b>																										
Z3B-000390	Temp. Gravity Thickening Tank (Location A) Completion	0		16-Mar-22	13						◆ Temp. Gravity Thickening Tank (Location A) Completion															
Z3B-000400	Temp. Primary Sludge Pumping Station (Location D) Completion	0		21-Mar-22	9						◆ Temp. Primary Sludge Pumping Station (Location D) Completion															
Z3B-000410	Connection at Temp. Primary Sludge Pumping Station (Location D)	1	22-Mar-22	22-Mar-22	9						■ Connection at Temp. Primary Sludge Pumping Station (Location D)															
Z3B-000420	FeCl3 System (Location E) Relocation Completion	0		10-Mar-22	18						◆ FeCl3 System (Location E) Relocation Completion															
<b>Stage 2</b>																										
<b>Stage 2 : Existing Sludge Holding Tanks</b>																										
Z3S1a.7-60	Completion Connection to Temporary SHT & Dewatering House	0		16-Mar-22*	0						◆ Completion Connection to Temporary SHT & Dewatering House															
<b>Stage 2 : Biogas Holder No. 1</b>																										
Z3BH-1000	Biogas Holder No. 1 - Ground Improvement Including Surcharge	124	08-Mar-22	08-Aug-22	0						■ Biogas Holder No. 1 - Ground Improvement Including Surcharge															



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