

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	2022												2023												2024												2025												2026											
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4																								
YL Effluent Polishing Plant - Main Works Stage 1 - Detailed Works Programme								2202	27-Oct-20 A	09-Nov-27	30-Aug-21	09-Nov-27	0																																																						
UPDATE	Data Date DWP Revision 5	0		31-Aug-21 A		07-Sep-21		Data Date DWP Revision 5																																																											
Contract Data Part 1								2569	27-Oct-20 A	09-Nov-27	30-Aug-21	09-Nov-27	0																																																						
Commencement Date								2569	27-Oct-20 A	09-Nov-27	31-Aug-21	09-Nov-27	0																																																						
CD1	Contract Date	0	27-Oct-20 A		31-Aug-21																																																														
CD2	Starting Date	0	09-Nov-20 A		31-Aug-21																																																														
CD3	Contract Completion	0	09-Nov-26		09-Nov-26		0																																																												
CD4	Establishment Period (12 months)	0	09-Nov-27		09-Nov-27		0																																																												
CD5	Defect Date (12 months)	0	09-Nov-27		09-Nov-27		0																																																												
Access Dates								1599	09-Nov-20 A	27-Mar-25	30-Aug-21	04-Jun-27	799																																																						
ADP1	Portion 1 (sd)	0	09-Nov-20 A		03-Sep-21																																																														
ADWA1	Work Area WA1 (sd)	0	09-Nov-20 A		04-Jun-27																																																														
ADWA2	Work Area WA2 (sd) (new site possession) validity for 12 months and subject to renewal	365	05-Mar-21 A	05-Mar-22*	30-Aug-21	04-Mar-22	0	Work Area WA2 (sd) (new site possession) validity for 12 months and subject to renewal																																																											
ADP2	Portion 2 (sd+211d)	0	08-Jun-21 A		08-Nov-21																																																														
ADP5	Portion 5 (sd+944d)	0	11-Jun-23*		11-Jun-23		0																																																												
ADP3	Portion 3 (sd+1218d)	0	11-Mar-24*		10-Mar-24		0																																																												
ADP4	Portion 4 (sd+1599d)	0	27-Mar-25*		27-Mar-25		0																																																												
Contract Key Dates								1765	07-Apr-21 A	05-Feb-26	08-Jan-24	09-Nov-27	641																																																						
CKD1	KD1 - Completion of Noise Barriers (sd+150d) (8 Apr 21)	0		07-Apr-21 A		09-Nov-27		Completion of Noise Barriers (sd+150d) (8 Apr 21)																																																											
CKD2	KD2 - Erection of Bird Curtain in vicinity of Mainstream Bioreactor, Ancillary facilities & Tertiary Treatment(6 May 21)	0		06-May-21 A		09-Nov-27		Erection of Bird Curtain in vicinity of Mainstream Bioreactor, Ancillary facilities & Tertiary Treatment(6 May 21)																																																											
CKD10	KD10 - Completion of Civil & Structural works of roof floor of sludge thickening bldg(8Jan24)	0		08-Jan-24*		08-Jan-24	0																																																												
CKD3	KD3 - Early Commissioning of Inlet Works100,000m3/d at ADWF,PST>54,000m3/d at ADWF, Civil, struct.,E&M & BS (11Mar 24)	0		11-Mar-24*		11-Mar-24	0																																																												
CKD5	KD5 - Completion of Civil & Structural works of R/F of Inlet works (separate contractor to install PV Panels) (8 Jan 25)	0		08-Jan-25*		08-Jan-25	0																																																												
CKD8	KD8 - Completion of Civil & Structural works of Sludge Dewatering Building (separate contractor E&M, BS & PV) (8 Jul 25)	0		08-Jul-25*		08-Jul-25	0																																																												
CKD9	KD9 - Completion of Civil & Structural works of Administration Building (separate contractor E&M & BS)(6 Nov 25)	0		06-Nov-25*		06-Nov-25	0																																																												
CKD7	KD7 - Completion of Civil & structural works of R/F of Mainstream Bioreactor system and Ancillary facilities (8 Jan 26)	0		08-Jan-26*		08-Jan-26	0																																																												
CKD4	KD4 - Early Commissioning of Sewage & Sludge Treatment Facilities >60,000m3/d at AWDF (5 Feb 26)	0		05-Feb-26*		05-Feb-26	0																																																												
CKD6	KD6 - Completion of Civil & Structural works of R/F of PST (separate contractor to install PV Panels) (5 Feb 26)	0		05-Feb-26*		05-Feb-26	0																																																												
Contract Section Completion								1494	06-Oct-22	08-Nov-26	06-Oct-22	08-Nov-26	0																																																						
CSC1	Section 1- Civil, Structural and Architectural works of CLP Substations No. 1 & 2 (for CLP install.) (sd+696d=06OCT2022)	0		06-Oct-22*		06-Oct-22	0																																																												
CSC2	Section 2 - Landscape Softworks except those Works under other sections (sd+2190d=08NOV2026)	0		08-Nov-26*		08-Nov-26	0																																																												
CSC3	Section 3 - Remainder of the Works, except Landscape Softworks & Establishment Works (sd+2190d=08NOV2026)	0		08-Nov-26*		08-Nov-26	0																																																												
Environmental Constraints								1969	09-Nov-20 A	31-Mar-26	31-Aug-21	09-Nov-27	587																																																						
NMM-2135	PS 1.105A Noise Mitigation Measures 2020-2021	143	09-Nov-20 A	31-Mar-21 A	09-Nov-27	09-Nov-27		PS 1.105A Noise Mitigation Measures 2020-2021																																																											
EBS-2145	Egrets Breeding Season 2021	184	01-Mar-21 A	31-Aug-21	31-Aug-21	31-Aug-21	0	Egrets Breeding Season 2021																																																											
EBS-2155	Egrets Breeding Season 2022	184	01-Mar-22*	31-Aug-22	01-Mar-22	31-Aug-22	0	Egrets Breeding Season 2022																																																											
NMM-2155	PS 1.105A Noise Mitigation Measures 2022-2023	151	01-Nov-22*	31-Mar-23	01-Nov-22	31-Mar-23	0	PS 1.105A Noise Mitigation Measures 2022-2023																																																											
EBS-2165	Egrets Breeding Season 2023	184	01-Mar-23*	31-Aug-23	01-Mar-23	31-Aug-23	0	Egrets Breeding Season 2023																																																											
NMM-2165	PS 1.105A Noise Mitigation Measures 2023-2024	152	01-Nov-23*	31-Mar-24	01-Nov-23	31-Mar-24	0	PS 1.105A Noise Mitigation Measures 2023-2024																																																											
EBS-2175	Egrets Breeding Season 2024	184	01-Mar-24*	31-Aug-24	01-Mar-24	31-Aug-24	0	Egrets Breeding Season 2024																																																											
NMM-2175	PS 1.105A Noise Mitigation Measures 2024-2025	151	01-Nov-24*	31-Mar-25	01-Nov-24	31-Mar-25	0	PS 1.105A Noise Mitigation Measures 2024-2025																																																											
EBS-2185	Egrets Breeding Season 2025	183	02-Mar-25*	31-Aug-25	02-Mar-25	31-Aug-25	0	Egrets Breeding Season 2025																																																											
NMM-2185	PS 1.105A Noise Mitigation Measures 2025-2026	151	01-Nov-25*	31-Mar-26	01-Nov-25	31-Mar-26	0	PS 1.105A Noise Mitigation Measures 2025-2026																																																											
Planned Completion								2041	07-Apr-21 A	08-Nov-26	06-Oct-22	09-Nov-27	365																																																						
Planned Key Dates								1765	07-Apr-21 A	05-Feb-26	08-Jan-24	09-Nov-27	641																																																						
PKD1	KD1 - Completion of Noise Barriers (sd+150d) (8 Apr 21)	0		07-Apr-21 A		09-Nov-27		Completion of Noise Barriers (sd+150d) (8 Apr 21)																																																											
PKD2	KD2 - Erection of Bird Curtain in vicinity of Mainstream Bioreactor, Ancillary facilities & Tertiary Treatment(6 May 21)	0		06-May-21 A		09-Nov-27		Erection of Bird Curtain in vicinity of Mainstream Bioreactor, Ancillary facilities & Tertiary Treatment(6 May 21)																																																											
PKD5	KD5 - Completion of Civil & Structural works of R/F of Inlet works (separate contractor to install PV Panels) (8 Jan 25)	0		19-Sep-23*		08-Jan-25	477																																																												
PKD10	KD10 - Completion of Civil & Structural works of roof floor of sludge thickening bldg(8Jan24)	0		01-Dec-23*		08-Jan-24	38																																																												
PPKD3	KD3 - Early Commissioning of Inlet Works100,000m3/d at ADWF,PST>54,000m3/d at ADWF, Civil, struct.,E&M & BS (11Mar 24)	0		11-Mar-24*		11-Mar-24	0																																																												
PKD7	KD7 - Completion of Civil & structural works of R/F of Mainstream Bioreactor system and Ancillary facilities (8 Jan 26)	0		16-Apr-25*		08-Jan-26	267																																																												
PKD8	KD8 - Completion of Civil & Structural works of Sludge Dewatering Building (separate contractor E&M, BS & PV) (8 Jul 25)	0		08-Jul-25*		08-Jul-25	0																																																												
PKD9	KD9 - Completion of Civil & Structural works of Administration Building (separate contractor E&M & BS)(6 Nov 25)	0		06-Sep-25*		06-Nov-25	61																																																												
PKD6	KD6 - Completion of Civil & Structural works of R/F of PST (separate contractor to install PV Panels) (5 Feb 26)	0		04-Feb-26*		05-Feb-26	1																																																												
PPKD4	KD4 - Early Commissioning of Sewage & Sludge Treatment Facilities >60,000m3/d at AWDF (5 Feb 26)	0		05-Feb-26*		05-Feb-26	0																																																												
Planned Section Completion								1507	23-Sep-22	08-Nov-26	06-Oct-22	08-Nov-26	0																																																						
PSC1	Section 1- Civil, Structural and Architectural works of CLP Substations No. 1 & 2 (for CLP install.) (sd+696d=06OCT2022)	0		23-Sep-22*		06-Oct-22	13																																																												
PSC2	Section 2 - Landscape Softworks except those Works under other sections (sd+2190d=08NOV2026)	0		02-Nov-26*		08-Nov-26	6																																																												
PSC3	Section 3 - Remainder of the Works, except Landscape Softworks & Establishment Works (sd+2190d=08NOV2026)	0		08-Nov-26*		08-Nov-26	0																																																												
Notification of Compensation Events								0	22-Jul-26	22-Jul-26	22-Jul-26	22-Jul-26	0																																																						
NCE5	Impacted KD4 due to NCE No. 005 (11 May 2021)	0		22-Jul-26*		22-Jul-26	0																																																												
Preliminary and Preparation Works								1443	27-Oct-20 A	05-Jun-25	31-Aug-21	09-Nov-27	759																																																						
Subletting								680	27-Oct-20 A	06-Sep-22	31-Aug-21	09-Nov-27	1889																																																						
SUB-110	Prebid - Ground Investigation Works	0		27-Oct-20 A		03-Sep-21		Investigation Works																																																											
SUB-120	Prebid - Demolition of existing building and structure	0		27-Oct-20 A		06-Sep-21		Demolition of existing building and structure																																																											
SUB-130	Prebid - Design, Supply and Installation of Noise Barrier and Bird Curtain	0		27-Oct-20 A		09-Nov-27		Design, Supply and Installation of Noise Barrier and Bird Curtain																																																											
SUB-140	Prebid - Piling works for Inlet works and PST	0		27-Oct-20 A		03-Sep-21		Piling works for Inlet works and PST																																																											
SUB-150	Prebid - E&M works	0		27-Oct-20 A		04-Apr-22		E&M works																																																											
SUB-160	Submit/Approve Sub-letting Procedures	60	09-Nov-20 A	07-Jan-21 A	31-Aug-21	31-Aug-21		Submit/Approve Sub-letting Procedures																																																											
SUB-180	Subletting for MIC works	40	08-Jan-21 A	16-Feb-21 A	23-Sep-21	23-Sep-21		Subletting for MIC works																																																											
SUB-190	Subletting for Landscaping works	30	08-Jan-21 A	06-Feb-21 A	03-Sep-21	03-Sep-21		Subletting for Landscaping works																																																											
SUB-200	Subletting for UU detection	44	08-Jan-21 A	20-Feb-21 A	08-Sep-21	08-Sep-21		Subletting for UU detection																																																											



- █ Remaining Level of Effort
- █ DWP Rev.4
- █ Actual Work
- █ Remaining Work
- █ Critical Remaining Work

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

Project ID :
DWP.DPr5_210831
Layout : DC201910 DWP rev.5
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Detailed Works Programme			
Date	Revision	Checked	Approved
31-Aug-21	Rev. 5		
31-Jul-21	Rev. 4		
30-Jun-21	Rev. 3		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	2022												2023												2024												2025												2026											
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4																				
Administration Building								122	22-Apr-24	21-Aug-24	02-Jul-24	31-Oct-24	71																																																						
TWD-300	Open Cut Design - Prepare & Submission for PM's review	45	22-Apr-24	05-Jun-24	02-Jul-24	15-Aug-24	71																																																												
TWD-310	Open Cut Design - Review by PM's & ICE review (28 d + 7d)	35	06-Jun-24	10-Jul-24	16-Aug-24	19-Sep-24	71																																																												
TWD-320	Open Cut Design - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	11-Jul-24	24-Jul-24	20-Sep-24	03-Oct-24	71																																																												
TWD-590	ELS - Submit to GEO (Dewatering Proposal)	28	25-Jul-24	21-Aug-24	04-Oct-24	31-Oct-24	71																																																												
TWD-330	Open Cut Design - Obtain Approval	7	15-Aug-24	21-Aug-24	25-Oct-24	31-Oct-24	71																																																												
Walkway								122	22-Apr-24	21-Aug-24	20-Apr-25	19-Aug-25	363																																																						
TWD-600	Walkway - Prepare & Submission for PM's review	45	22-Apr-24	05-Jun-24	20-Apr-25	03-Jun-25	363																																																												
TWD-610	Walkway - Review by PM's & ICE review (28 d + 7d)	35	06-Jun-24	10-Jul-24	04-Jun-25	08-Jul-25	363																																																												
TWD-620	Walkway - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	11-Jul-24	24-Jul-24	09-Jul-25	22-Jul-25	363																																																												
TWD-630	ELS - Submit to GEO (Dewatering Proposal)	28	25-Jul-24	21-Aug-24	23-Jul-25	19-Aug-25	363																																																												
TWD-640	Walkway - Obtain Approval	7	15-Aug-24	21-Aug-24	13-Aug-25	19-Aug-25	363																																																												
Contractor's Permanent Works Design (include ATAL)								1562	30-Jan-21 A	10-May-25	31-Aug-21	09-Nov-27	912																																																						
AP								359	30-Jan-21 A	25-Oct-21	31-Aug-21	09-Nov-27	2205																																																						
Package 1A - Mainstream Bio-Reactor System (AGS)								101	30-Jan-21 A	28-May-21 A	30-Nov-21	30-Nov-21																																																							
AIP-420	E&M AIP Report for Mainstream Bio-Reactor System (AGS) - Prepare & Submission for PM's review	45	30-Jan-21 A	15-Mar-21 A	30-Nov-21	30-Nov-21																																																													
AIP-430	E&M AIP Report for Mainstream Bio-Reactor System (AGS) - Review by PM's & ICE review (28 d + 7d)	35	16-Mar-21 A	19-Apr-21 A	30-Nov-21	30-Nov-21																																																													
AIP-440	E&M AIP Report for Mainstream Bio-Reactor System (AGS) - Resubmission for further review	14	20-Apr-21 A	03-May-21 A	30-Nov-21	30-Nov-21																																																													
AIP-450	E&M AIP Report for Mainstream Bio-Reactor System (AGS) - Obtain Approval	7	04-May-21 A	28-May-21 A	30-Nov-21	30-Nov-21																																																													
Package 2A - Tertiary Treatment System (TTS)								80	28-Apr-21 A	16-Jul-21 A	19-Jan-22	19-Jan-22																																																							
AIP-460	E&M AIP Report for Tertiary Treatment System (TTS) - Prepare & Submission for PM's review	45	28-Apr-21 A	11-Jun-21 A	19-Jan-22	19-Jan-22																																																													
AIP-470	E&M AIP Report for Tertiary Treatment System (TTS) - Review by PM's & ICE review (28 d + 7d)	35	19-May-21 A	22-Jun-21 A	19-Jan-22	19-Jan-22																																																													
AIP-480	E&M AIP Report for Tertiary Treatment System (TTS) - Resubmission for further review	14	26-Jun-21 A	09-Jul-21 A	19-Jan-22	19-Jan-22																																																													
AIP-490	E&M AIP Report for Tertiary Treatment System (TTS) - Obtain Approval	7	10-Jul-21 A	16-Jul-21 A	19-Jan-22	19-Jan-22																																																													
Package 3A - Plant Service Water								105	03-Apr-21 A	16-Jul-21 A	03-Jun-22	16-Aug-23																																																							
AIP-500	E&M AIP Report for Plant Service Water - Prepare & Submission for PM's review	45	03-Apr-21 A	17-May-21 A	03-Jun-22	03-Jun-22																																																													
AIP-510	E&M AIP Report for Plant Service Water - Review by PM's & ICE review (28 d + 7d)	35	19-May-21 A	22-Jun-21 A	03-Jun-22	03-Jun-22																																																													
AIP-520	E&M AIP Report for Plant Service Water - Resubmission for further review	14	26-Jun-21 A	09-Jul-21 A	16-Aug-23	16-Aug-23																																																													
AIP-530	E&M AIP Report for Plant Service Water - Obtain Approval	7	10-Jul-21 A	16-Jul-21 A	16-Aug-23	16-Aug-23																																																													
Package 4A - E&M Report for Temp. Diversion Chamber and Pumping Station								67	23-Feb-21 A	28-May-21 A	15-Oct-21	15-Oct-21																																																							
AIP-540	Advance Works - E&M Report for Temporary Diversion Chamber and Pumping Station - Prepare & Submission for PM's review	35	23-Feb-21 A	29-Mar-21 A	15-Oct-21	15-Oct-21																																																													
AIP-550	Advance Works - E&M Report for Temporary Diversion Chamber and Pumping Station - Review by PM's & ICE review (28 d + 7d)	35	06-Mar-21 A	09-Apr-21 A	15-Oct-21	15-Oct-21																																																													
AIP-560	Advance Works - E&M Report for Temporary Diversion Chamber and Pumping Station - Resubmission for further review	14	10-Apr-21 A	23-Apr-21 A	15-Oct-21	15-Oct-21																																																													
AIP-570	Advance Works - E&M Report for Temporary Diversion Chamber and Pumping Station - Obtain Approval	7	24-Apr-21 A	28-May-21 A	15-Oct-21	15-Oct-21																																																													
Package 4B - E&M Report for SCADA Relocation								119	30-Jan-21 A	28-May-21 A	17-Jan-22	17-Jan-22																																																							
AIP-580	E&M AIP Report for Advance Works (SCADA Relocation) - Prepare & Submission for PM's review	63	30-Jan-21 A	02-Apr-21 A	17-Jan-22	17-Jan-22																																																													
AIP-590	E&M AIP Report for Advance Works (SCADA Relocation) - Review by PM's & ICE review (28 d + 7d)	35	03-Apr-21 A	07-May-21 A	17-Jan-22	17-Jan-22																																																													
AIP-600	E&M AIP Report for Advance Works (SCADA Relocation) - Resubmission for further review	14	08-May-21 A	21-May-21 A	17-Jan-22	17-Jan-22																																																													
AIP-610	E&M AIP Report for Advance Works (SCADA Relocation) - Obtain Approval	7	22-May-21 A	28-May-21 A	17-Jan-22	17-Jan-22																																																													
Package 4C - E&M Report for AGS Pilot Plant								89	01-Mar-21 A	28-May-21 A	24-Jun-23	24-Jun-23																																																							
AIP-630	E&M AIP Report for Advance Works (AGS) - Prepare & Submission for PM's review	33	01-Mar-21 A	02-Apr-21 A	24-Jun-23	24-Jun-23																																																													
AIP-640	E&M AIP Report for Advance Works (AGS) - Review by PM's & ICE review (28 d + 7d)	35	03-Apr-21 A	07-May-21 A	24-Jun-23	24-Jun-23																																																													
AIP-650	E&M AIP Report for Advance Works (AGS) - Resubmission for further review	14	08-May-21 A	21-May-21 A	24-Jun-23	24-Jun-23																																																													
AIP-660	E&M AIP Report for Advance Works (AGS) - Obtain Approval	7	22-May-21 A	28-May-21 A	24-Jun-23	24-Jun-23																																																													
Package 5A - Electrical Power Supply System for Advance Works								98	20-Feb-21 A	28-May-21 A	31-Oct-21	31-Oct-21																																																							
AIP-100	Electrical Power Supply System for Advance Works - Prepare & Submission for PM's review	42	20-Feb-21 A	02-Apr-21 A	31-Oct-21	31-Oct-21																																																													
AIP-110	Electrical Power Supply System for Advance Works - Review by PM's & ICE review (28 d + 7d)	35	03-Apr-21 A	07-May-21 A	31-Oct-21	31-Oct-21																																																													
AIP-120	Electrical Power Supply System for Advance Works - Resubmission for further review	14	08-May-21 A	21-May-21 A	31-Oct-21	31-Oct-21																																																													
AIP-130	Electrical Power Supply System for Advance Works - Obtain Approval	7	22-May-21 A	28-May-21 A	31-Oct-21	31-Oct-21																																																													
Package 5B - Electrical Power Supply System for YLEPP								39	20-Apr-21 A	28-May-21 A	08-Dec-23	08-Dec-23																																																							
AIP-140	Electrical Power Supply System for YLEPP - Prepare & Submission for PM's review	11	20-Apr-21 A	30-Apr-21 A	08-Dec-23	08-Dec-23																																																													
AIP-150	Electrical Power Supply System for YLEPP - Review by PM's review	14	01-May-21 A	14-May-21 A	08-Dec-23	08-Dec-23																																																													
AIP-160	Electrical Power Supply System for YLEPP - Resubmission for PM's review	14	08-May-21 A	21-May-21 A	08-Dec-23	08-Dec-23																																																													
AIP-170	Electrical Power Supply System for YLEPP - Obtain Approval	7	22-May-21 A	28-May-21 A	08-Dec-23	08-Dec-23																																																													
Package 6A - Control & Monitoring System								143	01-May-21 A	20-Sep-21	10-Feb-23	02-Mar-23	528																																																						
AIP-180	Control & Monitoring System - Prepare & Submission for PM's review	36	01-May-21 A	05-Jun-21 A	10-Feb-23	10-Feb-23																																																													
AIP-190	Control & Monitoring System - Review by PM's & ICE review (28 d + 7d)	35	06-Jun-21 A	10-Jul-21 A	10-Feb-23	10-Feb-23																																																													
AIP-200	Control & Monitoring System - Resubmission for further review	14	12-Jul-21 A	13-Sep-21	10-Feb-23	23-Feb-23	528																																																												
AIP-620	Control & Monitoring System - Obtain Approval	7	14-Sep-21	20-Sep-21	24-Feb-23	02-Mar-23	528																																																												
Package 7A - Building Services System								60	30-Mar-21 A	28-May-21 A	22-Jan-22	22-Jan-22																																																							
AIP-220	BS System - Prepare & Submission for PM's review	7	30-Mar-21 A	05-Apr-21 A	22-Jan-22	22-Jan-22																																																													
AIP-230	BS System - Review by PM's & ICE review (28 d + 7d)	35	06-Apr-21 A	10-May-21 A	22-Jan-22	22-Jan-22																																																													
AIP-240	BS System - Resubmission for further review	14	08-May-21 A	21-May-21 A	22-Jan-22	22-Jan-22																																																													
AIP-250	BS System - Obtain Approval	7	22-May-21 A	28-May-21 A	22-Jan-22	22-Jan-22																																																													
Package 8A - E&M AIP Report for Sludge Thickening Building & Chemical System								102	01-Mar-21 A	10-Jun-21 A	29-Oct-22	29-Oct-22																																																							
AIP-260	STB - Prepare & Submission for PM's review	46	01-Mar-21 A	15-Apr-21 A	29-Oct-22	29-Oct-22																																																													
AIP-270	STB - Review by PM's & ICE review (28 d + 7d)	35	16-Apr-21 A	20-May-21 A	29-Oct-22	29-Oct-22																																																													
AIP-280	STB - Resubmission for further review	14	21-May-21 A	03-Jun-21 A	29-Oct-22	29-Oct-22																																																													
AIP-290	STB - Obtain Approval	7	04-Jun-21 A	10-Jun-21 A	29-Oct-22	29-Oct-22																																																													
Package 9A - E&M AIP Report for Inlet Work (IW)								102	01-Mar-21 A	10-Jun-21 A	09-Nov-27	09-Nov-27																																																							
AIP-670	IW - Prepare & Submission for PM's review	46	01-Mar-21 A	15-Apr-21 A	09-Nov-27	09-Nov-27																																																													
AIP-680	IW - Review by PM's & ICE review (28 d + 7d)	35	16-Apr-21 A	20-May-21 A	09-Nov-27	09-Nov-27																																																													
AIP-690	IW - Resubmission for further review	14	21-May-21 A	03-Jun-21 A	09-Nov-27	09-Nov-27																																																													
AIP-700	IW - Obtain Approval	7	04-Jun-21 A	10-Jun-21 A	09-Nov-27	09-Nov-27																																																													
Package 10A - E&M AIP Report for Primary Sedimentation Tank (PST)								113	01-Mar-21 A	21-Jun-21 A	09-Nov-27	09-Nov-27																																																							



保華-中國中鐵聯營體
PAUL Y.-CREC JOINT VENTURE

- Remaining Level of Effort
- DWP Rev.4
- Actual Work
- Remaining Work
- Critical Remaining Work

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

Detailed Works Programme

Project ID : DWP.DPr5_210831
Layout : DC201910 DWP rev.5
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Detailed Works Programme			
Date	Revision	Checked	Approved
31-Aug-21	Rev. 5		
31-Jul-21	Rev. 4		
30-Jun-21	Rev. 3		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	Gantt Chart																																																					
								2022	2023	2024	2025	2026	2027	2028																																															
DDA-390	P&ID for MWMMR - MBS (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	26-Apr-23	29-Aug-23	23-Jul-25	25-Nov-25	819	P&ID for MWMMR - MBS (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval(7d)																																																					
DDA-400	Mechanical for MWMMR - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	30-Aug-23	02-Jan-24	26-Nov-25	31-Mar-26	819	Mechanical for MWMMR - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval(7d)																																																					
DDA-410	Electrical & Control for MWMMR - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	30-Aug-23	02-Jan-24	26-Nov-25	31-Mar-26	819	Electrical & Control for MWMMR - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval(7d)																																																					
Package 5B - Plant Service Water (PSW)								252	27-Apr-21 A	03-Jan-22	03-Jun-22	19-Dec-23	715																																																
DDA-1040	Piping & Instrumentation Diagram (P&ID) - Prep(30d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	96	27-Apr-21 A	31-Jul-21 A	16-Aug-23	16-Aug-23	715	Piping & Instrumentation Diagram (P&ID) - Prep(30d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)																																																					
DDA-1050	Civil Requirement Drawings - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	12-Jun-21 A	14-Nov-21	03-Jun-22	17-Aug-22	276	Civil Requirement Drawings - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)																																																					
DDA-1060	Electrical & Control for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	31-Aug-21	03-Jan-22	16-Aug-23	19-Dec-23	715	Electrical & Control for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)																																																					
DDA-1070	Mechanical for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	31-Aug-21	03-Jan-22	16-Aug-23	19-Dec-23	715	Mechanical for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)																																																					
Package 6 - Sludge Thickening Chemical and Dosing System								351	28-Jun-21 A	13-Jun-22	26-Mar-22	21-Feb-23	253																																																
DDA-440B	Civil Req. for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	28-Jun-21 A	30-Nov-21	22-Nov-22	21-Feb-23	448	Civil Req. for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																																																					
DDA-1120	P&ID for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	28-Jun-21 A	30-Nov-21	22-Nov-22	21-Feb-23	448	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	28-Jun-21 A	30-Nov-21	22-Nov-22	21-Feb-23	448	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	28-Jun-21 A	30-Nov-21	22-Nov-22	21-Feb-23	448	Electrical & Control for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																																																					
DDA-1150	Building Services for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	126	28-Jun-21 A	30-Nov-21	22-Nov-22	21-Feb-23	448	Building Services for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																																																					
DDA-420	Arch. for STCS, Waste Gas Burner & Guard Hse - Prepare (60d), Sub. & Review(45d), Com. & Resub.(14d) & Approval (7d)	126	05-Oct-21	07-Feb-22	26-Mar-22	29-Jul-22	172	Arch. for STCS, Waste Gas Burner & Guard Hse - Prepare (60d), Sub. & Review(45d), Com. & Resub.(14d) & 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	14-Mar-22	19-Oct-22	21-Feb-23	344	Civil & Struct. for STCS, WGB & Guard Hse - 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	08-Feb-22	13-Jun-22	30-Jul-22	02-Dec-22	172	Found. for STCS, Waste Gas Burner & Guard Hse - Prepare(60d), Sub.&Review(45d), Comment & Resub.(14d), GEO(28d) & Approval (7d)																																																					
Package 7 - CLP Substation and 11kV Switchgear House								170	01-Jun-21 A	17-Dec-21	14-Oct-21	19-Jun-22	184																																																
DDA-450	Found. for CLP Sub. & 11kV Switchgear Hse - Prepare (30d), Sub.&Review(30d), Comment&Resub.(14d), GEO(28d) & Approval (7d)	82	01-Jun-21 A	20-Sep-21	14-Oct-21	03-Nov-21	44	Found. for CLP Sub. & 11kV Switchgear Hse - Prepare (30d), Sub.&Review(30d), Comment&Resub.(14d), GEO(28d) & 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	20-Sep-21	14-Oct-21	03-Nov-21	44	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	16-Sep-21	14-Oct-21	30-Oct-21	44	Electrical System for all facilities - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)																																																					
DDA-490	BS for CLP Sub. & 11kV Switchgear Hse - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	78	01-Jun-21 A	16-Sep-21	21-Apr-22	07-May-22	233	BS for CLP Sub. & 11kV Switchgear Hse - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)																																																					
DDA-480	UPS System for CLP Sub.&11kV Switchgear Hse - Prepare (102d), Sub. & Review (45d), Comment & Resub.(14d)&Approval (7d)	168	03-Jun-21 A	17-Dec-21	03-Mar-22	19-Jun-22	184	UPS System for CLP Sub.&11kV Switchgear Hse - Prepare (102d), Sub. & Review (45d), Comment & Resub.(14d)&Approval (7d)																																																					
DDA-1160	Earthing & Lighting System Design Report - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	78	02-Jul-21 A	17-Oct-21	14-Oct-21	30-Nov-21	44	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	17-Oct-21	14-Oct-21	30-Nov-21	44	VCAB, FSD & WSD Design Report - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)																																																					
Package 8 - Advance Works and SCADA Relocation								78	04-May-21 A	16-Nov-21	31-Oct-21	16-Jan-22	61																																																
DDA-520	BS for Advance Works - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	78	04-May-21 A	16-Nov-21	31-Oct-21	16-Jan-22	61	BS for Advance Works - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																																																					
DDA-500	Mechanical for Advance Works - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	78	22-May-21 A	08-Oct-21	09-Dec-21	16-Jan-22	100	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	08-Oct-21	09-Dec-21	16-Jan-22	100	Electrical & Control 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	15-Oct-21	02-Dec-21	16-Jan-22	93	E&M for Advance Works - SCADA Relocation - Prepare (60d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																																																					
Package 9 - Inlet Work (IW)								203	10-Jun-21 A	29-Dec-21	29-Jan-22	03-Mar-23	429																																																
DDA-1170	Civil Req. Drawing for Inlet Work - Prepare (30d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)	82	10-Jun-21 A	29-Sep-21	29-Jan-22	27-Feb-22	151	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-Jun-21 A	29-Sep-21	29-Jan-22	27-Feb-22	151	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	16-Nov-21	25-Sep-22	11-Dec-22	390	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	31-Aug-21	16-Nov-21	25-Sep-22	11-Dec-22	390	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	15-Oct-21	29-Dec-21	18-Dec-22	03-Mar-23	429	Building Services for Inlet Work - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)																																																					
Package 10 - Primary Sedimentation Tank (PST)								200	01-Jun-21 A	17-Dec-21	27-Feb-23	15-Jun-23	545																																																
DDA-1220	Civil Req. Drawing for PST - Prepare (46d), Sub. & Review(30d), Comment & Resub.(14d) & Approval (7d)	98	01-Jun-21 A	06-Oct-21	27-Feb-23	04-Apr-23	545	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-Oct-21	27-Feb-23	04-Apr-23	545	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-Oct-21	27-Feb-23	04-Apr-23	545	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)	78	31-Aug-21	16-Nov-21	27-Feb-23	15-May-23	545	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	17-Dec-21	30-Mar-23	15-Jun-23	545	Building Services for PST - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)																																																					
Package 11 - Control and Monitoring System								352	31-Aug-21	17-Aug-22	21-Aug-23	07-Dec-23	477																																																
DDA-550	Supervisory Control&Data Application (SCADA) System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	78	31-Aug-21	16-Nov-21	21-Aug-23	06-Nov-23	720	Supervisory Control&Data Application (SCADA) System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)																																																					
DDA-580	Power Quality & Energy Management System (PQEMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	78	01-Oct-21	17-Dec-21	21-Sep-23	07-Dec-23	720	Power Quality & Energy Management System (PQEMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)																																																					
DDA-560	Computerised Maintenance Management System (CMMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	78	01-Jun-22*	17-Aug-22	21-Sep-23	07-Dec-23	477	Computerised Maintenance Management System (CMMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)																																																					
DDA-570	Information and Document management System (IDMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	78	01-Jun-22	17-Aug-22	21-Sep-23	07-Dec-23	477	Information and Document management System (IDMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)																																																					
DDA-1270	Gas Detection System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	78	01-Jun-22	17-Aug-22	21-Sep-23	07-Dec-23	477	Gas Detection System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)																																																					
DDA-1280	Data Collection, Management, Analysis, & Model System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	78	01-Jun-22	17-Aug-22	21-Sep-23	07-Dec-23	477	Data Collection, Management, Analysis, & Model System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)																																																					
Package 12 - Chemical System for STB								126	07-Jun-22	10-Oct-22	29-Oct-22	03-Mar-23	144																																																
DDA-650	Chemical System for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	07-Jun-22	10-Oct-22	29-Oct-22	03-Mar-23	144	Chemical System for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)																																																					
Package 13 - Pipework System								375	18-Sep-21	27-Sep-22	21-May-22	16-May-24	597																																																
DDA-670	Pipeworks System for Primary Sedimentation Tanks (PST) - Prep(57d), Sub.&Review(45d), Comment&Resub(14d) & Approval (7d)	123	18-Sep-21	18-Jan-22	21-May-22	20-Sep-22	245	Pipeworks System for Primary Sedimentation Tanks (PST) - Prep(57d), Sub.&Review(45d), Comment&Resub(14d) & Approval (7d)																																																					
DDA-680	Pipeworks System for Biogas Holder (BH) - Prep(57d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	123	18-Sep-21	18-Jan-22	21-May-22	20-Sep-22	245	Pipeworks System for Biogas Holder (BH) - Prep(57d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)																																																					
DDA-690	Pipeworks System for Sludge Dewatering Building (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	19-Jan-22	24-May-22	08-Nov-22	13-Mar-23	293	Pipeworks System for Sludge Dewatering Building (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)																																																					
DDA-700	Pipeworks System for Utility Corridor&Pipe Portal (UC/PP) - Prep(103d), Sub.&Review(45d), Comment&Resub(14d)&Approval(7d)	126	19-Jan-22	24-May-22	08-Nov-22	13-Mar-23	293	Pipeworks System for Utility Corridor&Pipe Portal (UC/PP) - Prep(103d), Sub.&Review(45d), Comment&Resub(14d)&Approval(7d)																																																					
DDA-1030	Pipeworks System for Sludge Digesters - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	19-Jan-22	24-May-22	08-Sep-23	11-Jan-24	597	Pipeworks System for Sludge Digesters - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)																																																					
DDA-660	Pipeworks System for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	25-May-22	27-Sep-22	12-Jan-24	16-May-24	597	Pipeworks System for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)																																																					
Package 14 - Sludge Anaerobic Digestion System (SDT)								456	02-Jul-21 A	30-Sep-22	17-Dec-21	25-Sep-24	726																																																
DDA-1320	Electrical & Control for SDT & UC/PP - Prepare (55d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	121	02-Jul-21 A	29-Nov-21	26-Feb-24	26-May-24	909	Electrical & Control for SDT & UC/PP - Prepare (55d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																																																					
DDA-1290	Civil Req. Drawing for SDT - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	113	10-Jul-21 A	29-Nov-21	17-Dec-21	17-Mar-22	108	Civil Req. Drawing for SDT - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																																																					
DDA-1300	PID for SDT - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	113	10-Jul-21 A	29-Nov-21	30-Oct-23	28-Jan-24	790	PID for SDT - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																																																					
DDA-1310	Mechanical for SDT & UC/PP - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	113	10-Jul-21 A	29-Nov-21	30-Oct-23	28-Jan-24	790	Mechanical for SDT & UC/PP - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																																																					
DDA-1340	Civil Req. Drawing for UC/PP - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	113	10-Jul-21 A	29-Nov-21	27-Aug-23	25-Nov-23	726	Civil Req. Drawing for UC/PP - Prepare (47d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																																																					
DDA-1330	Building Services for SDT & UC/PP - Prepare (56d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	122	01-Jun-22	30-Sep-22	27-May-24	25-Sep-24	726	Building Services for SDT & UC/PP - Prepare (56d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)																																																					
Package 15 - Biogas H2S Removal, Storage and Delivery System								248	13-Jul-21 A	17-Mar-22	17-Dec-21	20-Sep-22	187																																																
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	22-Oct-21	11-Jan-22	04-Mar-22	134	PID for Biogas H2S Removal, Storage and Delivery System - Prepare(28d), Sub.&Review(28d), Comment&Resub(14d)&Approval(7d)																																																					
DDA-1350	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d), Sub.&Review(28d), Comment&Resub(14d)&Approval(7d)	78	31-Aug-21	16-Nov-21	17-Dec-21	04-Mar-22	108	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d), Sub.&Review(28d), Comment&Resub(14d)&Approval(7d)																																																					

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	Gantt Chart																																																					
								2022	2023	2024	2025	2026	2027	2028																																															
TS-1080	System Architecture for Existing YLSTW Temporary SCADA System - Prep(144d), Sub&Rev(45d), Comment&Resub(14d), Approval(7d)	210	30-Nov-21	27-Jun-22	12-May-23	07-Dec-23	528	[Gantt bar: 30-Nov-21 to 07-Dec-23]																																																					
TS-1090	Layout and Wiring Diagram for Existing YLSTW Temp PLC Panel - Prep(144d), Sub&Rev(45d), Comment&Resub(14d), Approval(7d)	210	30-Nov-21	27-Jun-22	12-May-23	07-Dec-23	528	[Gantt bar: 30-Nov-21 to 07-Dec-23]																																																					
TS-1100	System Architecture for YLEPP SCADA System - Prep(144d), Sub.&Review(45d), Comment&Resub(14d)&Approval(7d)	210	30-Nov-21	27-Jun-22	12-May-23	07-Dec-23	528	[Gantt bar: 30-Nov-21 to 07-Dec-23]																																																					
Utility Corridor and Pipe Portal								210	30-Nov-21	27-Jun-22	12-May-23	07-Dec-23	528	[Gantt bar: 30-Nov-21 to 07-Dec-23]																																															
TS-1110	General Arrangement Drawing - Prep(144d), Sub.&Review(45d), Comment&resub(14d) & Approval(7d)	210	30-Nov-21	27-Jun-22	12-Oct-23	08-May-24	681	[Gantt bar: 30-Nov-21 to 08-May-24]																																																					
TS-1120	Civil Requirement Drawings (Superstructure) - Prep(144d), Sub.&Review(45d), Comment&resub(14d) & Approval(7d)	210	30-Nov-21	27-Jun-22	12-Oct-23	08-May-24	681	[Gantt bar: 30-Nov-21 to 08-May-24]																																																					
TS-1140	Equipment Loading Summary - Prep(144d), Sub.&Review(45d), Comment&resub(14d) & Approval(7d)	210	30-Nov-21	27-Jun-22	12-Oct-23	08-May-24	681	[Gantt bar: 30-Nov-21 to 08-May-24]																																																					
Hazardous Area Classification and Fire Risk Assessment								146	31-Aug-21	23-Jan-22	28-Apr-22	20-Sep-22	240	[Gantt bar: 31-Aug-21 to 20-Sep-22]																																															
TS-1800	Hazardous Area Classification and Fire Risk Assessment Specialist - Submission & Approval	20	31-Aug-21	19-Sep-21	28-Apr-22	17-May-22	240	[Gantt bar: 31-Aug-21 to 17-May-22]																																																					
TS-1810	Hazardous Area Classification Assessment - Prep(60), Sub.&Review(45d), Comment&resub(14d) & Approval(7d)	126	20-Sep-21	23-Jan-22	18-May-22	20-Sep-22	240	[Gantt bar: 20-Sep-21 to 20-Sep-22]																																																					
TS-1820	Fire Risk Assessment - Prep(60), Sub.&Review(45d), Comment&resub(14d) & Approval(7d)	126	20-Sep-21	23-Jan-22	18-May-22	20-Sep-22	240	[Gantt bar: 20-Sep-21 to 20-Sep-22]																																																					
Material Submission, Procurement, Manufacturing and Delivery								300	09-Nov-20 A	04-Oct-21	31-Aug-21	22-Feb-24	871	[Gantt bar: 09-Nov-20 A to 22-Feb-24]																																															
PRE-240	Submit/Procure/Manufacture/Deliver TTS & Auxiliary Facility Equip.	270	09-Nov-20 A	04-Sep-21	15-Dec-23	19-Dec-23	836	[Gantt bar: 09-Nov-20 A to 19-Dec-23]																																																					
PRE-230	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip.	270	09-Nov-20 A	04-Sep-21	23-Oct-23	27-Oct-23	783	[Gantt bar: 09-Nov-20 A to 27-Oct-23]																																																					
PRE-210	Submit/Procure/Manufacture/Deliver New Inlet Works Equip.	180	09-Nov-20 A	07-May-21 A	12-Dec-22	12-Dec-22		[Gantt bar: 07-May-21 A to 12-Dec-22]																																																					
PRE-220	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip.	180	09-Nov-20 A	07-May-21 A	26-Sep-22	26-Sep-22		[Gantt bar: 07-May-21 A to 26-Sep-22]																																																					
PRE-250	Submit/Procure/Manufacture/Deliver Thickening System/Digestion/sludge holding Tanks	300	09-Nov-20 A	04-Oct-21	19-Jan-24	22-Feb-24	871	[Gantt bar: 04-Oct-21 to 22-Feb-24]																																																					
PRE-260	Submit/Procure/Manufacture/Deliver Diversion Works	44	09-Nov-20 A	22-Dec-20 A	31-Aug-21	31-Aug-21		[Gantt bar: 22-Dec-20 A to 31-Aug-21]																																																					
Site Establishment Works								1432	09-Nov-20 A	05-Jun-25	03-Sep-21	08-Nov-27	759	[Gantt bar: 09-Nov-20 A to 08-Nov-27]																																															
PG-100	Prepare/Submit Supplementary Contamination Assessment Plan (CAP)	12	21-Dec-20 A	06-Jan-21 A	03-Sep-21	03-Sep-21		[Gantt bar: 21-Dec-20 A to 03-Sep-21]																																																					
PG-120	Procurement Asbestos Specialist	30	21-Dec-20 A	19-Jan-21 A	08-Nov-21	08-Nov-21		[Gantt bar: 21-Dec-20 A to 08-Nov-21]																																																					
PG-110	Approved Supplementary CAP	30	07-Jan-21 A	05-Feb-21 A	03-Sep-21	03-Sep-21		[Gantt bar: 07-Jan-21 A to 03-Sep-21]																																																					
PG-130	Submit/Approve Methos Statement for Asbestos Treatment and Removal	30	20-Jan-21 A	18-Feb-21 A	08-Nov-21	08-Nov-21		[Gantt bar: 20-Jan-21 A to 08-Nov-21]																																																					
Portion 1 - IW Stage 1, PST, MBR, AF, TTS, STCS, Utilities Corridor, Pipe Portal								147	09-Nov-20 A	14-May-21 A	03-Sep-21	08-Nov-21		[Gantt bar: 09-Nov-20 A to 08-Nov-21]																																															
P1-100	Portion 1 - Initial Survey and Record, Underground Utilities Detection	60	09-Nov-20 A	20-Jan-21 A	03-Sep-21	03-Sep-21		[Gantt bar: 09-Nov-20 A to 03-Sep-21]																																																					
P1-120	Portion 1 - Land Contamination Site Investigation	13	06-Feb-21 A	27-Feb-21 A	03-Sep-21	03-Sep-21		[Gantt bar: 06-Feb-21 A to 03-Sep-21]																																																					
P1-110	Portion 1 - Installation of Water Barriers, Clearance, Hbal Road and Temp Facilities	48	08-Feb-21 A	15-Apr-21 A	03-Sep-21	03-Sep-21		[Gantt bar: 08-Feb-21 A to 03-Sep-21]																																																					
P1-200	Portion 1 - Asbestos Survey	18	19-Feb-21 A	11-Mar-21 A	08-Nov-21	08-Nov-21		[Gantt bar: 19-Feb-21 A to 08-Nov-21]																																																					
P1-130	Portion 1 - Submit/Approve CAR and RAP	18	01-Mar-21 A	20-Mar-21 A	03-Sep-21	03-Sep-21		[Gantt bar: 01-Mar-21 A to 03-Sep-21]																																																					
P1-210	Portion 1 - Asbestos Removal	48	12-Mar-21 A	12-May-21 A	08-Nov-21	08-Nov-21		[Gantt bar: 12-Mar-21 A to 08-Nov-21]																																																					
P1-140	Portion 1 - Carry out RAP	24	22-Mar-21 A	22-Apr-21 A	03-Sep-21	03-Sep-21		[Gantt bar: 22-Mar-21 A to 03-Sep-21]																																																					
P1-150	Portion 1 - Submit Remediation Report	18	23-Apr-21 A	14-May-21 A	03-Sep-21	03-Sep-21		[Gantt bar: 23-Apr-21 A to 03-Sep-21]																																																					
Portion 2 - IW Stage 2								92	08-Jun-21 A	04-Sep-21	08-Nov-21	08-Nov-27	1830	[Gantt bar: 08-Jun-21 A to 08-Nov-27]																																															
P2-100	Portion 2 - Initial Survey and Record, Underground Utilities Detection	12	08-Jun-21 A	22-Jun-21 A	08-Nov-21	08-Nov-21		[Gantt bar: 08-Jun-21 A to 08-Nov-21]																																																					
P2-110	Portion 2 - Installation of Water Barriers, Clearance, Haul Road and Temp Facilities	12	08-Jun-21 A	22-Jun-21 A	08-Nov-21	08-Nov-21		[Gantt bar: 08-Jun-21 A to 08-Nov-21]																																																					
P2-120	Portion 2 - Land Contamination Site Investigation	18	14-Jul-21 A	04-Sep-21	11-Nov-21	12-Nov-21	56	[Gantt bar: 14-Jul-21 A to 12-Nov-21]																																																					
P2-140	Portion 2 - Carry out RAP	24	19-Jul-21 A	26-Aug-21 A	08-Nov-27	08-Nov-27		[Gantt bar: 19-Jul-21 A to 08-Nov-27]																																																					
P2-150	Submit Remediation Report	7	27-Aug-21 A	27-Aug-21 A	08-Nov-27	08-Nov-27		[Gantt bar: 27-Aug-21 A to 08-Nov-27]																																																					
Portion 3 - PST, SDB, Admin. Bldg								69	02-Feb-24	04-May-24	17-Feb-24	13-May-24	7	[Gantt bar: 02-Feb-24 to 13-May-24]																																															
P3-100	Portion 3 - Initial Survey and Record, Underground Utilities Detection	12	02-Feb-24	22-Feb-24	17-Feb-24	01-Mar-24	7	[Gantt bar: 02-Feb-24 to 01-Mar-24]																																																					
P3-110	Portion 3 - Installation of Water Barriers, Clearance, Haul Road and Temp Facilities	17	02-Feb-24	28-Feb-24	17-Feb-24	07-Mar-24	7	[Gantt bar: 02-Feb-24 to 07-Mar-24]																																																					
P3-120	Portion 3 - Land Contamination Site Investigation	10	29-Feb-24	11-Mar-24	08-Mar-24	19-Mar-24	7	[Gantt bar: 29-Feb-24 to 19-Mar-24]																																																					
P3-140	Portion 3 - Carry out RAP	24	12-Mar-24	12-Apr-24	20-Mar-24	20-Apr-24	7	[Gantt bar: 12-Mar-24 to 20-Apr-24]																																																					
P3-150	Portion 3 - Submit Remediation Report	18	13-Apr-24	04-May-24	22-Apr-24	13-May-24	7	[Gantt bar: 13-Apr-24 to 13-May-24]																																																					
Portion 4 - EVA								54	27-Mar-25	05-Jun-25	16-Apr-26	20-Jun-26	307	[Gantt bar: 27-Mar-25 to 20-Jun-26]																																															
P4-100	Portion 4 - Initial Survey and Record, Underground Utilities Detection	12	27-Mar-25	10-Apr-25	06-Jun-26	20-Jun-26	349	[Gantt bar: 27-Mar-25 to 20-Jun-26]																																																					
P4-110	Portion 4 - Installation of Water Barriers, Clearance, Haul Road and Temp Facilities	12	27-Mar-25	10-Apr-25	06-Jun-26	20-Jun-26	349	[Gantt bar: 27-Mar-25 to 20-Jun-26]																																																					
P4-120	Portion 4 - Land Contamination Site Investigation	12	27-Mar-25	10-Apr-25	16-Apr-26	29-Apr-26	307	[Gantt bar: 27-Mar-25 to 29-Apr-26]																																																					
P4-140	Portion 4 - Carry out RAP	24	11-Apr-25	14-May-25	30-Apr-26	29-May-26	307	[Gantt bar: 11-Apr-25 to 29-May-26]																																																					
P4-150	Portion 4 - Submit Remediation Report	18	15-May-25	05-Jun-25	30-May-26	20-Jun-26	307	[Gantt bar: 15-May-25 to 20-Jun-26]																																																					
Portion 5 - Walkway								12	12-Jun-23	26-Jun-23	06-Aug-25	19-Aug-25	633	[Gantt bar: 12-Jun-23 to 19-Aug-25]																																															
P5-100	Portion 5 - Initial Survey and Record, Underground Utilities Detection	12	12-Jun-23	26-Jun-23	06-Aug-25	19-Aug-25	633	[Gantt bar: 12-Jun-23 to 19-Aug-25]																																																					
P5-110	Portion 5 - Installation of Water Barriers, Clearance, Haul Road and Temp Facilities	12	12-Jun-23	26-Jun-23	06-Aug-25	19-Aug-25	633	[Gantt bar: 12-Jun-23 to 19-Aug-25]																																																					
Temporary Transformer 1600A								84	01-Sep-21	10-Dec-21	06-Sep-21	15-Dec-21	4	[Gantt bar: 01-Sep-21 to 15-Dec-21]																																															
P5-120	Construct temporary transformer structure	20	01-Sep-21*	24-Sep-21	06-Sep-21	29-Sep-21	4	[Gantt bar: 01-Sep-21* to 29-Sep-21]																																																					
P5-130	ABWF & E&M works	24	25-Sep-21	25-Oct-21	30-Sep-21	29-Oct-21	4	[Gantt bar: 25-Sep-21 to 29-Oct-21]																																																					
P5-140	CLP Inspection	11	26-Oct-21	06-Nov-21	30-Oct-21	11-Nov-21	4	[Gantt bar: 26-Oct-21 to 11-Nov-21]																																																					
P5-150	Energization of temporary transformer	0		06-Nov-21		11-Nov-21	4	[Gantt bar: 06-Nov-21 to 11-Nov-21]																																																					
P5-160	LV switchboard metering	29	08-Nov-21	10-Dec-21*	12-Nov-21	15-Dec-21	4	[Gantt bar: 08-Nov-21 to 15-Dec-21]																																																					
PM and Contractor Accomodation								293	18-Feb-21 A	17-Feb-22	04-Jun-27	08-Nov-27	1700	[Gantt bar: 18-Feb-21 A to 08-Nov-27]																																															
Project Manager's & Contractor Site Accommodation								231	18-Feb-21 A	26-Nov-21	04-Jun-27	08-Nov-27	1762	[Gantt bar: 18-Feb-21 A to 08-Nov-27]																																															
PMCA-110	Design and Procurement of MIC	45	18-Feb-21 A	15-Apr-21 A	04-Jun-27	04-Jun-27		[Gantt bar: 18-Feb-21 A to 04-Jun-27]																																																					
PMCA-140	Submission and approved MS & PMAC	18	16-Apr-21 A	07-May-21 A	04-Jun-27	04-Jun-27		[Gantt bar: 16-Apr-21 A to 04-Jun-27]																																																					
MIC Section								73	31-Aug-21	26-Nov-21	16-Aug-27	08-Nov-27	1762	[Gantt bar: 31-Aug-21 to 08-Nov-27]																																															
PMCA-150	Construction of Pad Footing	6	31-Aug-21*	06-Sep-21	16-Aug-27	21-Aug-27	1762	[Gantt bar: 31-Aug-21* to 21-Aug-27]																																																					
PMCA-160	Construction of Sewage pipeworks and Septic Tank	17	07-Sep-21	27-Sep-21	23-Aug-27	10-Sep-27	1762	[Gantt bar: 07-Sep-21 to 10-Sep-27]																																																					
PMCA-170	Construction of G/F Structure Works	16	28-Sep-21	18-Oct-21	11-Sep-27	29-Sep-27	1762	[Gantt bar: 28-Sep-21 to 29-Sep-27]																																																					
PMCA-180	Construction of 1/F Structure Works	18	19-Oct-21	08-Nov-21	30-Sep-27	20-Oct-27	1762	[Gantt bar: 19-Oct-21 to 20-Oct-27]																																																					
PMCA-190	Installation of Green Roof	16	09-Nov-21	26-Nov-21	21-Oct-27	08-Nov-27	1762	[Gantt bar: 09-Nov-21 to 08-Nov-27]																																																					
PMCA-210	Installation of E&M and ABWF Works	12	09-Nov-21	22-Nov-21	26-Oct-27	08-Nov-27	1766	[Gantt bar: 09-Nov-21 to 08-Nov-27]																																																					
PMCA-220	Installation of Energy Efficient Features	12	09-Nov-21	22-Nov-21	26-Oct-27	08-Nov-27	1766	[Gantt bar: 09-Nov-21 to 08-Nov-27]																																																					
PMCA-200	Construction of Covered Car Park	13	09-Nov-21	23-Nov-21	25-Oct-27	08-Nov-27	1765	[Gantt bar: 09-Nov-21 to 08-Nov-27]																																																					
PMCA-230	Construction of Rain and Surface Water Drainage Works	10	12-Nov-21	23-Nov-21	28-Oct-27	08-Nov-27	1765	[Gantt bar: 12-Nov-21 to 08-Nov-27]																																																					
Caving System								135	31-Aug-21	17-Feb-22	04-Jun-27	08-Nov-27	1700	[Gantt bar: 31-Aug-21 to 08-Nov-27]																																															



- █ Remaining Level of Effort
- █ DWP Rev.4
- █ Actual Work
- █ Remaining Work
- █ Critical Remaining Work

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

Detailed Works Programme

Project ID : DWP.DPr5_210831
 Layout : DC201910 DWP rev.5
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Detailed Works Programme			
Date	Revision	Checked	Approved
31-Aug-21	Rev. 5		
31-Jul-21	Rev. 4		
30-Jun-21	Rev. 3		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	Gantt Chart (2022-2026)																																															
								2022	2023	2024	2025	2026																																											
PMCA-240	Caving System Construction	75	31-Aug-21*	29-Nov-21	04-Jun-27	30-Aug-27	1700	Caving System Construction																																															
PMCA-250	Caving System Installation	60	30-Nov-21	17-Feb-22	31-Aug-27	08-Nov-27	1700	Caving System Installation																																															
Environmental Mitigation Measures for KD1 & 2																																																							
Noise Barrier																																																							
NB Northern Side																																																							
NBN-00	NB North - Concrete Block Laying (474 nos.)	12	09-Nov-20 A	08-Apr-21 A	09-Nov-27	09-Nov-27		Concrete Block Laying (474 nos.)																																															
NBN-10	NB North - Steel Member Installation (1,150m)	30	09-Nov-20 A	08-Apr-21 A	09-Nov-27	09-Nov-27		Steel Member Installation (1,150m)																																															
NBN-20	NB North - Rails Installation (Horizontal and Vertical)	30	09-Nov-20 A	08-Apr-21 A	09-Nov-27	09-Nov-27		Rails Installation (Horizontal and Vertical)																																															
NBN-30	NB North - Noise Panel Installation (7077 nos.)	33	09-Nov-20 A	08-Apr-21 A	09-Nov-27	09-Nov-27		Noise Panel Installation (7077 nos.)																																															
NB Eastern Side																																																							
NBE-00	NB East - Concrete Block Laying (681 nos.)	12	30-Dec-20 A	08-Apr-21 A	09-Nov-27	09-Nov-27		Concrete Block Laying (681 nos.)																																															
NBE-10	NB East - Steel Member Installation (1,650m)	30	30-Dec-20 A	08-Apr-21 A	09-Nov-27	09-Nov-27		Steel Member Installation (1,650m)																																															
NBE-20	NB East - Rails Installation (Horizontal and Vertical)	30	30-Dec-20 A	08-Apr-21 A	09-Nov-27	09-Nov-27		Rails Installation (Horizontal and Vertical)																																															
NBE-30	NB East - Noise Panel Installation (1,057 nos.)	33	30-Dec-20 A	08-Apr-21 A	09-Nov-27	09-Nov-27		Noise Panel Installation (1,057 nos.)																																															
NB Western Side																																																							
NBW-00B	NB West - Concrete Block Laying (225 nos.)	12	08-Feb-21 A	08-Apr-21 A	09-Nov-27	09-Nov-27		Concrete Block Laying (225 nos.)																																															
NBW-10	NB West - Steel Member Installation (127m)	20	08-Feb-21 A	08-Apr-21 A	09-Nov-27	09-Nov-27		Steel Member Installation (127m)																																															
NBW-20	NB West - Rails Installation (Horizontal and Vertical)	20	08-Feb-21 A	08-Apr-21 A	09-Nov-27	09-Nov-27		Rails Installation (Horizontal and Vertical)																																															
NBW-30	NB North - Noise Panel Installation (385 nos.)	10	08-Feb-21 A	08-Apr-21 A	09-Nov-27	09-Nov-27		Noise Panel Installation (385 nos.)																																															
Bird Curtain																																																							
BC-10	BC - Concrete Block Laying	24	30-Dec-20 A	18-Feb-21 A	09-Nov-27	09-Nov-27		Concrete Block Laying																																															
BC-20	BC - Installation of Post	32	18-Mar-21 A	29-Apr-21 A	09-Nov-27	09-Nov-27		Installation of Post																																															
BC-30	BC - Installation of Bird Curtain	19	26-Apr-21 A	06-May-21 A	09-Nov-27	09-Nov-27		Installation of Bird Curtain																																															
General Advance Works																																																							
NSWSPS Sensors																																																							
ATALGA-1130	CMS - NSWSPS Sensor	51	01-Jun-21 A	28-Dec-21	08-Nov-23	11-Mar-24	642	CMS - NSWSPS Sensor																																															
ATALGA-1160	CGS - Method Statement for Installation	101	03-Aug-21 A	30-Nov-21	08-Nov-23	07-Feb-24	642	CGS - Method Statement for Installation																																															
ATALGA-1170	Procurement & Delivery of Sensor	101	03-Aug-21 A	30-Nov-21	08-Nov-23	07-Feb-24	642	Procurement & Delivery of Sensor																																															
ATALGA-1260	Installation of pressure sensors at NSWSPS	22	01-Dec-21	28-Dec-21	08-Feb-24	11-Mar-24	642	Installation of pressure sensors at NSWSPS																																															
Air Blower House																																																							
ATALGA-1280	CMS - Air Blower System	127	01-Jun-22	03-Aug-23	04-Jan-23	11-Mar-24	178	CMS - Air Blower System																																															
ATALGA-1290	CGS - Method Statement for Installation	49	02-Nov-22	31-Dec-22	06-Sep-23	04-Nov-23	247	CGS - Method Statement for Installation																																															
ATALGA-1300	Procurement & Delivery of Materials	121	02-Nov-22	03-Apr-23	15-Jun-23	08-Nov-23	178	Procurement & Delivery of Materials																																															
ATALGA-1020	Civil Structural modification of air blower house	90	13-Jan-23*	11-May-23	17-Nov-23	11-Mar-24	247	Civil Structural modification of air blower house																																															
ATALGA-1310	E&M installation	97	03-Apr-23	03-Aug-23	09-Nov-23	11-Mar-24	178	E&M installation																																															
Disc Filter (DF) Pilot Plant																																																							
ATALGA-1080	CGS - Method Statement for Relocation	63	15-Jul-21 A	03-Aug-21 A	31-Aug-22	31-Aug-22		CGS - Method Statement for Relocation																																															
ATALGA-1090	Procurement & Delivery of Materials	97	04-Aug-21 A	26-Nov-21	17-Dec-22	23-Mar-23	383	Procurement & Delivery of Materials																																															
ATALGA-1000	Civil Structural Construction of DF Pilot Plant from STSTW c/w of relevant underground pipeworks	211	27-Nov-21*	19-Aug-22	23-Mar-23	07-Dec-23	383	Civil Structural Construction of DF Pilot Plant from STSTW c/w of relevant underground pipeworks																																															
ATALGA-1140	E&M installation of DF Pilot Plant	51	20-Aug-22	21-Oct-22	07-Dec-23	07-Feb-24	383	E&M installation of DF Pilot Plant																																															
ATALGA-1190	T&C	22	21-Oct-22	16-Nov-22	08-Feb-24	11-Mar-24	383	T&C																																															
Dissolved Air Flotation (DAF) Pilot Plant																																																							
ATALGA-1100	CGS - Method Statement for Relocation	47	31-Aug-21	27-Oct-21	31-Aug-22	27-Oct-22	293	CGS - Method Statement for Relocation																																															
ATALGA-1110	Procurement & Delivery of Materials	97	28-Oct-21	28-Feb-22	28-Oct-22	28-Feb-23	293	Procurement & Delivery of Materials																																															
ATALGA-1070	Civil Structural Construction of DAF Pilot Plant from STSTW	97	01-Mar-22*	29-Jun-22	01-Mar-23	29-Jun-23	293	Civil Structural Construction of DAF Pilot Plant from STSTW																																															
ATALGA-1150	E&M installation of DAF Pilot Plant	51	30-Jun-22	29-Aug-22	30-Jun-23	29-Aug-23	293	E&M installation of DAF Pilot Plant																																															
ATALGA-1200	T&C	11	30-Aug-22	12-Sep-22	30-Aug-23	11-Sep-23	293	T&C																																															
ATALGA-1220	Post-commissioning	144	13-Sep-22	11-Mar-23	12-Sep-23	11-Mar-24	293	Post-commissioning																																															
Aerobic Granular Sludge (AGS) Pilot Plant																																																							
ATALGA-1030	AIP - AGS Pilot Plant	20	18-Feb-21 A	12-Mar-21 A	24-Nov-22	24-Nov-22		AGS Pilot Plant																																															
ATALGA-1040	DDA - AGS Pilot Plant	21	13-Mar-21 A	10-Apr-21 A	05-Jun-23	05-Jun-23		AGS Pilot Plant																																															
ATALGA-1050	CMS - AGS Pilot Plant	48	13-Mar-21 A	13-May-21 A	24-Nov-22	24-Nov-22		AGS Pilot Plant																																															
ATALGA-1060	CGS - Method Statement for Installation	47	25-Mar-21 A	25-May-21 A	05-Jun-23	05-Jun-23		CGS - Method Statement for Installation																																															
ATALGA-1120	Procurement & Delivery of Materials	100	28-Apr-21 A	31-Aug-21 A	24-Nov-22	24-Nov-22		Procurement & Delivery of Materials																																															
ATALGA-1010	Civil Structural Construction of AGS Pilot Plant	150	31-Aug-21*	07-Mar-22	24-Nov-22	03-Jun-23	363	Civil Structural Construction of AGS Pilot Plant																																															
ATALGA-1180	E&M installation of AGS Pilot Plant	36	08-Mar-22	22-Apr-22	05-Jun-23	18-Jul-23	363	E&M installation of AGS Pilot Plant																																															
ATALGA-1210	Seeding, process start-up and T&C	52	23-Apr-22	25-Jun-22	19-Jul-23	16-Sep-23	363	Seeding, process start-up and T&C																																															
ATALGA-1270	Post-commissioning	139	27-Jun-22	09-Dec-22	18-Sep-23	11-Mar-24	363	Post-commissioning																																															
Zone 1 Construction																																																							
Demolition and Temporary Modification/Diversion Works																																																							
PST Overhaul Works																																																							
ATALPST-5130	Completion of Overhaul Works (Zone 1)	0	09-Nov-20 A	17-Jul-21 A	04-Apr-22	09-Nov-27		Completion of Overhaul Works (Zone 1)																																															
PST Existing Primary Sedimentation Tanks (PST)																																																							
ATALPST-1000	Method Statement / PMAC Submission and Approval for PST	55	09-Nov-20 A	14-Jan-21 A	04-Apr-22	04-Apr-22		Method Statement / PMAC Submission and Approval for PST																																															
ATALPST-1030	Procurement of Wheels, Carbon Brush, Motor/Gearbox for PST No. 1 to No. 4	60	15-Jan-21 A	01-Apr-21 A	04-Apr-22	04-Apr-22		Procurement of Wheels, Carbon Brush, Motor/Gearbox for PST No. 1 to No. 4																																															
ATALPST-1040	Procurement of Scraper Frame Robs	32	15-Jan-21 A	27-Feb-21 A	04-Apr-22	04-Apr-22		Procurement of Scraper Frame Robs																																															
PST No. 2 & 4																																																							
ATALPST-1020	Isolation and Pre-test for PST 2 & 4	14	15-Jan-21 A	30-Jan-21 A	04-Apr-22	04-Apr-22		Isolation and Pre-test for PST 2 & 4																																															
ATALPST-1070	Construction of Bamboo Scaffolding	7	01-Feb-21 A	08-Feb-21 A	04-Apr-22	04-Apr-22		Construction of Bamboo Scaffolding																																															
ATALPST-1090	Replacement of Screws for the Rotatory Bridge	11	09-Feb-21 A	27-Feb-21 A	04-Apr-22	04-Apr-22		Replacement of Screws for the Rotatory Bridge																																															
ATALPST-1120	Replacement of Scraper Frame Robs	25	01-Mar-21 A	29-Mar-21 A	04-Apr-22	04-Apr-22		Replacement of Scraper Frame Robs																																															
ATALPST-1160	Disassembly of Scraper Drive Unit / Penstock Actuators / Valves	3	30-Mar-21 A	01-Apr-21 A	04-Apr-22	04-Apr-22		Disassembly of Scraper Drive Unit / Penstock Actuators / Valves																																															
ATALPST-1170	Disassembly, Condition Checking of Scraper Drive Units	17	07-Apr-21 A	26-Apr-21 A	04-Apr-22	04-Apr-22		Disassembly, Condition Checking of Scraper Drive Units																																															



- █ Remaining Level of Effort
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- █ Actual Work
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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	Gantt Chart (2022-2026)																																															
								2022	2023	2024	2025	2026																																											
PST-1211	PST Stage 1 - Monitoring Installation and Pumping Test	21	29-Oct-21	22-Nov-21	29-Oct-21	22-Nov-21	0	PST Stage 1 - Monitoring Installation and Pumping Test																																															
MMM-2021	PS 1.105A Noise Mitigation Measures 2021-2022	151	01-Nov-21*	31-Mar-22	01-Nov-21	31-Mar-22	0	PS 1.105A Noise Mitigation Measures 2021-2022																																															
PST-1230	PST - Marine Sediments Treatment and Disposal	70	23-Nov-21	22-Feb-22	17-Jun-22	07-Sep-22	161	PST - Marine Sediments Treatment and Disposal																																															
PST-1220	PST Stage 1 - Excavation (+5.8 to +3.8mPD)	21	23-Nov-21	16-Dec-21	23-Nov-21	16-Dec-21	0	PST Stage 1 - Excavation (+5.8 to +3.8mPD)																																															
PST-3020	PST Stage 1 - Submit to GEO (28d)	28	23-Nov-21	24-Dec-21	24-Jan-22	03-Mar-22	50	PST Stage 1 - Submit to GEO (28d)																																															
PST-1240	PST Stage 1 - Strut Installation S1 (+3.8mPD)	18	17-Dec-21	10-Jan-22	14-Jan-22	10-Feb-22	21	PST Stage 1 - Strut Installation S1 (+3.8mPD)																																															
PST-1250	PST Stage 1 - Excavation (+3.8 to +1.3mPD)	29	17-Dec-21	22-Jan-22	17-Dec-21	22-Jan-22	0	PST Stage 1 - Excavation (+3.8 to +1.3mPD)																																															
PST-1260	PST Stage 1 - Strut Installation S2 (+1.3mPD)	18	24-Jan-22	19-Feb-22	11-Feb-22	03-Mar-22	10	PST Stage 1 - Strut Installation S2 (+1.3mPD)																																															
PST-1270	PST Stage 1 - Excavation (+1.3 to -1.05mPD)	28	24-Jan-22	03-Mar-22	24-Jan-22	03-Mar-22	0	PST Stage 1 - Excavation (+1.3 to -1.05mPD)																																															
EBS-2022	Egrets Breeding Season 2022	184	01-Mar-22*	31-Aug-22	01-Mar-22	31-Aug-22	0	Egrets Breeding Season 2022																																															
PST Stage 1 - Structure (At First 3 Tanks, PST 7-8 Footprint)																																																							
PST-1280	3-Tank Structure from +0.0 mPD to +3.0 mPD	26	04-Mar-22	02-Apr-22	04-Mar-22	02-Apr-22	0	3-Tank Structure from +0.0 mPD to +3.0 mPD																																															
PST-1290	3-Tank Structure from +3.0 mPD to +6.0 mPD	25	04-Apr-22	07-May-22	04-Apr-22	07-May-22	0	3-Tank Structure from +3.0 mPD to +6.0 mPD																																															
PST-1300	3-Tank Structure from +6.0 mPD to +9.0 mPD	25	10-May-22	08-Jun-22	10-May-22	08-Jun-22	0	3-Tank Structure from +6.0 mPD to +9.0 mPD																																															
PST-1310	3-Tank Structure from +9.0 mPD to +11.80 mPD	25	09-Jun-22	08-Jul-22	08-Jun-22	08-Jul-22	0	3-Tank Structure from +9.0 mPD to +11.80 mPD																																															
PST-1320	3-Tank Structure from +11.80 mPD to +15.0 mPD Lift 1 (3.2m)	26	09-Jul-22	08-Aug-22	09-Jul-22	08-Aug-22	0	3-Tank Structure from +11.80 mPD to +15.0 mPD Lift 1 (3.2m)																																															
PST-1330	3-Tank Structure to Roof from +15.0 mPD to +18.30 mPD Lift 2 (3.3m)	26	09-Aug-22	07-Sep-22	09-Aug-22	07-Sep-22	0	3-Tank Structure to Roof from +15.0 mPD to +18.30 mPD Lift 2 (3.3m)																																															
PST-1340	Water Retaining Test for New PST Tank No. 1	7	08-Sep-22	16-Sep-22	08-Sep-22	16-Sep-22	0	Water Retaining Test for New PST Tank No. 1																																															
PST-1350	Water Retaining Test for New PST Tank No. 3	7	08-Sep-22	16-Sep-22	08-Sep-22	16-Sep-22	0	Water Retaining Test for New PST Tank No. 3																																															
PST-1360	Water Retaining Test for New PST Tank No. 2	7	17-Sep-22	24-Sep-22	17-Sep-22	24-Sep-22	0	Water Retaining Test for New PST Tank No. 2																																															
PST Stage 1 - ABWF & BS Works																																																							
PST-1370	PST - BS and ABWF Works at 3 Tanks	300	26-Sep-22	04-Oct-23	16-Jun-23	24-Jun-24	209	PST - BS and ABWF Works at 3 Tanks																																															
PST Stage 1 - E&M Installation Works at New PST 1,2,3																																																							
ATAPST-3000	PST Stage 1 - Bottom Scraper / Scum Collection System	146	26-Sep-22	27-Mar-23	26-Sep-22	27-Mar-23	0	PST Stage 1 - Bottom Scraper / Scum Collection System																																															
ATAPST-3010	PST Stage 1 - Lamella / Sludge & Scum Pump / DOU System	146	26-Sep-22	27-Mar-23	26-Sep-22	27-Mar-23	0	PST Stage 1 - Lamella / Sludge & Scum Pump / DOU System																																															
ATAPST-3020	PST Stage 1 - Lifting Appliance	146	26-Sep-22	27-Mar-23	26-Sep-22	27-Mar-23	0	PST Stage 1 - Lifting Appliance																																															
ATAPST-3030	PST Stage 1 - Penstock / Stoplogs	146	26-Sep-22	27-Mar-23	26-Sep-22	27-Mar-23	0	PST Stage 1 - Penstock / Stoplogs																																															
ATAPST-0000	PST Stage 1 - E&M Handover	0	26-Sep-22		26-Sep-22		0	PST Stage 1 - E&M Handover																																															
ATAPST-3040	PST Stage 1 - Instrumentation	36	28-Mar-23	13-May-23	28-Mar-23	13-May-23	0	PST Stage 1 - Instrumentation																																															
ATAPST-3050	PST Stage 1 - Electrical Works (Cabling / LCP, Termination)	80	28-Mar-23	07-Jul-23	28-Mar-23	07-Jul-23	0	PST Stage 1 - Electrical Works (Cabling / LCP, Termination)																																															
ATAPST-3060	PST Stage 1 - BS Installation (ELV, Ventilation, FS, PD)	80	28-Mar-23	07-Jul-23	28-Mar-23	07-Jul-23	0	PST Stage 1 - BS Installation (ELV, Ventilation, FS, PD)																																															
PST Stage 1 - Testing and Commissioning at New PST 1,2,3																																																							
ATAPST-3070	PST Stage 1 - T&C - Equipment SAT (Mechanical Dry Check)	28	08-Jul-23	09-Aug-23	08-Jul-23	09-Aug-23	0	PST Stage 1 - T&C - Equipment SAT (Mechanical Dry Check)																																															
ATAPST-3080	PST Stage 1 - T&C - Equipment SAT (Functional Dry Check) linked to TX House POWER ON	48	26-Jul-23	19-Sep-23	26-Jul-23	19-Sep-23	0	PST Stage 1 - T&C - Equipment SAT (Functional Dry Check) linked to TX House POWER ON																																															
ATAPST-3090	PST Stage 1 - T&C - Equipment SAT (Wet / Load Performance Check)	48	26-Jul-23	19-Sep-23	26-Jul-23	19-Sep-23	0	PST Stage 1 - T&C - Equipment SAT (Wet / Load Performance Check)																																															
ATAPST-3100	PST Stage 1 - FS Inspection and Fire Certificate	42	20-Sep-23	10-Nov-23	20-Sep-23	10-Nov-23	0	PST Stage 1 - FS Inspection and Fire Certificate																																															
ATAPST-3110	PST Stage 1 - T&C - Early Commissioning (54,000 m3/d) (KD3)	68	11-Nov-23	01-Feb-24	11-Nov-23	01-Feb-24	0	PST Stage 1 - T&C - Early Commissioning (54,000 m3/d) (KD3)																																															
PKD3	Early Completion KD3	0		01-Feb-24		15-Feb-24	14	Early Completion KD3																																															
CDK3	KD3	0		11-Mar-24*		11-Mar-24	0	KD3																																															
PST Stage 2 of Works																																																							
PST GI - Propose Pre-drilling for Piling Works																																																							
Pre-drilling @ Existing PST 6 (including Trial Pit Excavation, Level Checking, Core Inspection, SPT)																																																							
PST-2000	PD1 (w/ obstruction, relocated)	14	31-Aug-21	15-Sep-21	06-Jun-22	21-Jun-22	220	PD1 (w/ obstruction, relocated)																																															
Pre-drilling @ Existing PST 5 (including Trial Pit Excavation, Level Checking, Core Inspection, SPT)																																																							
PST-2020	PD5	7	04-Jun-21 A	11-Jun-21 A	23-Apr-22	23-Apr-22	0	PD5																																															
PST-2010	PD3	14	12-Jun-21 A	29-Jun-21 A	23-Apr-22	23-Apr-22	0	PD3																																															
PST Foundation - Stage 2 (At Remaining 2 Tanks, PST 5-6 Footprint)																																																							
PST-2030	PST Stage 2 - Driven H-piles (57 nos. @ ave. 1.5no/d/riq)	36	16-Sep-21	30-Oct-21	23-Apr-22	07-Jun-22	51	PST Stage 2 - Driven H-piles (57 nos. @ ave. 1.5no/d/riq)																																															
PST-2061	PST Stage 2 - Monitoring Installation and Pumping Test	21	21-Oct-21	13-Nov-21	27-May-22	21-Jun-22	172	PST Stage 2 - Monitoring Installation and Pumping Test																																															
MMM-2105	PS 1.105A Noise Mitigation Measures 2021-2022	151	01-Nov-21*	31-Mar-22	01-Nov-21	31-Mar-22	0	PS 1.105A Noise Mitigation Measures 2021-2022																																															
PST-2040	PST Stage 2 - Sheetpiling (1,040 m2 at 90m2/day)	12	12-Nov-21	25-Nov-21	08-Jun-22	21-Jun-22	162	PST Stage 2 - Sheetpiling (1,040 m2 at 90m2/day)																																															
PST-2060	PST Stage 2 - H-pile Testing	18	23-Nov-21	13-Dec-21	27-Jun-22	18-Jul-22	169	PST Stage 2 - H-pile Testing																																															
PST-2050	PST Stage 2 - Excavation (+5.8 to +3.8mPD)	22	01-Dec-21	28-Dec-21	22-Jun-22	18-Jul-22	158	PST Stage 2 - Excavation (+5.8 to +3.8mPD)																																															
PST-3035	PST Stage 2 - Submit to GEO (28d)	28	18-Jan-22	18-Jan-22	06-Aug-22	07-Sep-22	185	PST Stage 2 - Submit to GEO (28d)																																															
PST-2070	PST Stage 2 - Strut Installation S1 (+3.8mPD)	14	11-Jan-22	26-Jan-22	19-Jul-22	03-Aug-22	148	PST Stage 2 - Strut Installation S1 (+3.8mPD)																																															
PST-2080	PST Stage 2 - Excavation (+3.8 to +1.3mPD)	22	11-Jan-22	11-Feb-22	19-Jul-22	12-Aug-22	148	PST Stage 2 - Excavation (+3.8 to +1.3mPD)																																															
PST-2090	PST Stage 2 - Strut Installation S2 (+1.3mPD)	14	12-Feb-22	28-Feb-22	23-Aug-22	07-Sep-22	156	PST Stage 2 - Strut Installation S2 (+1.3mPD)																																															
PST-2100	PST Stage 2 - Excavation (+1.3 to -1.05mPD)	22	12-Feb-22	09-Mar-22	13-Aug-22	07-Sep-22	148	PST Stage 2 - Excavation (+1.3 to -1.05mPD)																																															
EBS-2115	Egrets Breeding Season 2022	184	01-Mar-22*	31-Aug-22	01-Mar-22	31-Aug-22	0	Egrets Breeding Season 2022																																															
PST Stage 2 - Structure (At Remaining 2 Tanks, PST 5-6 Footprint)																																																							
PST-2110	2-Tank Structure from +0.0 mPD to +3.0 mPD	21	08-Sep-22	05-Oct-22	08-Sep-22	05-Oct-22	0	2-Tank Structure from +0.0 mPD to +3.0 mPD																																															
PST-2120	2-Tank Structure from +3.0 mPD to +6.0 mPD	21	06-Oct-22	29-Oct-22	06-Oct-22	29-Oct-22	0	2-Tank Structure from +3.0 mPD to +6.0 mPD																																															
PST-2130	2-Tank Structure from +6.0 mPD to +9.0 mPD	21	31-Oct-22	23-Nov-22	31-Oct-22	23-Nov-22	0	2-Tank Structure from +6.0 mPD to +9.0 mPD																																															
PST-2140	2-Tank Structure from +9.0 mPD to +11.80 mPD	21	24-Nov-22	17-Dec-22	24-Nov-22	17-Dec-22	0	2-Tank Structure from +9.0 mPD to +11.80 mPD																																															
PST-2150	2-Tank Structure from +11.80 mPD to +15.0 mPD Lift 1 (3.2m)	21	19-Dec-22	14-Jan-23	19-Dec-22	14-Jan-23	0	2-Tank Structure from +11.80 mPD to +15.0 mPD Lift 1 (3.2m)																																															
PST-2160	2-Tank Structure from +15.0 mPD to +18.30 mPD Lift 2 (3.3m)	21	16-Jan-23	15-Feb-23	16-Jan-23	15-Feb-23	0	2-Tank Structure from +15.0 mPD to +18.30 mPD Lift 2 (3.3m)																																															
PST-2170	Water Retaining Test for New PST Tank No. 4	13	16-Feb-23	02-Mar-23	16-Feb-23	02-Mar-23	0	Water Retaining Test for New PST Tank No. 4																																															
PST-2180	Water Retaining Test for New PST Tank No. 5	13	03-Mar-23	03-Mar-23	17-Mar-23	03-Mar-23	0	Water Retaining Test for New PST Tank No. 5																																															
CDK6	KD6	0		05-Feb-26*		05-Feb-26	0	KD6																																															
PST Stage 2 - ABWF & BS Works																																																							
PST-2190	PST - BS and ABWF Works at 2 Tanks	180	15-Mar-23	21-Oct-23	16-Jun-23	20-Jan-24	74	PST - BS and ABWF Works at 2 Tanks																																															
PST Stage 2 - E&M Installation Works at New PST 4,5																																																							
ATAPST-5000	PST Stage 2 - Bottom Scraper / Scum Collection System	87	18-Mar-23	06-Jul-23	18-Mar-23	06-Jul-23	0	PST Stage 2 - Bottom Scraper / Scum Collection System																																															
ATAPST-5010	PST Stage 2 - Lamella / Sludge & Scum Pump / DOU System	87	18-Mar-23	06-Jul-23	18-Mar-23	06-Jul-23	0	PST Stage 2 - Lamella / Sludge & Scum Pump / DOU System																																															
ATAPST-5020	PST Stage 2 - Lifting Appliance	87	18-Mar-23	06-Jul-23	18-Mar-23	06-Jul-23	0	PST Stage 2 - Lifting Appliance																																															



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